The Ultimate Education Destination



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NOVEMBER 13-18, 2022 **ROYAL PACIFIC RESORT AT UNIVERSAL**













PURE AL

HANDS-ON LABS



CONVERGE 360

ADTMAG

Join us for full-day, pre-conference hands-on labs Sunday, November 13,

STAY CONNECTED WITH LIVE! 360 ON OUR SOCIAL NETWORKS



LIVE360EVENTS.COM/ **ORLANDO**





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ORLANDO 2022 ROYAL PACIFIC RESORT AT UNIVERSAL NOVEMBER 13 – 18, 2022

WHAT IS LIVE! 360?



The Ultimate Education Destination 5 Great Events, 1 Low Price!

Live! 360 brings the IT, Developer, and Data communities together for real-world, practical information and training on a wide range of Microsoft products, technologies, and solutions. Plus, Live! 360 brings 5 co-located conferences together, featuring expert education, training, knowledge transfer and networking, enabling you to create your own custom conference choosing from over one hundred sessions and 16 hands-on labs and in-depth workshops to best suit your needs.

Whether you are a developer, IT Pro, DBA, or a Data Scientist, on a large team or a team of 2, Live! 360 is crafted for (almost) every IT title, experience level, and team size!

Choose the ultimate education destination: Live! 360.

Attendees of any of the Live! events will have unlimited access to all five co-located conferences – mix and match sessions to create a custom conference!

Visual Studio

Visual Studio Live! features unbiased and practical development training on the Microsoft Platform. Soak in the knowledge on everything from Visual Studio and the .NET framework, to ASP.NET, Core, .NET 6, JavaScript, GitHub, Database Analytics, C#, MAUI, Azure, and so much more.



At SQL Server Live!, we want to help DBAs, analytics experts, systems administrators, and developers like you do more with your SQL Server and Microsoft/Azure Data Platform investments. We want to help you improve performance, get insights from your data, step up security, and take advantage of new features across the platform.



TechMentor offers in-depth training for IT Pros, giving you the perfect balance of the tools you need today, while preparing you for tomorrow. With zero marketing speak, a strong emphasis on doing more with the technology you already own, and solid coverage of what's just around the corner, you'll get the technical training you need for deploying, managing, and supporting Microsoft products and technologies.

Artificial Intelligence LIVE!

Artificial Intelligence Live! is an innovative conference for current and aspiring developers, data scientists, and data engineers covering artificial intelligence (AI), machine learning, data science, Big Data analytics, IoT, bots, and more from Microsoft and others. You can expect real-world training on the languages, libraries, APIs, tools and cloud services you need to implement real AI and machine learning solutions, today and into the future.



Cloud & Containers Live! has the content you need to understand and leverage Kubernetes, Docker, Azure, AWS, and other cloud-native technologies. Whether you are looking for IT infrastructure, software development, or DevOps information, this conference is for you.





Top Reasons Reasons To attend LIVE! 360 2022



FULL DAY HANDS-ON TRAINING!

Sunday Pre-Conference Full-Day Hands-On Labs are back this year to add another full day of learning with seven options to choose from. Bring your laptop and learn by doing. (Additional fees apply, see <u>pricing page</u> for details).

CONTENT FOR (ALMOST) EVERY

IT TITLE! Live! 360 is proud to bring together these five co-located conferences to offer Hands-On Labs, Workshops, Keynotes, Panel Discussions and sessions for almost every IT title.

MAKE THE CONFERENCE YOUR OWN.

Mix and match sessions and workshops from any of the five events to best serve your needs. Because of the convenient co-location, there will be even more opportunities to access 165+ sessions, 75+ speakers, and a robust exhibit floor — all enhancing your event experience.

SPEND QUALITY TIME WITH PEERS FROM AROUND THE WORLD.

Incorporating knowledge transfer, networking and leading-edge training into six intense days, these conferences will get you up-to-date on current technologies with a look to the future, while giving you the opportunity to network with fellow tech pros from points around the globe!

IT'S CALLED LIVE! 360 FOR

A REASON. Not only do we cover a full circle of technologies, but we feature both unbiased industry experts and Microsoft insiders, so you'll hear every side of the story on the most recent software and industry updates.



CHOOSE YOUR SESSIONS BY

JOB ROLE. These forward-thinking and educational events are geared toward the following job titles and roles: Developers, IT Pros, IT Leadership, DBAs, Data Professionals, DevOps, or Agile. Whether you are a developer who uses Visual Studio or a team lead in charge of implementing Agile, or an IT Pro who is looking to improve your technical skills or just getting into Azure Data, or a SQL Server DBA looking to maintain, tune and consolidate, the agendas are crafted for (almost) every IT title.

5 GREAT CONFERENCES; 1 LOW

PRICE! Attend any one of the Live! 360 events and you'll have unlimited access to all five events – and it's all included in one low price!

THE ULTIMATE EDUCATION

DESTINATION. Located at the beautiful (and attendee favorite) Royal Pacific Resort at Universal Orlando, the setting and time of year are perfect for bringing the family along to enjoy all that Orlando has to offer.





ORLANDO 2022 ROYAL PACIFIC RESORT AT UNIVERSAL NOVEMBER 13 – 18, 2022

THE FUN STUFF: LIVE! 360 ORLANDO EVENTS & ACTIVITIES

YOUR ATTENDANCE AT LIVE! 360 is about learning from your peers as well as the experts; make the most of your time with us and add these events and activities to your itinerary!

MIX & MINGLE @ LIVE360

Monday, November 14, 6:30 – 8:00pm Hard Rock Cafe at Universal CityWalk

This is your opportunity to meet fellow attendees and start friendships that can last for the week or even longer. Join us on the outdoor upstairs Patio at the Hard Rock Café Citywalk to mix and mingle with other conference attendees and speakers for a casual no-host mixer. Enjoy light appetizers provided by Live! 360 while you get to know your fellow attendees and take in the exciting CityWalk views. Everyone is responsible for their own beverages.

EXHIBITOR WELCOME RECEPTION & TRIVIA TUESDAY

Tuesday, November 15, 5:30 – 7:00pm Expo Hall

Enjoy drinks and snacks while you explore the Live! 360 exhibits and network with fellow attendees and speakers. This is your chance to check out the latest offerings from our exhibitors to help you in daily life when you return to the office.

WEDNESDAY TABLE TOPIC LUNCH

Wednesday, November 16, 12:30 – 1:30pm

Join other attendees at lunch to share ideas, talk about the issues of the day, and maybe solve a few. While you enjoy lunch, you can find and connect with other like-minded people at tables designated for certain languages, technologies, and interests.

LIVE! 360 DESSERT LUAU

Wednesday, November 16, 7:30 – 9:00pm

Come celebrate the South Pacific with delectable desserts, drinks and fabulous entertainment! Mingle with fellow attendees and speakers while enjoying the warm Florida winter weather. Settle down under the stars to enjoy a delicious dessert, cocktails, and an authentic Polynesian performance including dancers and fire throwers. Don't forget to try the specialty Live! 360 cocktail or your favorite Island libation. Families are welcome to join the fun.













ORLANDO 2022 ROYAL PACIFIC RESORT AT UNIVERSAL NOVEMBER 13 – 18, 2022

LIVE! 360 KEYNOTES & EVENTS

GET THE LOWDOWN ON CURRENT MICROSOFT STRATEGY, keep up with where technology is going, and hear different viewpoints on hot topics. Strengthen your career and sharpen your mind with awesome "insider" keynotes, and panel discussions.

LIVE! 360 TUESDAY KEYNOTE: Code to Cloud in Minutes

Tuesday, November 15, 11:00am – 12:00pm



Shayne Boyer Principal Program Manager, Developer Experiences Team, Microsoft

Deciding what services to use, getting them configured, provisioned, secured and deploying your code can be a long journey of decisions and cognitive load. Join me to see the tools and ideas Microsoft is working on to make getting started and successful in a few minutes.

LIVE! 360 WEDNESDAY KEYNOTE:

Leadership Is a Journey

Wednesday, November 16, 11:30am – 12:30pm



Philip Japikse Developer, Coach, Author, Teacher

Leaders aren't born, they aren't hatched, and they don't apparate. Leadership is a journey, one that involves hard work, practice, and a deep understanding of not only your team members but also yourself. Phil has led teams large and small throughout his 30 year career, and certainly made plenty of mistakes on the way, but he's learned to fail fast, iterate, and continuously improve to create high performing teams across multiple verticals. In this keynote session, Phil will share what he has learned over the years being a leader and being led.

THURSDAY NETWORKING EVENT: Next? Live! 360 Networking Event

Thursday November 17, 4:00 – 5:00pm

After a week of intense learning, what's next for you and your current projects? Part Q&A with speakers and conference chairs and part peer exchange, you can use this time to network with your fellow Live! 360 attendees and select speakers to discuss the best ways to move your projects to the next level.

Bill Ayers Consultant Developer / Solution Architect

Bradley Ball Premier Sr. Consultant, Premier Support for Developers, Microsoft

Prashant G Bhoyar Senior Solution Architect, WithumSmith+Brown

Eric D. Boyd Founder and CEO, responsiveX

Andrew Brust CEO and Founder, Blue Badge Insights

Priscilla Camp Date Warehouse Systems Manager, University of Central Florida

Benjamin Day Author, Trainer, Developer

Colin Dembovsky Cloud Solution Architect, 10th Magnitude

Angela Dugan Delivery Director, 3Cloud Solutions

Allan Hirt Founder and Managing Partner, SQLHA, LLC Veronika Kolesnikova Web Developer, Rightpoint

Sami Laiho Chief Research Officer, Truesec

Thomas LaRock Head Geek, SolarWinds

Rockford Lhotka Chief Software Architect, Marimer LLC

Karen Lopez Data Evangelist, Space Enthusiast, & NASA Datanaut

Ted Neward Co-founder, Solidify/US

Jörgen Nilssen Principal Consultant, Onevinn - Ccmexec.com

Ronni Pedersen Enterprise Mobility, APENTO

Nestori Syynimaa Senior Principal Security Researcher, Secureworks

Geert van der Cruijsen Cloud Native Architect, Xpirit





CONFERENCE KEYNOTES



VISUAL STUDIO LIVE! KEYNOTE

Modern Application Development with .NET and Azure

Tuesday, November 15, 8:00am - 9:00am



James Montemagno Principal Lead Program Manager for .NET Community, Microsoft

.NET 7 is the newest version of .NET, a modern, open-source development platform for building apps for any OS with the best performance and productivity. .NET is a unified platform and .NET 7 adds new capabilities for building web, native and hybrid apps for Android, iOS, Linux, MacOS, Windows. This session will show how to build modern Microservice backends hosted on Linux in Azure Container Apps and rich client applications in Blazor and Blazor Hybrid that consume these Microservices. We will cover the latest enhancements to C#, native client development with .NET, the latest in advanced developer tools, and so much more.



SQL SERVER LIVE! & ARTIFICIAL INTELLIGENCE LIVE! KEYNOTE

Accessibility - From Data to AI

Tuesday, November 15, 8:00am - 9:00am



Henk Boelman Cloud Advocate, Microsoft



Artificial

Intelligence (IVE)

Buck Woody Applied Data Scientist, Azure Data Services Team, Microsoft

Join Buck Woody, Principal Data Scientist, and Henk Boelman from the Azure Cloud team as they show you the power and flexibility you have with the Intelligent Data Platform and Azure Machine Learning. You'll see a practical, real-world implementation of Data Engineering and Governance, and working with a Data Lake to create a Vision AI solution with full application insights – all in an hour! You don't want to miss this exciting Keynote.





CONFERENCE KEYNOTES (continued)



TECHMENTOR KEYNOTE

What's Next For Microsoft Teams

Tuesday, November 15, 8:00am - 9:00am



Stephen Rose

Sr. Product Manager, Microsoft Teams, Microsoft

Join Microsoft Teams IT Pro Product Lead Stephen Rose for a deep dive session into the new and upcoming features in Microsoft Teams including a look at the new Security, Privacy, Governance and Management features.

You will learn:

- Understand the newest feature in Microsoft Teams
- Live Q&A with a Teams customer
- Opportunity for product feedback from the audience



CLOUD & CONTAINERS LIVE! KEYNOTE

Journey to Cloud Native

Tuesday, November 15, 8:00am - 9:00am



Paul Yuknewicz Principal Group Product Manager, Microsoft

Cloud native computing promises infinite scale, resiliency and agility to teams building apps in the cloud. In this keynote we'll look at the characteristics of a well architected cloud native app and process, and outline some battle tested strategies to achieve this whether you're born in the cloud or just starting the journey more incrementally with your existing on prem code. You can also expect to see how life is better and more productive through a combination of leveraging containers, Azure, and the latest tools and frameworks.





ORLANDO 2022 ROYAL PACIFIC RESORT AT UNIVERSAL NOVEMBER 13 - 18, 2022

PANEL DISCUSSIONS

GET THE FULL 360 DEGREE PERSPECTIVE and hear different viewpoints on hot topics. Strengthen your career and sharpen your mind with these expert panel discussions.



VISUAL STUDIO LIVE! PANEL DISCUSSION:

Navigating the Great Resignation

Thursday, November 17, 11:00am - 12:00pm



Angela Dugan (moderator) Delivery Director, 3Cloud Solutions



Technical Fellow, endjin

Veronika Kolesnikova

Web Developer, Rightpoint













Author, Trainer, Developer

The "Great Resignation" first hit the news back in May 2021, and describes the trend that impacted a number of large, industrialized companies where record numbers of employees were resigning from their full-time jobs. As the world recovers in the post-COVID world and redefines "normal", astounding numbers of people are now finding career opportunities in places that they'd never considered previously. As knowledge workers like us rethink job satisfaction, personal values, and the future of our careers, a whole new set of challenges arise.

Topics will include:

- · As a knowledge worker, what new and different benefits, compensation, and flexibility should I ask for at review time?
- · As an employer, how do I balance an ever growing list of challenges in how I support my on-site, remote, and hybrid employees?
- As a hiring manager or recruiter, how do I ask the right questions to set everyone up for success, and reduce the chances of attrition?



Buck Woody

SQL SERVER LIVE! PANEL DISCUSSION:

Azure Cloud Migration Discussion Panel

Thursday, November 17, 11:00am - 12:00pm



Thomas LaRock (moderator) Head Geek, SolarWinds







Ginger Grant Principal Data Geek, Desert Isle Group



Bradley Ball Premier Sr. Consultant, Premier Support for Developers, Microsoft

Applied Data Scientist, Azure

Data Services Team, Microsoft

The "lift-and-shift" methodology for cloud migration has proved disastrous for many systems and workloads. This is often due to cloud architecture complexity as each cloud comes with a myriad of differing configuration options. Attend this panel discussion and learn from cloud migration experts on the right way to get the job done.





PANEL DISCUSSIONS (continued)



TECHMENTOR PANEL DISCUSSION:

Defending Your Environment in 2022

Thursday, November 17, 11:00am - 12:00pm



Dave Kawula (moderator) Principal Consultant, TriCon Elite Consulting



Sami Laiho (moderator) Chief Research Officer, Truesec



Derek Melber Chief Technoloav and Security Strategist



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Nestori Syynimaa
Senior Principal Security
Researcher, Secureworks
```







With cyber threats being top of mind for every organization, our esteemed panel of experts will discuss topics like Identity Protection, Infrastructure Protection, and Cloud Protection. Come ready with your questions, as we will also be doing live audience questions. TechMentor Conference Chairs Sami Laiho and Dave Kawula will moderate this panel.



ARTIFICIAL INTELLIGENCE LIVE! PANEL DISCUSSION:

Responsible AI: Is There Such a Thing?

Thursday, November 17, 11:00am - 12:00pm



Brian Randell (moderator) Product Marketing Director, GitHub

Prashant G Bhoyar

WithumSmith+Brown

Senior Solution Architect.



Priscilla Camp Date Warehouse Systems Manager, University of Central Florida



Andreas Erben CEO Americas and CTO, daenet and Industrial Holoaraphics

As AI becomes a part of our daily lives, we as professionals need to think hard about the decisions we make to enable "smart features" in our applications. Companies like Microsoft talk about "responsible AI". While other companies make the news for questionable use of AI to harvest information about individuals and companies. What do you think? Is there such a thing as responsible AI. Come to this panel discussion and hear from the experts and share your thoughts on the subject.



PANEL DISCUSSIONS (continued)



CLOUD & CONTAINERS LIVE! PANEL DISCUSSION:

Cloud is Mainstream. What's Next?

Thursday, November 17, 11:00am - 12:00pm

"The Cloud", as with any massive change to computing, has taken well over a decade to mature and become mainstream. We are now at the point where nearly any server-side code or services run in some form of cloud, or organizations at least are planning how to move to a cloud-based platform in the future.

The impact of this is still being felt, especially in the IT Pro space, with the Ops part of DevOps increasingly becoming automated and code-driven, and the ancient art of data center planning becoming a thing of the past. Does the future of the IT world still have room for Linux or Windows admins? Wires and pliers? Or is it all Terraform, Ansible, PowerShell, and bash? Are on-premises databases still a thing? Should they be? Why? Should organizations manage their own identity, or delegate that to cloud providers?

On the app dev side, are our languages and libraries sufficient to support truly cloud-native architectures and environments? Java and C# are powerful, but can they compete with Go or Rust? Are containers still relevant when WebAssembly with WASI is maturing rapidly? What happens to languages that can't efficiently run in containers? Or in rustlet-style WebAssembly hosting?

And what about cloud fabrics themselves; is Kubernetes the endgame, or just a step on the road? Is there room for another open-source orchestrator, or would organizations prefer to tie themselves to vendor-specific fabrics in AWS. Azure, GCP. etc?

These, and other topics you bring to this panel, will be discussed by our panel of industry experts.



Rockford Lhotka (moderator) Chief Software Architect, Marimer LLC



Mike Benkovich

Developer, Business Owner, Consultant, Cloud Architect, Microsoft Azure MVP and an Online Instructor



Eric D. Boyd

Founder and CEO, responsiveX



Tony Champion President, Champion DS



Ted Neward Co-founder, Solidify/US



Rod Trent Senior Cloud Security Advocate and Global Microsoft Sentinel SME, Microsoft





AGENDA AT A GLANCE

				SQL Se			TECHMENTOR		Artificial Intelligence	Cloud & Containers (UVE)
DevOps	s and Beyond	nd Database Development Developing Technical Excellence New Experiences and Leadership Skills	The Core of .NET Full Stack Web Development	Administration	er Features ponents SQL Server for Developers SQL Server Performance Tuning and Optimization	Client and Endpoint Management PowerShell and DevOps Infr	astructure Soft Skills Secu	rity Azure (Public/ Hybrid) Hybrid	Pro- gramming Analytics Cloud ML Platforms Intelligent Apps Data Science Internet of Things	Cloud-Native Cloud-Native Infrastructure Cloud-Native DevC
	END TIME	Visual Studio Live! Pre-Conference Hands-On Labs: Sunda	ay, November 13, 2022	SQL Server Live! Pre-Conference Hand	is-On Labs: Sunday, November 13, 2022	TechMentor Pre-	Conference Hands-On Labs: Sunday,	November 13, 2022	Artificial Intelligence Live! Pre-Con Hands-On Labs: Sunday, Nov 13	Cloud & Containers Live! Pre-Con Hands-On Labs: Sunday, Nov 13, 20
7:30 AM 9:00 AM	9:00 AM 6:00 PM	VSHOL01 Hands-On Lab: Develop an ASP.NET Core App with EF Core in a Day VSHOL02 Hands-On Lab: Secure and Compliant Delivery Embracing DevOps		SQHOL01 Hands-On Lat	e and Morning Pastries b: SQL Server Ground to Cloud	тмног	Registration • Coffee and Morning Pastrie .01 Hands-On Lab: Microsoft 365 Security N		Registration - Coffee and Morning Pastries AIHOL01 Hands-On Lab: Building Modern Bot Experiences with Azure Cognitive Services	Registration - Coffee and Morning Pastries CCHOL01 Hands-On Lab: Doing Kubernetes DevOps style
2:00 PM	7:00 PM	- Philip Japikse - Philip Japikse Pre-Conference Registration - Royal Pacific Resort Conference	- Jeremy Clark		Ball & Joshua Luedeman al Pacific Resort Conference Center	Pre-Confer	- Michael Van Horenbeeck ence Registration - Royal Pacific Resort Con	ference Center	- Brian Randell and Mickey Gousset Pre-Conference Registration - Royal Pacific Resort Conference Center	- Roy Cornelissen & Alex Thissen Pre-Conference Registration - Royal Pacific Resort Conference Center
START TIME		Visual Studio Live! Pre-Conference Workshops: Monday, Registration • Coffee and Morning Pastries			rkshops: Monday, November 14, 2022	TechMentor Pro	e-Conference Workshops: Monday, N Registration • Coffee and Morning Pastrie		Artificial Intelligence Live! Pre-Con Workshops: Monday, Nov 14 Registration • Coffee and Morning Pastries	Cloud & Containers Live! Pre-Con Workshops: Monday, Nov 14, 202 Registration • Coffee and Morning Pastries
9:00 AM	6:00 PM	VSM01 Workshop: Building Cross-Platform Mobile & Desktop Apps with .NET MAUI - James Montemagno - Benjamin Day	VSM03 Workshop: Secure, Cloud Applications with Azure and GitHub - Brian Randell and Mickey Gousset	SQM01 Workshop: SQL Server Technologies Developer Dive Data Platform for	Introduction to Azure Data Professionals ck & Karen Lopez	TMM01 Workshop: Modern Mai Windows Autopilot and In - Petri Paavola		orkshop: Keeping Your CyberInsurance, and Sanity, in 2022 - John O'Neill, Sr.	AIM01 Hands-On Workshop: Microsoft Azure Al Fundamentals - Carey Payette & Lino Todros	CCM01 Hands-On Workshop: Learn to Build and Run Cloud-Native .NET Code - Rockford Lhotka
2:00 PM START TIME	7:00 PM END TIME	Mix & Mingle @ Live! 360 @ Hard Rock Café Universal City Visual Studio Live! Day 1: Tuesday, November			ock Café Universal CityWalk - 7:00pm Iesday, November 15, 2022		@ Live! 360 @ Hard Rock Café Universal Cit Mentor Day 1: Tuesday, November 15		Mix & Mingle @ Live! 360 @ Hard Rock Café Universal CityWalk - 7:00pm Artificial Intelligence Live! Day 1: Tuesday, November 15, 2022	Mix & Mingle @ Live! 360 @ Hard Rock Café Universal CityWalk - 7:00pm Cloud & Containers Live! Day 1: Tuesday, November 15, 2022
	8:00 AM 9:00 AM	Registration • Coffee and Morning Pastries VISUAL STUDIO LIVE! KEYNOTE:	5	SQL SERVER LIVE! & ARTIFICIA	e and Morning Pastries		Registration • Coffee and Morning Pastrie	25	Registration - Coffee and Morning Pastries ARTIFICIAL INTELLIGENCE LIVE! & SQL SERVER LIVE! KEYNOTE: Accessibility - From Data to Al	Registration - Coffee and Morning Pastries
		To Be Announced VST01 Websites with ASP.NET Core VST02	on to Azura Cosmos DB VST04 = Visual Studio 2022 for Mac	Henk Boelman, Cloud Advocate & Buck Woody, Appli	ed Data Scientist, Azure Data Services Team, Microsoft	Stephen	Rose, Sr. Product Manager, Microsoft Team		Henk Boelman, Cloud Advocate & Buck Woody, Applied Data Scientist, Azure Data Services Team, Microsoft	Paul Yuknewicz, Principal Group Product Manager, Microsoft
9:15 AM	10:30 AM	Razor Pages Multi-platform App Development - Philip Japikse - James Montemagno	Fast, Fluid, and Modern - Jordan Matthiesen	SQT01 Azure PostgreSQL for the SQL Server DBA - Tim Chapman	SQT02 Performance Tuning Power BI - Thomas LeBlanc	(and your IT skills) to Windows Containers on Azure - Vinicius Apolinario		TMT03 Surviving Ransomware Attacks with Microsoft 365 Defender - John O'Neill, Sr. & Dave Kawula	AIT01 Predicting the Future using Azure Machine Learning - Eric D. Boyd	CCT01 From Core to Containers to Orchestration - Modernizing my Compute - Mike Benkovich
10:30 AM 11:00 AM	11:00 AM 12:00 PM	Networking Break • Visit the EXPO Lounge - Pac LIVE! 360 KEYNOTE: Code to Cloud in Minu Shayne Boyer, Principal Program Manager, Developer Experier	tes	LIVE! 360 KEYNOTE: C	he EXPO Lounge - Pacifica 7 Code to Cloud in Minutes er, Developer Experiences team, Microsoft	1	working Break • Visit the EXPO Lounge - Pa .IVE! 360 KEYNOTE: Code to Cloud in Minu ncipal Program Manager, Developer Experie	utes	Networking Break • Visit the EXPO Lounge - Pacifica 7 LIVE! 360 KEYNOTE: Code to Cloud in Minutes Shayne Boyer, Principal Program Manager, Developer Experiences team, Microsoft	Networking Break • Visit the EXPO Lounge - Pacifica 7 LIVE! 360 KEYNOTE: Code to Cloud in Minutes Shayne Boyer, Principal Program Manager, Developer Experiences team, Micros
	12:45 PM	Lunch • Visit the EXPO Lounge - Pacifica 7 & Promen	nade Deck	Lunch • Visit the EXPO Loung	e - Pacifica 7 & Promenade Deck	Lunch	Visit the EXPO Lounge - Pacifica 7 & Prome	enade Deck	Lunch • Visit the EXPO Lounge - Pacifica 7 & Promenade Deck	Lunch • Visit the EXPO Lounge - Pacifica 7 & Promenade Deck
12:45 PM 1:30 PM	1:30 PM 1:50 PM	Dessert Break • Visit the EXPO Lounge - Pacifi VST05 Fast Focus: Hybrid Web Frameworks - Allen Conway - Allen C	vent VST07 Fast Focus: Codespaces	SQT03 Fast Focus: Data Happens: How to Get	EXPO Lounge - Pacifica 7 SQT04 Fast Focus: Power BI Metrics - Managing KPIs and Scorecards for Yourself and Your Team - Andrew Brust	D TMT04 Fast Focus: Hot Features in PowerShell 7 - Jeffery Hicks	essert Break • Visit the EXPO Lounge - Paci	ffica 7 TMT05 Fast Focus: Cyber Security Awareness for the C-Suite - John O'Neill, Sr.	Dessert Break - Visit the EXPO Lounge - Pacifica 7 AITO2 Fast Focus: GitHub Copilot in 20 minutes - Brian Randell	Dessert Break • Visit the EXPO Lounge - Pacifica 7 CCT02 Fast Focus: DIY - Make A Kubernetes Cluster with Inexpensive Device - Rockford Lhotka
2:00 PM	2:20 PM	VST08 Fast Focus: A Real-time SignalR Core Chat VST09 Fast Focus: Supercharged Feedback Tech	nniques VST10 Fast Focus: Getting .NET Interactive Notebooks	Through Your Day - Karen Lopez SQT05 Fast Focus: SQL Server Data Types and Performance	SQT06 Fast Focus: Introduction to Power BI Datamarts	TMT06 Fast Focus: 7 Key Tips for Microsoft in Education	TMTM How to Stay Sane Keeping Up to Date in an Evergreen Cloud as an IT Pro - Stâle Hansen	TMT07 Fast Focus: Mac Management on	AIT03 Fast Focus: Battle Royale - Microsoft Bot Framework Vs Power Virtual Agents	- ROCKIDIA LIDIKU CCT03 Fast Focus: GitHub Actions and Workflow Patterns - Mike Benkovich
2:20 PM	2:45 PM	- Jim Wooley in 20 Minutes - Angela Dugan Networking Break • Visit the EXPO Lounge - Pac	- Jason Bock	- Thomas LaRock Networking Break • Visit t	- Arthur Graus he EXPO Lounge - Pacifica 7	- Omar Valerio	working Break • Visit the EXPO Lounge - Pa	Intune: More Than "Good Enough" - Émile Cabot	(No Code Chatbots) - Prashant G Bhoyar Networking Break • Visit the EXPO Lounge - Pacifica 7	Networking Break • Visit the EXPO Lounge - Pacifica 7
2:45 PM	4:00 PM		Apps More Quickly with CodeSpaces an Randell C# Past, Present, and Beyond - Jim Wooley	SOTO7 Conquering Columnstore Indexes - Tim Chapman	SQT08 Azure Data Platform Security Overview - Buck Woody	TMT08 Customize Microsoft Teams to our Environment - Karinne Bessette	TMT09 How to Use PowerShell to Become a Windows and Cloud Management SuperHero - 2022 Edition - Petri Paavola	TMT10 Lock the Doors, Secure the Valuables, and Set the Alarm - Eric D. Boyd	AIT04 Making Sense of Unstructured Data with Al - Henk Boeiman	CCT04 - To Be Announced
4:15 PM	5:30 PM	(PWA) Using Angular VS116 Bounce, the Art of Resiliency Patterns in A	Azure Cosmos DB nard Lobel VST18 What's New in .NET 7 APIs - Jason Bock	SQT09 Locking, Blocking, and Deadlocks - Thomas LaRock	SQT10 Using Azure Synapse with Azure Data Lake - Thomas LeBlanc	TMT11 PKI - Avoiding Common Pitfalls - Rick Davis	TMT12 Demistifying Co-Management, CMG, Autopilot and Cloud Attach - Émile Cabot	TMT13 Overcoming the Fear of Public Speaking: Tips to Help Boost Your Career and Profile - <i>Cristal Kawula</i>	AITO5 Busy .NET Developer's Guide to Python - Ted Neward	CCT05 To Microservice or Not to Microservice? How? - Alon Fliess
5:30 PM START TIME		Exhibitor Welcome Reception - Pacifica 7 Visual Studio Live! Day 2: Wednesday, Novemb			Reception - <i>Pacifica 7</i> dnesday, November 16, 2022	TechN	Exhibitor Welcome Reception - Pacifica 7		Exhibitor Welcome Reception - <i>Pacifica 7</i> Artificial Intelligence Live! Day 2: Wednesday, November 16, 2022	Exhibitor Welcome Reception - Pacifica 7 Cloud & Containers Live! Day 2: Wednesday, November 16, 2022
7:30 AM	8:00 AM	Registration - Coffee and Morning Pastries			e and Morning Pastries	TMW01 🖪 Who's Afraid of PowerShell	Registration • Coffee and Morning Pastrie		Registration • Coffee and Morning Pastries	Registration • Coffee and Morning Pastries
8:00 AM	9:15 AM	VSW02 Deep Dive with MAUI	yzing Code in .NET VSW04 To Be Announced son Bock	SQW01 Secure Machine Learning with SQL Server - Buck Woody	SQW02 Moving Away from Data Flows and Simplifying Data Pipelines in Azure Synapse Analytics - Ginger Grant	Security? Introduction to Securing Your Environment - Michael Wiley	Network Sustainability and Security Protocols - Omar Valerio	TMW03 Zero Admins - Zero Problems - Sami Laiho	AIW01 Using Azure IoT Central to Form a Basis for Your IoT Solutions - Carey Payette	CCW01 Permit to Cloud - Land with confidence in Azure - Mike Benkovich
9:30 AM	10:45 AM	the Basics Not Just - Allen Conway - Jere	Design Patterns: for Architects emy Clark VSW07 Too late for TDD? Start Test Eventually Development now - Jim Wooley	SQW03 Blockchain for the DBA & Data Professional - Karen Lopez	SQW04 Where We're Going, We Don't Need Servers: Serverless SQL Pools in Azure Synapse Analytics - Kevin Feasel	TMW04 Microsoft Teams Tips, Tricks and Hidden Features - Stephen Rose	TMW05 Windows 11 OSD: The Saga Continues - Émile Cabot	TMWO6 How to Efficiently Navigate Microsoft Teams Meetings and Applications - Karinne Bessette	AIW02 Build Great Software Using GitHub Copilot - Brian Randell	CCW02 Level-up Your DevOps with GitHub Actions and Kubernetes - Rob Richardson
10:45 AM 11:30 AM	11:30 AM 12:30 PM	Networking Break • Visit the EXPO Lounge - Pac LIVE! 360 KEYNOTE: Leadership Is a Journ Philip Japikse, Developer, Coach, Author, Teac	ey	LIVE! 360 KEYNOTE:	he EXPO Lounge - Pacifica 7 Leadership Is a Journey r, Coach, Author, Teacher		working Break • Visit the EXPO Lounge - Pa LIVE! 360 KEYNOTE: Leadership Is a Journ hilip Japikse, Developer, Coach, Author, Tea	ney	Networking Break • Visit the EXPO Lounge - Pacifica 7 LIVE! 360 KEYNOTE: Leadership Is a Journey Philip Japikse, Developer, Coach, Author, Teacher	Networking Break • Visit the EXPO Lounge - Pacifica 7 LIVE! 360 KEYNOTE: Leadership Is a Journey Philip Japikse, Developer, Coach, Author, Teacher
12:30 PM	1:30 PM	Table Topics Lunch	lier		pics Lunch		Table Topics Lunch		Table Topics Lunch	Table Topics Lunch
1:30 PM	2:00 PM	Dessert Break • Visit the EXPO Lounge - Pacifi VSW08 High Performance JSON VSW09 Cross Platform Development VSW10 An Infrast	VSW11 Getting Started with		EXPO Lounge - Pacifica 7	D TMW07 Enabling Flexible Work with	essert Break • Visit the EXPO Lounge - Pacit	TMW09 Red vs. Blue: Microsoft at the	Dessert Break • Visit the EXPO Lounge - Pacifica 7	Dessert Break • Visit the EXPO Lounge - Pacifica 7 CCW03 Microservice Solution With Serverless Functions
2:00 PM 3:15 PM	3:15 PM 4:00 PM	Senalization with Code Generation on with UNO off, comparing AR	M, Terraform and Bicep Benkovich Conversational Al Is Easier than You Think - Michael Crump	SGW05 Performance Tuning SQL Server using Wait Statistics - Thomas LaRock Networking Break • Visit the EXPO Lou	SQW06 Data Model Design and Optimization for Power BI - Ginger Grant	Windows 365 and Äzure Virtual Desktop - Eric D. Boyd	From A to Z - Stocy Deere-Strole ak • Visit the EXPO Lounge • Expo Raffle @ 3	Core of Your Protection, Detection, and Response Capabilities! - Michael Van Horenbeeck 3:30 p.m Pacifica 7	AIW03 Build and Deploy PyTorch Models with Azure Machine Learning - Henk Boelman Networking Break • Visit the EXPO Lounge • Expo Raffle @ 3:30 p.m Pacifica 7	and Serverless Containers – Pros and Cons - Alon Fliess Networking Break • Visit the EXPO Lounge • Expo Raffle @ 3:30 p.m Pacifico
4:00 PM	5:15 PM	Enterprise Applications Tool New Open S Guide to Flutter Boosting Your A	with the Changes - Adaptability Quotient lela Dugan - Marcel de Vries	SQW07 Introduction to Power Query Language M - Arthur Graus	SQW08 Data Exploration with Synapse and KQL - Kevin Feasel	TMW10 Remove Common Cloud Only Technical Blockers - Nicklas Ahlberg	TMW11 Keeping up with the Microsoft 365 Admin Center - Stacy Deere-Strole	TMW12 A Day in the Life of a Microsoft Sentinel Analyst - Rod Trent	AIW04 Bot Composer: A New Way of Creating Smart Bots - Veronika Kolesnikova	CCW04 Building Applications with Azure Active Directory B2C - Tony Champion
7:30 PM START TIME		Live! 360 Dessert Luau - Wantilan Pavilion Visual Studio Live! Day 3: Thursday, Novembe			uau - Wantilan Pavilion uursday, November 17, 2022	Tech	Live! 360 Dessert Luau - Wantilan Pavilion Mentor Day 3: Thursday, November 1		Live! 360 Dessert Luau - <i>Wantilan Pavilion</i> Artificial Intelligence Live! Day 3: Thursday, November 17, 2022	Live! 360 Dessert Luau - Wantilan Pavilion Cloud & Containers Live! Day 3: Thursday, November 17, 2022
7:30 AM	8:00 AM	Registration • Coffee and Morning Pastries	5		and Morning Pastries		Registration • Coffee and Morning Pastrie	25	Registration • Coffee and Morning Pastries	Registration • Coffee and Morning Pastries
8:00 AM	9:15 AM	and React: A Winning Team - Roland Guijt - Roland Guijt - Veronika Kolesnikova - Jonath	a Access Layer You're ut Entity Framework cultural Change and Developer Experience - Colin Dembovsky Intuitive Command-line VSTH08 Continuous Delivery with	SQTH01 Indexing Internals for Developers & DBAs - Bradley Ball	SOTHO2 Modern Infrastructure Fundamentals for SQL Server - Allan Hirt SQTH04 Power BI and Azure Databricks SQL:	TMTH01 Protecting Azure AD and M365 from On-Prem Attacks - Nestori Syynimaa	TMTH02 Active Directory Security Master Class - Derek Melber TMTH05 Be a Better Speaker; 4 Steps	TMTH03 Up Your Windows 365 Game with Microsoft Graph and PowerShell - Nicklas Ahlberg & Simon Binder TMTH06 Troubleshooting the MEM	AITH01 Al in Power Bl - Priscilla Camp	CCTH01 Choosing from the Many Ways to Docker in Azure - Rob Richardson
9:30 AM	10:45 AM	Consistency at Global Scale Transformation using Empathy Interfa	aces in .NET Azure PaaS Services ex Thissen - Geert van der Cruijsen	SOTHO3 Microsoft Defender for Azure Data Platform Services - Karen Lopez	Bio Big Data for Real - Andrew Brust	TMTH04 Using Microsoft Teams as Your SOC War Room - Rod Trent	to Create Presentations that Inspire and Make People Care - Erwin Derksen	Managed Windows 11 Client - Deep Dive! - Ronni Pedersen & Jörgen Nilsson	AITH02 Experiments with Language Processing Neural Networks - Andreas Erben ARTIFICIAL INTELLIGENCE LIVE! PANEL DISCUSSION:	CCTH02 Designing and Developing Great APIs - Eric D. Boyd CLOUD & CONTAINERS LIVE! PANEL DISCUSSION:
		Navigating the Great Resignation Angela Dugan (moderator), Jeremy Clark, Benjamin Day, Ian Griffith Lunch		Azure Cloud Migration Dis Thomas LaRock (moderator), Buck Woody	runet Discussion Panel - Pacifica 11 & 12 r, Bradley Ball, Karen Lopez, & Ginger Grant	Dave Kawula & Sami Laiho (M	Defending Your Environment in 2022 Ioderators), Derek Melber, John O'Neill, Sr., I Lunch		Responsible AL: Is There Such a Thing? Brian Randell (moderator), Prashant G Bhoyar, Priscilla Camp, & Andreas Erben	Cloud is Mainstream, What's Next? Rockford Lhotka (moderator), Mike Benkovich, Eric D. Boyd, Tony Champion & Ted Neward Lunch
12:00 PM	2:15 PM	VSTH10 Measuring Up! How To Choose Agile Metrics Your Team Won't Hate	Go for the C# Developer emv Clark	SQTH05 Introduction to Azure Arc for Data Services	SOTHO6 Azure Synapse Serverless Pools: POLARIS Deep Dive	the Foundation of Azure AD Security	TMTH08 File Management Tips & Tricks with PowerShell		AITHO3 Artificial Intelligence and Common Sense	CCTH03 Storage Strategies in Microsoft Azure - <i>Eric D. Boyd</i>
2:30 PM		VSTH09 Deep Dive on Blazor: The Run Everywhere with.NET UI Framework - Rockford Lhotka VSTH13 Better Architecture without VSTH14 Dotnet C	of GitHub - Colin Dembovsky Ll or: How I Learned to rd Love the Command than 'J.' Tower Dev Tools - Andreas Erben	SOTHO7 Redefining SQL Server Availability in a Cloudy, Virtual World -Alian Hirt	- Bradley Ball SQTHO8 Call Web APIs Like a Pro in Power Query - Arthur Graus	- Nestori Syynimaa TMTH10 The Silent Scream of Every Network: The Horror that is Active Directory Security - Derek Melber	- Jeffery Hicks TMTH11 True Tips on Microsoft Teams - Erwin Derksen	- Ronni Pedersen & Jörgen Nilsson TMTH12 75 Life Hacks of Windows in 75 Minutes - Sami Laiho	- Bill Ayers AITH04 Azure Cognitive Services at the Edge - Bill Ayers	- Eric D. Boya CCTH04 Busy.NET Developer's Guide to Orleans - Ted Neward
4:00 PM	5:00 PM	Keel van de Claysen K	17 Dembovsky, Angela Dugan, Allan Hirt, Veronika Kolesnikova, Sami	Next? Live! 360 Netw Bill Ayers, Bradley Ball, Prashant G Bhoyar, Eric D. Boyd, Andre Dugan, Allan Hirt, Veronika Kolesnikova, Sami Laiho, Thomas La	orking Event - Pacifica 7 w Brust, Priscilla Camp, Benjamin Day, Colin Dembovsky, Angela Rock, Rockford Lhotka, Karen Lopez, Ted Neward, Jörgen Nielsen,	Bill Ayers, Bradley Ball, Prashant G Bhoy Dugan, Allan Hirt, Veronika Kolesnikova, S		a 7 19, Benjamin Day, Colin Dembovsky, Angela 14, Karen Lopez, Ted Neward, Jörgen Nielsen,	Next? Live! 360 Networking Event - Pacifica 7 Bill Ayers, Bradley Boll, Prashant G Bhoyar, Eric D. Boyd, Andrew Brust, Priscilla Camp, Benjamin Day, Colin Dembovsky, Angela Dugan, Allan Hirt, Veronika Kolesnikova, Sami Laiho, Thomas LaRock, Rockford Lhotka, Karen Lopez, Ted Neward, Jörgen Nielsen,	Next? Live! 360 Networking Event - Pacifica 7 Bill Ayers, Bradley Ball, Prashant G Bhoyar, Eric D. Boyd, Andrew Brust, Priscilla O Benjamin Day, Colin Dembovsky, Angela Dugan, Allan Hirt, Veronika Kolesnikovc Laiho, Thomas LaRock, Rockford Lhotka, Karen Lopez, Ted Neward, Jörgen Nie
1	END TIME	Visual Studio Live! Post-Conference Workshops: Friday,			iimaa, & Geert van der Cruijsen Iorkshops: Friday, November 18, 2022		Pedersen, Nestori Syynimaa, & Geert van de ost-Conference Workshops: Friday, No	-	Artificial Intelligence Live! Post-Con Workshops: Friday, Nov 18, 2022	Cloud & Containers Live! Post-Con Workshops: Friday, Nov 18, 20
START TIME 7:30 AM	8:00 AM	Registration • Coffee and Morning Pastries	5	Registration - Coffee	and Morning Pastries		Registration • Coffee and Morning Pastrie	es l	Registration • Coffee and Morning Pastries	Registration • Coffee and Morning Pastries

ORLANDO 2022 ROYAL PACIFIC RESORT AT UNIVERSAL NOVEMBER 13 – 18, 2022

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ORLANDO 2022

ROYAL PACIFIC RESORT AT UNIVERSAL NOVEMBER 13 - 18, 2022

Visual Studio (IVE)

EXPERT SOLUTIONS FOR ENTERPRISE DEVELOPERS



AGENDA-AT-A-GLANCE

DevOps and Beyon		d Database Development	Develop New Exper		chnical Excellence d Leadership Skills	The Core of .NET	Full Stack Web Development				
START TIME	END TIME	Visual Studio Live! Pre-Conference Hands-On Labs: Sunday, November 13, 2022									
7:30 AM	9:00 AM			Registration •	Coffee and Morning Pastrie	es					
9:00 AM	6:00 PM	VSHOL01 Hands-On Lab: Develop App with EF Core in a - Philip Japikse		Cloud Deli	-On Lab: Secure and Comp very Embracing DevOps ies & Geert van der Cruijse	PI	On Lab: Asynchronous and Parallel rogramming in C# - Jeremy Clark				
2:00 PM	7:00 PM		Pre-Cor	nference Registratio	n - Royal Pacific Resort Cor	nference Center					
START TIME	END TIME		Visual Studio L	ive! Pre-Conferen	ce Workshops: Monda	y, November 14, 2022					
7:00 AM	8:30 AM			Registration •	Coffee and Morning Pastrie	es					
9:00 AM	6:00 PM	& Desktop Apps with .NE	O1 Workshop: Building Cross-Platform Mobile & Desktop Apps with .NET MAUI - James Montemagno VSM02 Workshop: The Human Side of Agile and DevOps - James Montemagno - Benjamin Day				nop: Secure, Cloud Applications n Azure and GitHub ndell and Mickey Gousset				
2:00 PM	7:00 PM		Mix & Mir	ngle @ Live! 360 @ H	lard Rock Café Universal C	ityWalk - 7:00pm					
START TIME	END TIME		Visu	al Studio Live! Da	ay 1: Tuesday, Novembo	er 15, 2022					
7:00 AM	8:00 AM			Registration •	Coffee and Morning Pastrie	es					
8:00 AM	9:00 AM		VISUAL STUDIO	D LIVE! & CLOUD &	CONTAINERS LIVE! KEYN	OTE: To Be Announced					
9:15 AM	10:30 AM	VST01 Websites with ASP.NET Con Razor Pages - Philip Japikse	Generatio	.NET MAUI: Next on Multi-platform Ap nt - James Montema	p Cos	duction to Azure vs mos DB ard Lobel	104 Visual Studio 2022 for Mac - Fast, Fluid, and Modern - Jordan Matthiesen				
10:30 AM	11:00 AM			Networking Break •	Visit the EXPO Lounge - Po	acifica 7					
11:00 AM	12:00 PM	LIVE! 360 KEYNOTE: Code to Cloud in Minutes Shayne Boyer, Principal Program Manager, Developer Experiences team, Microsoft									
12:00 PM	12:45 PM	Lunch • Visit the EXPO Lounge - Pacifica 7 & Promenade Deck									
12:45 PM	1:30 PM	Dessert Break • Visit the EXPO Lounge - Pacifica 7									
1:30 PM	1:50 PM	VST05 Fast Focus: Hybrid Web - Allen Conway	b Frameworks	VST06 Fast Focus: Reaqtor - High Volume Event Processing with Rx's Big Brother - Ian Griffiths		V5107	Fast Focus: Codespaces Mickey Gousset				
2:00 PM	2:20 PM	VST08 Fast Focus: A Real-time Si - Jim Wooley	ignalR Core Chat	Techn	cus: Supercharged Feedba iques in 20 Minutes Angela Dugan	VST10 Fast Focus:	Getting .NET Interactive Notebooks - Jason Bock				

Sessions and speakers subject to change.



AGENDA-AT-A-GLANCE (continued)

DevOps and Beyon		d Database Development	Developing New Experiences		al Excellence dership Skills	The Core of .N	ET	Full Stack Web Development
START TIME	END TIME		Visual Studio Live! Da	y 1: Tuesda	y, November 15, 2	2022 (Continued)		
2:20 PM	2:45 PM		Networking B	reak • Visit th	e EXPO Lounge - Po	acifica 7		
2:45 PM	4:00 PM	VST11 Go Hybrid Across Web, Desktop, & Mobile with Blazor Hybrid - James Montemagno	VST12 Meaningful Engagu a Hybrid Workfor - Sara Faatz		with GitHu	T Apps More Quickly b CodeSpaces n Randell	VST14	C# Past, Present, and Beyond - Jim Wooley
4:15 PM	5:30 PM	VST15 Building a Progressive Web App (PWA) Using Angular - Allen Conway	VST16 Bounce, the Art of Resiliency - Sara Faatz		VST17 Data Modeling and Partitioning Patterns in Azure Cosmos DB - Leonard Lobel		VST18 What's New in .NET 7 APIs - Jason Bock	
5:30 PM	7:00 PM		Exhibit	or Welcome F	Reception - Pacifica	7		
START TIME	END TIME	Visual Studio Live! Day 2: Wednesday, November 16, 2022						
7:30 AM	8:00 AM	Registration • Coffee and Morning Pastries						
8:00 AM	9:15 AM	VSW01 Versioning ASP.NET Core APIs - Philip Japikse				zing Code in .NET on Bock	v	SW04 To Be Announced
9:30 AM	10:45 AM	VSW05 TypeScript: Moving Beyond the Basics - Allen Conway	VSW02 Deep Dive wit - Sam Basu		Not Just f	esign Patterns: for Architects <i>my Clark</i>		7 Too late for TDD? Start Test entually Development now - Jim Wooley
10:45 AM	11:30 AM		Networking B	reak • Visit th	e EXPO Lounge - Po	acifica 7		
11:30 AM	12:30 PM				rship Is a Journey - r, Coach, Author, Teo			
12:30 PM	1:30 PM			Table Top	bics Lunch			
1:30 PM	2:00 PM		Dessert Bre	ak • Visit the	EXPO Lounge - Pac	ifica 7		
2:00 PM	3:15 PM	VSW08 High Performance JSON Serialization with Code Generation on C# 10 and .NET 6.0 in Modern .NET Applications - <i>Ian Griffiths</i>	with UNO	VSW09 Cross Platform Development with UNO - Tony Champion VSW10 An Infrastructure as Code Bake-off, comparing ARM, Terraform and Bicep - Mike Benkovich		, comparing ARM, m and Bicep		W11 Getting Started with versational AI is Easier than You Think - Michael Crump
3:15 PM	4:00 PM		Networking Break • Visit th	ne EXPO Loui	nge • Expo Raffle @ 3	3:30 p.m Pacifica 7		
4:00 PM	5:15 PM	VSW12 Entity Framework Core for Enterprise Applications - Benjamin Day - Ted Neward		r's Guide	Boosting Your A	vith the Changes - daptability Quotient ela Dugan		Secure and Compliant Cloud livery Embracing DevOps - Marcel de Vries
7:30 PM	9:00 PM	Live! 360 Dessert Luau - Wantilan Pavilion						

Sessions and speakers subject to change.



AGENDA-AT-A-GLANCE (continued)

DevOps and Beyon		d Database Development	Developing New Experiences		l Excellence ership Skills	The Core of .N	ET	Full Stack Web Development			
START TIME	END TIME		Visual Studio Live! Day 3: Thursday, November 17, 2022								
7:30 AM	8:00 AM		Registra	tion • Coffee a	nd Morning Pastrie	25					
8:00 AM	9:15 AM	VSTH01 ASP.NET Core Minimal API: and React: A Winning Team - Roland Guijt	VSTH02 Is there ML.NET	VSTH02 Is there ML.NET in MAUI? - Veronika Kolesnikova Voronika Kolesnikova				/STH04 Scaling AppSec rough Cultural Change and Developer Experience - Colin Dembovsky			
9:30 AM	10:45 AM	VSTH05 Cosmos DB: Performance and Consistency at Global Scale - Ian Griffiths		VSTH06 Rebooting Your Agile Transformation using Empathy - Benjamin Day VSTH07 Building Intuitive Command-line Interfaces in .NET - Alex Thissen				TH08 Continuous Delivery vith Azure PaaS Services - Geert van der Cruijsen			
11:00 AM	12:00 PM	,	VISUAL STUDIO LIVE! PANEL DISCUSSION: Navigating the Great Resignation Angela Dugan (moderator), Jeremy Clark, Benjamin Day, Ian Griffiths, & Veronika Kolesnikova								
12:00 PM	1:00 PM			Lunc	ch						
1:00 PM	2:15 PM	VSTH09 Deep Dive on Blazor: The Run Everywhere with .NET UI	VSTH10 Measuring Up! Choose Agile Metrics Your T Hate - Angela Duga	Team Won't	the C#	Tour of Go for Developer <i>my Clark</i>	VS1	FH12 Security at the Speed of GitHub - Colin Dembovsky			
2:30 PM	3:45 PM	Framework - Rockford Lhotka	VSTH13 Better Archite without Architect: - Geert van der Cruij	S	to Stop Worry	CLI or: How I Learned ing and Love the Jonathan "J." Tower	Enterpri	115 Introduction to Unity3D - ise Developer Skills Meet Game ev Tools - <i>Andreas Erben</i>			
4:00 PM	5:00 PM	Next? Live! 360 Networking Event - Pacifica 7 Bill Ayers, Bradley Ball, Prashant G Bhoyar, Eric D. Boyd, Andrew Brust, Priscilla Camp, Benjamin Day, Colin Dembovsky, Angela Dugan, Allan Hirt, Veronika Kolesnikova, Sami Laiho, Thomas LaRock, Rockford Lhotka, Karen Lopez, Ted Neward, Jörgen Nielsen, Ronni Pedersen, Nestori Syynimaa, & Geert van der Cruijsen									
START TIME	END TIME		Visual Studio Live! Post-Co	onference Wo	orkshops: Friday	v, November 18, 202	2				
7:30 AM	8:00 AM		Registra	tion • Coffee a	nd Morning Pastrie	es					
8:00 AM	5:00 PM	VSF01 Workshop: Blazor: Blazing into the Future of Web Development - Roland Guijt VSF02 Workshop: Modern Data DevOps in the Azure Cloud - Ian Griffiths and Ed Freeman									

Sessions and speakers subject to change.

NOVEMBER 13 - 18, 2022

VISUAL STUDIO LIVE! SESSION DESCRIPTIONS BY TRACK

FULL DAY HANDS-ON LABS

Visual Studio (IVE)

These instructor-led, pre-conference Hands-On Labs offer attendees intensive in-depth training before the conference officially begins. Take advantage of in-person instruction as well as collaboration with peers.

Attendance for each Hands-On Lab is limited, so be sure to sign up early for these special bring your own laptop pre-conference HOLs.

VSHOL01

TECH EVENTS WITH PERSPECTIVE

Hands-On Lab: Develop an ASP.NET Core App with EF Core in a Day

Intermediate

PHILIP JAPIKSE

Sunday, November 13, 9:00am - 6:00pm

Interested in ASP.NET Core and Entity Framework Core, but not sure where to start? Start here with an all-day Hands on Lab where you will build a complete solution using the latest development technology from Microsoft. You will build a data access library using Entity Framework Core, complete with repos and migrations. Next, you will build an ASP.NET Core web application, leveraging all of the latest that ASP.NET Core has to offer, including Tag Helpers, View Components, Dependency Injection, and more!

You will learn:

- ASP.NET Core Web Applications (MVC)
- EF Core
- Build an application in a day!

Attendee Requirements:

You must provide your own laptop computer (Windows or Mac) for this hands-on lab.

All other laptop requirements will be provided to attendees 2 weeks prior to the conference.

VSHOL02

Hands-On Lab: Secure and Compliant Cloud Delivery Embracing DevOps

Intermediate

MARCEL DE VRIES

Sunday, November 13, 9:00am - 6:00pm

In this Hands-on Lab we will teach you how to use all the great features GitHub has to offer. We will start with an overview how to come from Idea to Code by using GitHub Discussions, Issues, Pages and Wiki. Next we will move the idea's to code and start using the Git features. From here we dive in to the use of Branch Protection Rules, Code Owners, Actions for CI, CD and Deployments to the Azure Cloud. We will also have a look at how GitHub can help you in your Secure Development Lifecycle with Credential scanning, Package Vulnerability Scanning and Code Scanning to expose programming mistakes that might lead to vulnerabilities in the future. After this Hands-on workshop, you know what GitHub has to offer to you and your organization to implement Secure and Compliant DevOps with ease.

You will learn:

- · How to use GitHub Actions
- Secure Deploy to the Azure Cloud using Actions
 Using Git Hub Advanced Security

Attendee Requirements:

You must provide your own laptop computer (Windows or Mac) for this hands-on lab as well as providing your GitHub handle to the speakers prior to the event.

All laptop requirements and instructions for providing you GitHub handle will be provided to attendees 2 weeks prior to the conference.

VSHOL03

Hands-On Lab: Asynchronous and Parallel Programming in C#

Intermediate

JEREMY CLARK

Sunday, November 13, 9:00am - 6:00pm

Asynchronous programming is a critical skill to take full advantage of today's multi-core systems. But async programming brings its own set of issues. In this workshop, we'll work through some of those issues and get comfortable using parts of the .NET Task Parallel Library (TPL).

We'll start by calling asynchronous methods using the Task Asynchronous Pattern (TAP), including how to handle exceptions and cancellation. With this in hand, we'll look at creating our own asynchronous methods and methods that use asynchronous libraries. Along the way, we'll see how to avoid deadlocks, how to isolate our code for easier async, and why it's important to stay away from "async void".

In addition, we'll look at some patterns for running code in parallel, including using Parallel.ForEachAsync, channels, and other techniques. We'll see pros and cons so that we can use the right pattern for a particular problem.

Throughout the day, we'll go hands-on with lab exercises to put these skills into practice.

Objectives:

- Use asynchronous methods with Task and await
- · Create asynchronous methods and libraries
- How to avoid deadlocks and other pitfalls
- Understand different parallel programming techniques

Pre-Requisites:

Basic understanding of C# and object-oriented programming (classes, inheritance, methods, and properties). No prior experience with asynchronous programming is necessary; we'll take care of that as we go.

Attendee Requirements:

You must provide your own laptop computer (Windows or Mac) for this hands-on lab.

All other laptop requirements will be provided to attendees 2 weeks prior to the conference.



VISUAL STUDIO LIVE! SESSION DESCRIPTIONS BY TRACK (continued)



Choose from a wide range of content and topics by expert presenters with Visual Studio Live! Orlando's Pre- and Post-Conference full-day workshops.

Visual Studio (IVE)

VSM01

TECH EVENTS WITH PERSPECTIVE

Workshop: Building Cross-Platform Mobile & Desktop Apps with .NET MAUI

Intermediate

JAMES MONTEMAGNO

Monday, November 14, 8:30am - 5:00pm

Let's learn how to build our very first cross-platform mobile and desktop app for iOS, Android, MacOS, and Windows with .NET MAUI! We will build out a new project, add data, navigation, and call web services.

You will learn:

- What is .NET MAUI and how can you use it to build apps
- Build your first .NET MAUI app and call backend services
- Add navigation, platform features, and more!

VSM02

Workshop: The Human Side of Agile and DevOps

Intermediate / Advanced

BENJAMIN DAY

Monday, November 14, 8:30am - 5:30pm

Software delivery would be so easy...if it weren't for all the humans. The technical stuff is easy, but it's all the pesky people that need convincing and explanations and reasons for why they should follow you down the Agile and DevOps road. And then, as a leader, how can you tell if your teams are having problems and what do you do about it? How do you know if your developers are even productive? In short, what do we all need to know about and why do we care?

In this workshop, we'll connect the strategic, human-oriented reasoning to the tactical 'nuts and bolts' of a successful Agile

and DevOps-oriented organization. We'll discuss Agile, Scrum, and DevOps ideas but instead of focusing on any particular technology, we'll focus on how to help the humans to be productive.

You will learn:

- How to find and fix bottlenecks using the Theory
 of Constraints
- How to optimize delivery by tracking Work in Progress, Flow, Cycle Time, and Lead Time
- Deciding when (and when not) to grow your team
- How to rework your culture to become conversationdriven instead of requirements-driven
- · How to streamline multi-team delivery dependencies
- Communication strategies for teams, leaders, and stakeholders
- · Why projects go 'off the rails' and how to recover

VSM03

Workshop: DevSecOps in the Cloud with GitHub and Microsoft Azure

Intermediate / Advanced

BRIAN RANDELL AND MICKEY GOUSSET Monday, November 14, 8:30am - 5:30pm

Good DevOps needs to really be good DevSecOps. But how do you get started? To be clear, there's no silver bullet. Doing things right requires a change in your company's culture. A culture that embraces security and changes how solutions are delivered by "shifting left". Changing to embrace agile practices and empower everyone to do the right thing.

GitHub cares about your code. They care about your apps. And they know building awesome apps means your apps are secure. But how to you get started? In this workshop, Brian and Mickey will share their experience with you about the current state of art to build "cloud native solutions" using Azure PaaS where can apply DevSecOps principals and best practices using GitHub Enterprise Cloud and GitHub Codespaces.

While they will focus on .NET applications, they will cover general practices for all many different app types using other languages. You'll learn from the beginning about GitHub security and the core workflow of getting code from a developer to a deployed environment in Microsoft Azure. You'll start by learning about the different flavors and versions related to GitHub's offerings both free and paid, with a focus on the cloud. You'll learn critical aspects in getting an enterprise configured and running using GitHub including organizations, adding users, choosing directory authentication, teams, and more.

You'll learn about defining your repo strategy, including public, private, and internal visibility. And of course, you'll learn repo settings around security, branch protection, and more. They'll dig into pull requests, best practices, and how to manage the notification madness for a busy GitHub user. They'll also dig into GitHub's various features around helping you produce better, more secure code early by looking at Dependabot, GitHub Secret scanning, and Code QL.

Beyond the code, you'll learn about GitHub Projects to help you track work. Later, you'll learn how to use GitHub Actions for CI/CD and GitHub workflow automation. In this workshop, you'll get deep information on building and deploying modern "cloud native apps" using GitHub and Microsoft Azure. By the end of the workshop, you will be ready encourage your organization to do more to be secure by using modern DevSecOps practices.

You will learn:

- How to manage your team and work with GitHub
- How manage your code and assets with GitHub
- How to build and release with GitHub to Azure

VSF01

Hands-On Workshop: Blazor: Blazing into the Future of Web Development

Introductory

ROLAND GUIJT

Friday, November 18, 8:00am - 5:00pm

You're starting a long-term relationship with Blazor in this workshop. Throughout it you'll build components for existing applications but not before you get a clear explanation of each step we take.

This workshop will cover the following:

- What is Blazor?
- The different hosting models
- Writing a basic component
- Understanding how a component is processed
- Databinding
- Handling and creating events
- Advanced component capabilities such as cascading values, attribute splatting and component references
- Creating highly reusable component templates





VISUAL STUDIO LIVE! SESSION DESCRIPTIONS BY TRACK (continued)

You will learn:

• Gain a thorough understanding of how Blazor works

Visual Studio (IVE)

- Learn how to structure a Blazor application effectively
- Blazor component building: beginner to advanced

VSF02

Workshop: Modern Data DevOps in the Azure Cloud

Intermediate

IAN GRIFFITHS AND ED FREEMAN Friday, November 18, 8:00am - 5:00pm

Modern data platforms deserve the love and attention that web applications get when it comes to modern DevOps approaches. Data platforms often lack the same rigor and formalization of DevOps processes, such as little to non-existent test coverage, inconsistent and sporadic development and collaboration techniques, and a less efficient or formalized feedback loop when addressing enduser issues or ensuring quality throughout all areas of the solution. And with the transition to the cloud, new practices are necessarily having to be adopted to keep delivering high-quality solutions. Applying these practices to modern data platforms is sometimes a struggle, so this session aims to demonstrate tried and tested strategies which will set you up for success with your next cloud data project.

We'll start the workshop by talking about modern cloud data services (and the myriad of options Azure offers in this space), introducing DevOps principles, and discussing the related

"I REALLY LIKED THAT THERE WERE PLENTY OF OPPORTUNITIES TO TALK WITH EXPERTS."

> – Jeff Bandy, 2021 Live! 360 Conference Attendee

considerations organizations need to make when embarking on a data project. Namely, we'll discuss the importance of developing with the shared responsibility mindset and working on value streams as a cross-functional team, and how many technical requirements can be layered on top of this core concept (such as testing/automated deployments/ security frameworks).

We'll then look at how "traditional" data architectures look in the cloud, and the implications such architectures have on DevOps. Maybe your on-prem SQL Server is turning into an Azure SQL DB, or your Parallel Data Warehouse (PDW) is turning into a Synapse SQL Dedicated Pool. We'll demonstrate some candidate "traditional" data architectures implemented in the cloud, and discuss what changes on the DevOps front, such as how schema changes can be enabled in a nondisruptive way and how Infrastructure as Code (IaC) changes the way solution components are deployed and managed.

In the third session we'll deep dive into modern data architectures, primarily focusing on Azure Synapse Analytics to drive the demos. We'll show the power of lake databases (AKA Lakehouses) as an alternative to traditional relational data warehouses. We'll show off services like SQL Serverless, Spark and Delta Lake alongside other advanced features, and their ability to form a logical data warehouse over data stored in Azure Data Lake Gen2. We'll look at how Synapse Studio enables cross-functional collaboration all under the same roof, including showing advanced development techniques, including how to use Docker and VS Code dev containers when developing Spark-based Synapse solutions.

The final session will focus on administration, governance, and other operational considerations for building efficient and high-quality modern data platforms. We'll discuss the importance of practices like monitoring and alerting, SRE and data governance and the various Azure products that can help with these. We'll also discuss security considerations across all elements of modern data platforms, including permissions and access management and networking configurations. Finally, and everyone's favorite, we'll discuss typical costs for a modern data platform and what can be done to manage and optimize these.

You will learn:

- How to embed and apply DevOps principles to a modern data platform
- Highlight differences between traditional vs modern data architectures in the cloud
- How to administer and govern modern data platforms to
 ensure efficient and quality solutions

DEVOPS AND BEYOND

In 2022, it's become crystal clear that providing remote access and automation that is secure, easy to access, and readily available are critical to modern teams being successful. DevOps has been called the "second decade of Agile". We've learned much about what it means to be agile and to "do DevOps", and organizations that have thrived in times of uncertainty know that DevOps is the way that modern teams deliver value to their customers with both speed and high quality.

As part of an organizational transformation, DevOps starts with a focus on people and better processes and then, yes, great products are adopted to increase productivity and reduce friction. After participating in sessions in this track, you'll walk away confident in your knowledge about the why, how, and what of modern DevOps. Our DevOps experts will leverage their knowledge and experiences to expose you to the latest tools, strategies, and leading practices.

You'll find coverage of:

- Hands-On Lab: Secure and Compliant cloud delivery embracing DevOps
- Workshop: Secure, Cloud Applications with Azure
 and GitHub
- Build .NET Apps More Quickly with GitHub CodeSpaces
- Test-driven development (TDD)
- Infrastructure as Code Bake-off, comparing ARM, Terraform and Bicep Scaling AppSec
- Secure and Compliant Cloud Delivery Embracing DevOps
- Scaling AppSec through Cultural Change and Developer Experience
- Continuous delivery with Azure PaaS Services
- GitHub Security
- Workshop: Modern Data DevOps in the Azure Cloud



VISUAL STUDIO LIVE! SESSION DESCRIPTIONS BY TRACK (continued)

VST07

Fast Focus - CodeSpaces

Intermediate

MICKEY GOUSSET Tuesday, November 15, 1:30 - 1:50pm

Want to see the power of CodeSpaces? Watch, as in less than 20 minutes, we spin up a cloud development environment for a production website, make some changes, test those changes, and deploy those changes. And we do it ALL from within the browser. Sounds impossible? It's not. Come see.

VST13

Build .NET Apps More Quickly with GitHub CodeSpaces

Intermediate

BRIAN RANDELL Tuesday, November 15, 2:45 - 4:00pm

You will learn:

- What are GitHub Codespaces
- How do you get started with Codespaces
- How to work with Codespaces at the team level

VSW07

Too late for TDD? Start Test Eventually Development Now

Introductory / Intermediate

JIM WOOLEY

Wednesday, November 16, 9:30 - 10:45am

You will learn:

- The differences between unit testing, integration testing, and functional testing and when to use each
- How to start adding testing strategies against existing code bases
- Discover how and when to modify your code to make it more testable including refactoring to support injection and mocking

VSW10

An Infrastructure as Code Bake-off, Comparing ARM, Terraform and Bicep

Intermediate / Advanced

MIKE BENKOVICH

Wednesday, November 16, 2:00 - 3:15pm

You will learn:

- What is Infrastructure as Code (IaC) and why should I care?
- How does ARM, Terraform and Bicep compare?
- What tradeoffs do I make?

VSW15

Secure and Compliant Cloud Delivery Embracing DevOps

MARCEL DE VRIES Wednesday, November 16, 4:00 - 5:15pm Details to come.

VSTH08

Continuous Delivery with Azure PaaS Services

Intermediate

GEERT VAN DER CRUIJSEN

Thursday, November 17, 9:30 - 10:45am

You will learn:

- Splitting deploy/release with Azure Paas
- Safe releasing and fast feedback cycles
- How to do real CICD with Azure Paas

VSTH12

Security at the Speed of GitHub

Intermediate

COLIN DEMBOVSKY

Thursday, November 17, 1:00 - 2:15pm

You will learn:

- How GitHub is approaching App Security
- Features of GitHub Advanced Security
- How to scale GitHub Advanced Security across the Enterprise

VSTH04

Scaling AppSec through Cultural Change and Developer Experience

Intermediate

COLIN DEMBOVSKY

Thursday, November 17, 8:00 - 9:15am

You will learn:

- About Team Topologies
- How to apply Team Topology learnings to Application
 Security
- How GitHub facilitates modern Application Security at scale

"I LIKED THAT I WAS ABLE TO CHOOSE BETWEEN MULTIPLE DIVERSE EVENTS."

- 2021 Live! 360 Conference Attendee



VISUAL STUDIO LIVE! SESSION DESCRIPTIONS BY TRACK (continued)

DATABASE DEVELOPMENT

Working with data is critical to most applications and services. This track covers the essentials of working with Entity Framework, as well as basic and advanced concepts with Cosmos DB. For lots more great additional data and analytics content, take a look at the agenda for SQL Server Live!

Visual Studio (IVE)

This track includes coverage of the following:

- Data Modeling and Partitioning Patterns in Azure Cosmos DB
- Entity Framework Core for Enterprise Applications
- Cosmos DB: Performance and Consistency at Global Scale

VST03

TECH EVENTS WITH PERSPECTIVE

Introduction to Azure Cosmos DB

Introductory

LEONARD LOBEL

Tuesday, November 15, 9:15 - 10:30am

You will learn:

- Get familiar with NoSQL databases, and Microsoft Azure Cosmos DB
- Understand the differences between NoSQL and relational database platforms, and when to choose one or the other for your next application
- About the unique NoSQL features of Cosmos DB, including global distribution, server-side horizontal partitioning, multi-model support, rich query over schemafree data, client development, server-side programming, tunable consistency, and automatic indexing

VST17

Data Modeling and Partitioning Patterns in Azure Cosmos DB

Intermediate LEONARD LOBEL Tuesday, November 15, 4:15 - 5:30pm

You will learn:

- Translate traditional relational database concepts to modern NoSQL data modeling techniques
- Understand the tradeoffs in embedding vs. referencing, and normalizing vs. denormalizing
- How to develop the optimal database in terms of scale, performance, and cost

VSW12

Entity Framework Core for Enterprise Applications

Intermediate / Advanced

BENJAMIN DAY

Wednesday, November 16, 4:00 - 5:15pm

You will learn:

- What is WebApplicationFactory and how does it help you to test ASP.NET Core code?
- How to write tests for your WebAPI Controllers and MVC Controllers
- How to access your ASP.NET Core app's dependecy injection configuration from an automated at runtime...and why would you care

VSTH05

Cosmos DB: Performance and Consistency at Global Scale

Intermediate / Advanced

IAN GRIFFITHS

Thursday, November 17, 9:30 - 10:45am

You will learn:

- Understand what Cosmos DB's consistency models really guarantee
- How to use the tools that can tell you what will or won't
 work for each consistency level
- Understand how to optimize applications either for scale
 or cost

DEVELOPING NEW EXPERIENCES

The expectations around "user experience" are being upended right before our eyes. We've got you covered with content for rich multi-platform apps to the latest for Windows developers and even bots for good measure.

This track includes coverage of the following:

- Workshop: Building Cross-Platform Mobile & Desktop Apps with .NET MAUI
- .NET MAUI: Next Generation Multi-platform
 App Development
- Deep Dive with MAUI
- Cross Platform Development with UNO
- Busy Developer's Guide to Flutter
- ML.NET in MAUI
- Workshop: Blazor: Blazing into the Future of Web Development

VST02

.NET MAUI: Next Generation Multi-platform App Development

Introductory

JAMES MONTEMAGNO

Tuesday, November 15, 9:15 - 10:30am

You will learn:

- What is .NET MAUI and how can you use it to build apps
- How do I get started and what is the project structured
- Accessing platform features and integrations

VSW02

Deep Dive with MAUI

Intermediate SAM BASU Wednesday, November 16, 8:00 - 10:45am





VISUAL STUDIO LIVE! SESSION DESCRIPTIONS BY TRACK (continued)

You will learn:

About .NET MAUI from a mobile developer's standpoint

Visual Studio (IVE)

- Platform reach & code sharing
- Tooling improvements & design patterns
- How to bring in Blazor goodness in existing desktop apps
- How to migrate Xamarin apps to .NET MAUI

VSW09

Cross Platform Development with UNO

Introductory / Intermediate

TONY CHAMPION

Wednesday, November 16, 2:00 - 3:15pm

You will learn:

- Get an introduction into UNO
- Learn how to build cross platform experiences with UNO
- Discover how to utilize platform specific features to build the best experiences for each platform

"INSTRUCTORS ARE ACCESSIBLE. SIZE OF THE CONFERENCE ALLOWS FOR FREE EXCHANGE BETWEEN ATTENDEES AND INSTRUCTORS."

- Phillip Whitr, 2021 Live! 360 Conference Attendee

VSW11

Getting Started with Conversational AI is Easier than You Think

Introductory / Intermediate

MICHAEL CRUMP

Wednesday, November 16, 2:00 - 3:15pm

By the end of this session, you'll have what you need to need in order to make an informed decision on how best your company can implement Conversational Al technology.

VSW13

Busy Developer's Guide to Flutter

Intermediate

TED NEWARD

Wednesday, November 16, 4:00 - 5:15pm

You will learn:

- Basics of Dart and Flutter
- How a functional-reactive UI operates
- Understand what Flutter does and doesn't offer

VSTH02

Is there ML.NET in MAUI?

Introductory / Intermediate

VERONIKA KOLESNIKOVA Thursday, November 17, 8:00 - 9:15am

You will learn:

- Obtain core information about ML.NET
- Practical knowledge about Xamarin to MAUI migration
- Practical knowledge about adding ML.NET to a
- MAUI application

TECHNICAL EXCELLENCE AND LEADERSHIP SKILLS

Every software team member knows that there's more to delivering truly great products than writing solid code and having the best of breed tooling. Modern software teams that experience the greatest successes understand that strong leadership of highly motivated and skilled people make the difference, and that building better teams means building better solutions. The practices and techniques that team members use to understand and analyze the problem space, to manage interpersonal communication and conflict, and to deliver solutions that delight the end users are key to their success.

People are not born leaders; leaders are cultivated from anyone who is motivated to make a difference! Whether you're a leader by title or by necessity, the skills and practices shared in this track will enable you to have more effective interactions with stakeholders, team members, direct reports, even your manager. Whether you're an experienced leader or an aspiring one, we have something for you in the Technical Excellence and Leadership Skills track.

Topics in this track include:

- Workshop: The Human Side of Agile and DevOps
- Feedback Skills for Team Members and Leaders
- Meaningful Engagement with a Hybrid Workforce
- The Art of Resiliency
- Roll with the Changes Boosting Your Adaptability Quotient
- Rebooting Your Agile Transformation using Empathy
- Agile Metrics that Your Team will Love
- Better Architecture without Architects







VST09

Fast Focus: Supercharged Feedback Techniques in 20 Minutes

Introductory / Intermediate

ANGELA DUGAN

Tuesday, November 15, 2:00 - 2:20pm

Feedback Doesn't Have to Suck. In this fast-paced 20 minute session focused on supercharging your feedback skills, I will help you get a good foothold on where to start. We'll warm up with an overview of what feedback is, attributes of high-quality feedback, and some "tips and tricks" to getting comfortable with giving and receiving candid feedback that has worked really well for me both as a manager and a team member. You'll be a feedback champion before you know it!

VST12

Meaningful Engagement with a Hybrid Workforce

Introductory

SARA FAATZ

Tuesday, November 15, 2:45 - 4:00pm

You will learn:

- Key considerations when establishing a hybrid workplace
- Explore ways to ensure meaningful engagement in a hybrid environment
- How to engage employees and teams no matter their location

VST16

Bounce, the Art of Resiliency

Introductory SARA FAATZ Tuesday, November 15, 4:15 - 5:30pm

You will learn:

- · What resiliency is
- · Why resiliency is important
- How to find resiliency from within

VSW14

Roll with the Changes - Boosting Your Adaptability Quotient

Introductory / Intermediate

ANGELA DUGAN

Wednesday, November 16, 4:00 - 5:15pm

You will learn:

- What is AQ?
- Ways to measure AQ
- Techniques for effectively rolling with the random chaos life throws your way

VSTH06

Rebooting Your Agile Transformation using Empathy

Intermediate / Advanced

BENJAMIN DAY

Thursday, November 17, 9:30 - 10:45am

You will learn:

- What are linguistic frames and how do you use them?
- How do leaders get in their own way and what do you do about it?
- How do you talk about scaling your teams? Is scaling up a bad idea?

VSTH10

Measuring Up! How To Choose Agile Metrics Your Team Won't Hate

Introductory / Intermediate

ANGELA DUGAN

Thursday, November 17, 1:00 - 2:15pm

You will learn:

- Why it is so difficult to identify meaningful metrics in the software world
- The importance of developing a healthy "metrics mindset"
 The best types of quality-focused team metrics to focus on in an agile organization

VSTH13

Better Architecture without Architects

Intermediate

GEERT VAN DER CRUIJSEN

Thursday, November 17, 2:30 - 3:45pm

- How organization setup is really important for your application architecture
- How to do architecture in DevOps organizations
- How it is important for everyone to add to architecture









THE CORE OF .NET

The heart of the Microsoft development experience has been the .NET Framework. But it's changed a lot in the era of .NET Core. And now we have a single, unified version, .NET 6. You need to understand these major changes in the platform, not to mention the cool features being added to C#. These are the foundation-level topics you need to know for success in the Microsoft development world.

Topics in this track include:

- Hands-On Lab: Asynchronous and Parallel
 Programming in C#
- Visual Studio for Mac
- High Volume Event Processing with Rx's Big Brother
- Getting .NET Interactive Notebooks
- C# Past, Present, and Beyond
- What's New in .NET 7 APIs
- Analyzing Code in .NET
- Design Patterns: Not Just for Architects
- + JSON Serialization with Code Generation on C# 10 and .NET 6.0 $\,$
- A Data Access Layer You're Proud of without Entity Framework
- Building Intuitive Command-line Interfaces in .NET
- A Tour of Go for the C# Developer
- Dotnet CLI or: How I Learned to Stop Worrying and Love the Command Line
- Introduction to Unity3D Enterprise Developer Skills Meet Game Dev Tools

VST04

Visual Studio 2022 for Mac - Fast, Fluid, and Modern

Introductory

JORDAN MATTHIESEN Tuesday, November 15, 9:15 - 10:30am

You will learn:

- A summary of the latest changes for .NET development on the Mac
- About Visual Studio for Mac and how it may help them deliver solutions for the web, cloud, or mobile.
- About what it's like to develop solutions for the latest .NET $6/7\ \text{releases}$

VST06

Fast Focus: Reaqtor - High Volume Event Processing with Rx's Big Brother

Introductory

IAN GRIFFITHS

Tuesday, November 15, 1:30 - 1:50pm

You will learn:

- Discover the kinds of high-volume, global-scale eventdriven systems Reaqtor can build
- Understand Reaqtor's capabilities and operational model
- How the Reaqtor components Microsoft has made available fit into a real solution

VST10

Fast Focus - Getting .NET Interactive Notebooks

Introductory

JASON BOCK

Tuesday, November 15, 2:00 - 2:20pm

You will learn:

- See what .NET Interactive Notebooks are
- Understand how .NET works in notebooks
- Gain insight into .NET integration in Jupyter

VST14

C# Past, Present, and Beyond

Intermediate / Advanced JIM WOOLEY Tuesday, November 15, 2:45 - 4:00pm

You will learn:

- Discover some of the language features from recent versions of C# that you may have missed
- How the latest language features can be helpful for your applications today
- Understand how you can stay on top of new language features that are proposed for the future

VST18

What's New in .NET 7 APIs

Introductory / Intermediate

JASON BOCK

Tuesday, November 15, 4:15 - 5:30pm

You will learn:

- See what functionality .NET provides
- Understand new features in the latest version of .NET
- Gain insight in staying on top of new runtime versions

VSW03

Analyzing Code in .NET

Intermediate

JASON BOCK

Wednesday, November 16, 8:00 - 9:15am

You will learn:

- Understand the benefits in using static analysis
- Be able to use the results of static analysis effectively to improve their code
- See how analyzers can be created to reflect their own best practices

VSW06

Design Patterns: Not Just for Architects

Introductory / Intermediate

JEREMY CLARK

Wednesday, November 16, 9:30 - 10:45am

- What design patterns are
- How you are already using design patterns (even if you don't realize it)
- · How intentional use of patterns can lead to better software







VSW08

High Performance JSON Serialization with Code Generation on C# 10 and .NET 6.0 in Modern .NET Applications

Advanced

IAN GRIFFITHS

Wednesday, November 16, 2:00 - 3:15pm

You will learn:

- Understand how recent C# features can improve serialization performance
- Understand the trade-offs between .NET's various JSON serialization models
- Understand how both built-in and custom code generators can help enhance performance

VSTH03

A Data Access Layer You're Proud of without Entity Framework

Intermediate

JONATHAN "J." TOWER

Thursday, November 17, 8:00 - 9:15pm

You will learn:

- About micro-ORMs and their advantages over EF
- How to architect a data access layer using a micro-ORM, including the CQRS pattern (Command Query Responsibility Segregation)
- Attendee with compare and contrast several popular micro-ORMs

VSTH07

Building Intuitive Command-line Interfaces in .NET

Intermediate

ALEX THISSEN

Thursday, November 17, 9:30 - 10:45am

You will learn:

- Use System.CommandLine to create CLI interfaces for .NET applications
- Making discoverable and intuitive CLI using designs
 and patterns
- Leverage CLIs in DevOps scenarios using pipelines for CI/CD

VSTH11

A Tour of Go for the C# Developer

Introductory

JEREMY CLARK Thursday, November 17, 1:00 - 2:15pm

You will learn:

- Why you want to look at other languages such as Go
- How Go concurrency compares to C#
- · How to approach error handling with a different mindset

VSTH14

Dotnet CLI or: How I Learned to Stop Worrying and Love the Command Line

Introductory

JONATHAN "J." TOWER

Thursday, November 17, 2:30 - 3:45pm

You will learn:

- To do common build, run, and publish tasks with the dotnet CLI
- How to use the dotnet CLI to create new projects, restore packages, and package their code libraries into nuget packages
- · How to use third-party tools from the dotnet CLI

VSTH15

Introduction to Unity3D - Enterprise Developer Skills Meet Game Dev Tools

Introductory

ANDREAS ERBEN

Thursday, November 17, 2:30 - 3:45pm

You will learn:

- Understand the role of game development tech in modern software applications
- See how Unity3D can be utilized by Enterprise Developers
- · About some of the considerations when adopting Unity3D

FULL STACK WEB DEVELOPMENT

Web development has become the dominant approach for building enterprise software. To provide your best on every project, you need to understand the server and browser client worlds. On the server, there's ASP.NET using .NET 6 with MVC, Razor Pages, and support for building services. The browser client is evolving rapidly, with constant changes and updates to JavaScript, TypeScript, Angular, and other related frameworks. But more than this, there's now Blazor Server and Blazor Client (aka WebAssembly) and the ability to run other languages natively in the browser. Your need to keep up to date with these technologies has never been greater, and we're here to give you the knowledge you need!

Topics in this track include:

- Hands-on Lab: Develop an ASP.NET Core App with EF Core in a Day
- Websites with ASP.NET Core Razor Pages
- Fast Focus: Hybrid Web Frameworks
- Fast Focus: A Real-time SignalR Core Chat
- Go Hybrid Across Web, Desktop, & Mobile with Blazor Hybrid
- Building a Progressive Web App (PWA) Using Angular
- Versioning ASP.NET Core APIs
- TypeScript: Moving Beyond the Basics
- Minimal APIs in ASP.NET 6.0
- Deep Dive on Blazor: The Run Everywhere with .NET UI Framework



Visual Studio (LIVE)



ORLANDO 2022

ROYAL PACIFIC RESORT AT UNIVERSAL NOVEMBER 13 – 18, 2022

VST01

Websites with ASP.NET Core Razor Pages

Intermediate

PHILIP JAPIKSE

Tuesday, November 15, 9:15 - 10:30am

You will learn:

- ASP.NET Core Foundation
- Razor Pages in ASP.NET Core
- View Components, Tag Helpers, Routing, and much more

VST05

Fast Focus: Hybrid Web Frameworks

Introductory

ALLEN CONWAY

Tuesday, November 15, 1:30 - 1:50pm

You will learn:

- About the basics of what Hybrid Web Frameworks do for you
- About the differences between web, native, and hybrid implementations
- The basics of building a Hybrid Web App in Visual Studio Code

VST08

Fast Focus - A Real-time SignalR Core Chat

Introductory

JIM WOOLEY

Tuesday, November 15, 2:00 - 2:20

You will learn:

- What SignalR is
- Discover how to add SignalR to an existing web
- application to receive updates without poling
- Consider some use-cases that aren't chat apps

VST11

Go Hybrid Across Web, Desktop, & Mobile with Blazor Hybrid

Introductory

JAMES MONTEMAGNO Tuesday, November 15, 2:45 - 4:00pm

You will learn:

- What is Blazor Hybrid and how can you use it?
- How to integrate Blazor components in WinForms & WPF
- How .NET MAUI & Blazor opens a world of opportunities for native cross-platform apps

VST15

Building a Progressive Web App (PWA) Using Angular

Intermediate

ALLEN CONWAY

Tuesday, November 15, 4:15 - 5:30pm

You will learn:

- About the fundamentals of a PWA and why they would be advantageous to implement
- How to build a basic PWA using Angular, TypeScript and Ionic
- About service workers and their basic configuration in a PWA

VSW01

Versioning ASP.NET Core APIs

Intermediate / Advanced

PHILIP JAPIKSE

Wednesday, November 16, 8:00 - 9:15am

You will learn:

- Why Versioning matters
- Version options and configuration
- Documenting API versions

VSW05

TypeScript: Moving Beyond the Basics

Intermediate / Advanced

ALLEN CONWAY

Wednesday, November 16, 9:30 - 10:45am

You will learn:

- About advanced TypeScript language features available beyond the basics
- How to leverage the building blocks of TypeScript and build upon them with advanced features to make web client development more powerful
- About additional TypeScript language features like advanced types, decorators, mixins, symbols, generics, iterators, and declaration merging

VSTH01

ASP.NET Core Minimal APIs and React: A Winning Team

Intermediate

ROLAND GUIJT

Thursday, November 17, 8:00 - 9:15am

You will learn:

- How minimal APIs in ASP.NET Core can benefit
- Why React is the best choice as a SPA framework atm
- Effective guery techniques from client to API

VSTH09

Deep Dive on Blazor: The Run Everywhere with .NET UI Framework

Introductory / Intermediate

ROCKFORD LHOTKA

Thursday, November 17, 1:00 - 3:45pm

You will learn:

- How Blazor, WebAssembly, and .NET combine to enable
 this app platform
- How to build server-side Blazor and Blazor WebAssembly apps
- WebAssembly apps
- How to use Blazor UI framework features such as UI components, data binding, routing, and authorization

"I ENJOYED THE MANY DIFFERENT OPTIONS FOR SESSIONS, ABILITY TO MOVE AROUND WITH DIFFERENT TOPICS."

- 2021 Live! 360 Conference Attendee





VISUAL STUDIO LIVE! SPEAKERS

Visual Studio (IVE)

CONFERENCE CHAIRS



Andrew Brust CEO and Founder. Blue Badge Insights Visual Studio Live! Conference Co-Chair



3Cloud Solutions Visual Studio Live! Conference Co-Chair

Angela Dugan

Delivery Director,



Rockford Lhotka Chief Software Architect. Marimer LLC

Visual Studio Live! Conference Co-Chair

Veronika

Rightpoint Rockford Lhotka

Architect.

Marimer LLC

CTO, Sleek

Leonard Lobel

Technologies, Inc.

Jordan Matthiesen

Manager, Microsoft

Senior Program

Kolesnikova

Web Developer.

Chief Software



Product Marketing Director, GitHub

Visual Studio Live! Conference Co-Chair

SPEAKERS



Developer Advocate, Progress Software

Mike Benkovich

Cloud Architect,

Jason Bock

Developer, Business

Microsoft Azure MVP

and an Online Instructor

Developer Advocate,

Rocket Mortgage

Tony Champion

Champion DS

Jeremy Clark

Allen Conway

Practice Lead,

Developer Educator,

Cognizant Softvision

JeremyBytes.com

President.

Owner, Consultant,





Michael Crump Senior Developer Advocate, Vonage

Benjamin Day

Author, Trainer,

Marcel de Vries

CO-Founder & CTO,

Colin Dembovsky

Developer

Xpirit



Ed Freeman

Software Engineer, endjin

lan Griffiths

Roland Guijt

Microsoft MVP.

endjin

Trainer

Sara Faatz

Director, Developer

Relations, Progress

Mickey Gousset DevOps Architect, GitHub





James Montemagno Principal Lead Program Manager for .NET Community, Microsoft



Co-founder, Solidifv/US



Brian Randell Product Marketing Director, GitHub









van der Cruijsen Cloud Native Architect, Xpirit









Philip Japikse Developer, Coach, Author, Teacher











ORLANDO 2022

ROYAL PACIFIC RESORT AT UNIVERSAL NOVEMBER 13 – 18, 2022

SQL Server UVE

TRAINING FOR DBAs AND IT PROS



AGENDA-AT-A-GLANCE

Business Intelligence, Data Warehouse and Data Lake		se SQL Server Administration	SQL Server Features & Components	SQL Serv for Develo		SQL Server Performance Tuning and Optimization				
START TIME	END TIME	SQL Server Live! Pre-Conference Hands-On Labs: Sunday, November 13, 2022								
7:30 AM	9:00 AM		Registration • Coffee and	Morning Pastries						
9:00 AM	6:00 PM		SQHOLO1 Hands-On Lab: SQL - Buck Woody, Bradley Ball &							
2:00 PM	7:00 PM		Pre-Conference Registration - Royal Pa	cific Resort Conference C	enter					
START TIME	END TIME	SQL Se	rver Live! Pre-Conference Worksh	ops: Monday, Novemb	oer 14, 2022					
7:00 AM	8:30 AM		Registration • Coffee and	Morning Pastries						
9:00 AM	6:00 PM	SQM01 Workshop: SQL Server Technologies Developer Dive - Andrew Brust & Leonard Lobel	Azure Data Platform for Da	SQM02 Workshop: Introduction to Azure Data Platform for Data Professionals - Thomas LaRock & Karen Lopez - Davide						
2:00 PM	7:00 PM	Ν	Aix & Mingle @ Live! 360 @ Hard Rock Ca	afé Universal CityWalk - 7	:00pm					
START TIME	END TIME		SQL Server Live! Day 1: Tuesda	y, November 15, 202	2					
7:00 AM	8:00 AM		Registration • Coffee and	Morning Pastries						
8:00 AM	9:00 AM		LIVE! & ARTIFICIAL INTELLIGENCE LIV oud Advocate & Buck Woody, Applied Do							
9:15 AM	10:30 AM	SQT01 Azure PostgreSQL for t - Tim Chapmar		SQT0:	2 Performance - Thomas Le	Tuning Power Bl Blanc				
10:30 AM	11:00 AM		Networking Break • Visit the EX	PO Lounge - Pacifica 7						
11:00 AM	12:00 PM	Shayn	LIVE! 360 KEYNOTE: Code to Cloud in Minutes Shayne Boyer, Principal Program Manager, Developer Experiences team, Microsoft							
12:00 PM	12:45 PM		Lunch • Visit the EXPO Lounge - Pacifica 7 & Promenade Deck							
12:45 PM	1:30 PM		Dessert Break • Visit the EXPO	D Lounge - Pacifica 7						
1:30 PM	1:50 PM	SQT03 Fast Focus: Data Happens: How - Karen Lopez								
2:00 PM	2:20 PM	SQT05 Fast Focus: SQL Server Data - Thomas LaRoc		SQT06 Fast Fo	ocus: Introductio - Arthur G	on to Power BI Datamarts raus				

Sessions and speakers subject to change.



AGENDA-AT-A-GLANCE (continued)

Dat	ess Intellige a Warehou Id Data Lak	se & Maintenau		SQL Server Features & Components	SQL Server for Developers	SQL Server Performance Tuning and Optimization		
START TIME	T TIME END TIME SQL Server Live! Day 1: Tuesday, November 15, 2022 (Continued)							
2:20 PM	2:45 PM			Networking Break • Visit the I	XPO Lounge - Pacifica 7			
2:45 PM	4:00 PM	SQT07 🛃 Conqi - 7	uering Columnst Tim Chapman	tore Indexes	SQT08 Azure Data - Bu	a Platform Security Overview Ick Woody		
4:15 PM	5:30 PM		g, Blocking, and homas LaRock	Deadlocks		ynapse with Azure Data Lake mas LeBlanc		
5:30 PM	7:00 PM			Exhibitor Welcome Rec	eption - Pacifica 7			
START TIME	END TIME		S	QL Server Live! Day 2: Wedne	esday, November 16, 2022			
7:30 AM	8:00 AM		Registration • Coffee and Morning Pastries					
8:00 AM	9:15 AM	SQW01 Secure Ma	achine Learning Buck Woody	with SQL Server	SQW02 Moving Away from Data Flows and Simplifying Data Pipelines in Azure Synapse Analytics - <i>Ginger Grant</i>			
9:30 AM	10:45 AM		SQW03 Blockchain for the DBA & Data Professional - Karen Lopez - Kevin Feasel					
10:45 AM	11:30 AM			Networking Break • Visit the B	EXPO Lounge - Pacifica 7			
11:30 AM	12:30 PM		LIVE! 360 KEYNOTE: Leadership Is a Journey - Pacifica 6 Philip Japikse, Developer, Coach, Author, Teacher					
12:30 PM	1:30 PM			Table Topics	Lunch			
1:30 PM	2:00 PM			Dessert Break • Visit the EX	PO Lounge - Pacifica 7			
2:00 PM	3:15 PM		SQW05 Performance Tuning SQL Server using Wait Statistics - Thomas LaRock SQW06 Data Model Design and Optimization for Power BI - Ginger Grant					
3:15 PM	4:00 PM		Network	king Break • Visit the EXPO Lounge	• Expo Raffle @ 3:30 p.m Pacifica 7	7		
4:00 PM	5:15 PM		SQW07 Introduction to Power Query Language M - Arthur Graus SQW08 Data Exploration with Synapse and KQL - Kevin Feasel					
7:30 PM	9:00 PM			Live! 360 Dessert Luau	- Wantilan Pavilion			

Sessions and speakers subject to change.



AGENDA-AT-A-GLANCE (continued)

Business Intelligence, Data Warehouse and Data Lake		se SQL Server Administration	SQL Server Features & Components	SQL Server for Developers	SQL Server Performance Tuning and Optimization					
START TIME	END TIME		SQL Server Live! Day 3: Thursday, November 17, 2022							
7:30 AM	8:00 AM		Registration • Coffee and	Morning Pastries						
8:00 AM	9:15 AM	SQTH01 📕 Indexing Internals for D - Bradley Ball	SQTH01 Indexing Internals for Developers & DBAs - Bradley Ball - Bradley Ball - Bradley Ball							
9:30 AM	10:45 AM	SQTH03 Microsoft Defender for Azure - Karen Lopez	SQTH03 Microsoft Defender for Azure Data Platform Services - Karen Lopez SQTH04 Power BI and Azure Databricks SQL: BI on Big Data for - Andrew Brust							
11:00 AM	12:00 PM		SQL SERVER LIVE! PANEL DISCUSSION: Azure Cloud Migration Discussion Panel - Pacifica 11 & 12 Thomas LaRock (moderator), Buck Woody, Bradley Ball, Karen Lopez, & Ginger Grant							
12:00 PM	1:00 PM		Lunch							
1:00 PM	2:15 PM	SQTH05 📕 Introduction to Azure A - Joshua Luedemo		SQTH06 Azure Synapse Serverl - Bradley	ess Pools: POLARIS Deep Dive Ball					
2:30 PM	3:45 PM	SQTH07 Redefining SQL Server Availabilit - Allan Hirt	y in a Cloudy, Virtual World	SQTH08 Call Web APIs Lik - Arthur G						
4:00 PM	5:00 PM		Next? Live! 360 Networking Event - Pacifica 7 Bill Ayers, Bradley Ball, Prashant G Bhoyar, Eric D. Boyd, Andrew Brust, Priscilla Camp, Benjamin Day, Colin Dembovsky, Angela Dugan, Allan Hirt, Veronika Kolesnikova, Sami Laiho, Thomas LaRock, Rockford Lhotka, Karen Lopez, Ted Neward, Jörgen Nielsen, Ronni Pedersen, Nestori Syynimaa, & Geert van der Cruijsen							
START TIME	END TIME	SQL Ser	SQL Server Live! Post-Conference Workshops: Friday, November 18, 2022							
7:30 AM	8:00 AM		Registration • Coffee and Morning Pastries							
8:00 AM	5:00 PM	SQF01 Work	shop: Architecting Scalable, Available, - Allan Hi	, and Manageable SQL Server Deploymer irt	nts					

Sessions and speakers subject to change.



SQL SERVER LIVE! SESSION DESCRIPTIONS BY TRACK



FULL DAY HANDS-ON LABS

These instructor-led, pre-conference Hands-On Labs offer attendees intensive in-depth training before the conference officially begins. Take advantage of in-person instruction as well as collaboration with peers.

Attendance for each Hands-On Lab is limited, so be sure to sign up early for these special bring your own laptop pre-conference HOLs.

SQHOL01

Hands-On Lab: SQL Server Ground to Cloud

INTERMEDIATE BUCK WOODY, BRADLEY BALL & JOSHUA LUEDEMAN

Sunday, November 13, 9:00 - 6:00pm

In this one-day, hands-on workshop, you'll learn how SQL Server 2019 and Azure SQL help you solve real-world challenges. The Modules in this workshop lead you through conceptual and hands-on topics ranging from the newest technical features in SQL Server to its implementation in all the platforms it runs on. You'll learn not only specific technologies, but how to assemble them into a complete solution based on customer needs and requests.

You'll start by learning about the latest improvements in SQL Server 2019 and SQL Server 2022, the ways you can leverage SQL in Microsoft Azure (and how to get there) - all with a focus on how to extrapolate what you have learned to create other solutions for your organization. You'll end the day with a "What to Use When" module explaining how to create your own solutions.

This Workshop contains lecture and hands on lab work, and is particularly useful for Solution Architects, Data Architects, Application Architects, Technical Sellers, and Application Developers. A laptop, Microsoft Azure account, and experience with SQL is considered a prerequisite. There is also a set of computing resources you will need to provision, and an Azure Account (the free subscription is acceptable, if you wait to set it up until just before the class – do not set it up ahead of time, as it has a time limit). More detail will be provided on registration for the pre-requisites.

Attendee Requirements:

You must provide your own laptop computer (Windows or Mac) for this hands-on lab.

The Workshop: SQL Ground-to-Cloud workshop is taught using the following components, which you will install and configure in the sections that follow.

For this workshop, you will use Microsoft Windows as the base workstation, although Apple and Linux operating systems can be used in production. You can download a Windows 10 Workstation Image for VirtualBox, Hyper-V, VMWare, or Parallels for free here to use in the course. You must be able to install software on the system you will use for the course, so a Virtual Machine is often a good choice. This Workshop was built and designed for a server or VM to run SQL Server with at least 8Gb RAM and 4 CPUs.

Note that you will need to be able to run the Docker program on your workstation, so <u>Nested Virtualization must be</u> <u>enabled on the system</u>, or your physical workstation must be able to run Hyper-V images.

Other requirements include:

 Microsoft Azure: This Workshop uses the Microsoft Azure platform to host various components, and optionally you can deploy a system there to act as a workstation. You can use a free Azure account, an MSDN Account, your own account, or potentially one provided for you, as long as you can create about \$100.00 (U.S.) worth of assets.

Note that all work station set-up activities must be completed prior to class - there will not be time to perform these operations during the workshop.



Choose from a wide range of content and topics by expert presenters with SQL Server Live! Orlando's Pre- and Post-Conference full-day workshops.

SQM01

Workshop: SQL Server Technologies Developer Dive

Intermediate

ANDREW BRUST & LEONARD LOBEL Monday, November 14, 8:30am - 5:30pm

This all-day workshop on SQL Server on-prem and cloud platforms will provide coverage of a wide range of capabilities, including operational and analytical, on-premises and in the cloud. We'll start by covering important development platform features, including T-SQL enhancements added in SQL Server 2022, machine learning services with R and Python, and temporal tables.

We'll then move over to the world of analytics and data warehousing. We'll start with a primer on foundational concepts, including columnar storage, massively parallel processing (MPP) and vector processing. Then we'll get practical, starting with SQL Server analytics technologies, including columnstore indexes, batch mode and PolyBase. From there, we'll transition smoothly over to Azure Synapse Analytics, the cloud data warehouse and data lake platform based on SQL Server, T-SQL and Apache Spark. And since Synapse integrates with Azure Data Factory, Azure Data Explorer and Power BI, we'll have a look at those services – within Synapse Analytics – as well.

Next, we'll hop back to the operational side and explore security features, starting with ledger tables. With ledger, SQL Server 2022 utilizes blockchain technology that hashes every transaction, and guarantees that none of your data has been tampered with. We'll continue by examining dynamic data masking and row-level security. We'll then dig into Always Encrypted and demonstrate how to leverage secure enclaves, enabling rich query over encrypted data in use.

- Coding tricks and tips, including T-SQL enhancements, and modern development platform for machine learning with R and Python
- All about operational analytics and data warehousing, onpremises and in the cloud
- Numerous ways to query your data lake, including PolyBase in SQL Server, as well as Serverless SQL Pools and Apache Spark in Azure Synapse Analytics
- SQL Server's newest security features, including ledger tables, Dynamic Data Masking, Row Level Security, and Always Encrypted with secure enclaves



SQL SERVER LIVE! SESSION DESCRIPTIONS BY TRACK (continued)

SQM02

Workshop: Introduction to Azure Data Platform for Data Professionals

Introductory / Intermediate

THOMAS LAROCK & KAREN LOPEZ

Monday, November 14, 8:30am - 5:30pm

We will look at the core services of Microsoft Azure Data Platform offerings. Topics that may be included are:

- Azure SQL DB
- Azure Data Factory
- Azure Databricks
- Azure Synapse (formerly Azure Data Warehouse)
- Azure Cosmos DB
- Azure Storage
- Azure Stream Analytics
- Azure Monitoring
- Azure ML
- Azure Defender/Security

We'll wrap up with the ways data professionals can get handson training and usage credits to learn on their own.

You will learn:

- Understand the data-related service offerings in Azure
- Understand the costs and benefits of each Azure Data Platform Offering
- Understand how these azure data services can work together

SQM03

Workshop - Full Stack Development From Zero to Hero

Introductory / Intermediate

DAVIDE MAURI

Monday, November 14, 8:30am - 5:30pm

Let's build a fullstack/jamstack solution together, in one day. Starting from scratch, we'll see how using Azure Static Web Apps, Vue.js, Azure Functions and Azure SQL Database you can build a modern, ultra-scalable, secure solution, in just a day. We'll cover the basic of a Jamstack solution, and we'll go through all these steps to have it built and tested locally and deployed in Azure, using GitHub to setup a Cl/CD pipeline that will take care of everything. We'll go through changing requirements, authentication and authorization, scalability and alternative architectures so that, and the end of the day, you will have a solid and practical foundation for building a modern, cloud based, hyper scalable, solution.

We will cover the following topics:

- Jamstack Architecture
- Static Web Apps, Vue.Js and Azure Functions
- The Database: Azure SQL DB (Why? Stored Procs or not? JSON? Dapper or EF Core?)
- Authentication
- Connection Resiliency
- Deployment and CI/CD
- Caching
- Alternative Implementations

SQF01

Architecting Scalable, Available, and Manageable SQL Server Deployments

Intermediate / Advanced

ALLAN HIRT

Friday, November 18, 8:00am - 5:00pm

Whether you are running SQL Server on premises, in a public cloud, or as part of a hybrid solution that spans both, your solutions must meet three main criteria:

- 1. Perform well
- 2. Be up and running meeting the company's availability requirements
- 3. Be relatively easy to manage

Deployments that are up but are slow, or ones that perform well but are down every other day are useless. Add to that solutions that are complex and hard to manage often break and cause downtime and/or performance issues no matter how good they look in a Visio diagram.

How do you balance performance, availability, and manageability to achieve all your goals in a single design for SQL Server? How do you migrate from A to B with minimal downtime? How do you manage cost when considering a cloud- or hybrid-based deployment? All of these topics and more will be tackled.

This full day will not only provide tips and tricks on how to achieve successful deployments based on real world experience, but show and discuss relevant features and technologies that you should be aware of no matter how you deploy and use SQL Server - Windows Server, Linux, physical, virtual, IaaS, or PaaS.

You will learn:

- Understand the considerations for when to use and when not to use the public cloud for SQL Server
- How to plan availability for SQL Server solutions that are hybrid, laaS, or PaaS
- How to ensure that you get the performance required from your SQL Server solutions

BUSINESS INTELLIGENCE, DATA WAREHOUSE AND DATA LAKE

Organizations are increasingly turning to SQL Server and related technologies to make better business decisions. SQL Server Live! presents great content to help you master the complex world of BI and analytics to help your organization get there. Coverage of Power BI, Synapse Analytics and Azure Databricks is included.

SQT02

Performance Tuning Power BI

Intermediate

THOMAS LEBLANC

Tuesday, November 15, 9:15 - 10:30am

You will learn:

- Using internal and external tools for Power BI
 performance tuning
- Seeing the difference between M, DAX and data modeling
- Real world examples to take to the office and implement

SQT04

Fast Focus: Power BI Metrics - Managing KPIs and Scorecards for Yourself and Your Team

Intermediate

ANDREW BRUST Tuesday, November 15, 1:30 - 1:50pm







SQL SERVER LIVE! SESSION DESCRIPTIONS BY TRACK (continued)

You will learn:

- How to create a datamart in Power BI
- · How datamarts work in the background
- How to access datamarts with tools like Azure Data Studio and SSMS
- Considerations for upsizing to a Synapse Analytics data warehouse

SQT06

Fast Focus: Introduction to Power BI Datamarts

Introductory

ARTHUR GRAUS Tuesday, November 15, 2:00 – 2:20pm

You will learn:

- What is Power BI Datamarts?
- Who is the target audience?
- When to use it?

SQT10

Using Azure Synapse with Azure Data Lake

Intermediate

THOMAS LEBLANC

Tuesday, November 15, 4;15 - 5:30pm

You will learn:

- What is Synapse
- External table on blob storage
- Understanding the levels of a Modern Data Warehouse -Bronze, Silver and Gold

SQW02

Moving Away from Data Flows and Simplifying Data Pipelines in Azure Synapse Analytics

Intermediate

GINGER GRANT Wednesday, November 16, 8;00 - 9:15am

You will learn:

 Understand how you can leverage your SQL knowledge in Apache Spark

- Create design patterns for moving data with reduced
 Azure Spend
- How to incorporate Spark notebooks to improve pipeline design patterns

SQW04

Where We're Going, We Don't Need Servers: Serverless SQL Pools in Azure Synapse Analytics

Introductory

KEVIN FEASEL

Wednesday, November 16, 9:30 - 10:45am

You will learn:

- Gain an understanding of the different Azure Synapse
 Analytics pools
- · How to interact with the serverless SQL pool
- How to optimize serverless SQL pool queries and save money along the way

SQW06

Data Model Design and Optimization for Power BI

Intermediate

GINGER GRANT

Wednesday, November 16, 2:00 - 3:15pm

You will learn:

- Understand the differences between data warehousing and data modeling for Power BI
- How and when to use the different data modeling options available in Power BI to build the most scalable solutions.
- Improve Power BI performance and usability by the use of composite modeling and aggregations to improve the performance of Power BI reports in large data environments

SQW07

Introduction to Power Query Language M

Intermediate ARTHUR GRAUS Wednesday, November 16, 4:00 - 5:15pm

You will learn:

- Syntax of Power Query language M
- Create custom functions
- · Add Time Intelligence filtering

SQW08

Data Exploration with Synapse and KQL

Introductory

KEVIN FEASEL

Wednesday, November 16, 4:00 - 5:15pm

You will learn:

- Where Data Explorer pools fit into the Synapse ecosystem
- See how Data Explorer pools are useful for more than log analysis
- The basics of the Kusto Query Language (KQL)

SQTH04

Power BI and Azure Databricks SQL: BI on Big Data for Real

Intermediate

ANDREW BRUST

Thursday, November 17, 9:30 - 10:45am

You will learn:

- · How to use Databricks SQL Workspaces
- Deployment of, and connecting Power BI to, Databricks SQL Warehouses
- Background on performance optimizations in the Proton engine
- Use of Power BI composite models for efficient big data querying

SQTH06

Azure Synapse Serverless Pools: POLARIS Deep Dive

Introductory

BRADLEY BALL

Thursday, November 17, 1:00 - 2:15pm

- About the underlying architecture of Serverless SQL Pools
- About the scale and capacity of Serverless SQL Pools
- About best practices and performance tuning tips for
- Serverless SQL Pools







SQL SERVER LIVE! SESSION DESCRIPTIONS BY TRACK (continued)

SQTH08

Call Web APIs Like a Pro in Power Query

Intermediate

Thursday, November 17, 2:30 - 3:45pm

You will learn:

- Call REST API from Power Query / Power BI
- Implement paging
- Authenticate using API Token or OAuth

SQL SERVER ADMINISTRATION & MAINTENANCE

Looking to brush up on SQL Server administration fundamentals? Are you a "reluctant DBA" charged with supporting SQL Server—and given no training? SQL Server Live! is here to help, with a complete selection of core maintenance topics: Locking, Blocking, and Deadlocks, Modern Infrastructure Fundamentals for SQL Server, SQL Server Availability, and more.

SQT09

Locking, Blocking, and Deadlocks

Intermediate THOMAS LAROCK

Tuesday, November 15, 4:15 - 5:30pm

You will learn:

- Database concurrency
- Locking and blocking
- Resolve performance issues

SQTH02

Modern Infrastructure Fundamentals for SQL Server

Introductory/Intermediate ALLAN HIRT Thursday, November 17, 8:00 - 9:15am

You will learn:

- Understand modern infrastructure concepts that affect SQL Server on premises and in the cloud
- Understand networking and how it affects SQL Server
- Understand modern storage concepts for SQL Server

SQTH07

Redefining SQL Server Availability in a Cloudy, Virtual World

Introductory

ALLAN HIRT

Thursday, November 17, 2:30 - 3:45pm

You will learn:

- Understand the differences between on premises and cloud-based approaches to SQL Server availability
- Understand the availability options for SQL Server
- Understand platform-level features and what they can/ cannot do

SQL SERVER FEATURES & COMPONENTS

With sessions on Azure Data Platform security, secure machine learning, Microsoft Defender for Azure Data Platform Services, and Azure Arc for Data Services, we've got features and components covered across all platforms in the SQL Server technology family. Learn what's new, along with the do's and don'ts, from our experienced experts.

SQT08

Azure Data Platform Security Overview

Intermediate

BUCK WOODY

Tuesday, November 15, 2:45 - 4:00pm

You will learn:

 The process to identify security attack surfaces on data platforms

- Understand the Azure data protection tools and processes for data programming
- The newest features in data security from blockchain to masking

SQW01

Secure Machine Learning with SQL Server

Intermediate

BUCK WOODY

Wednesday, November 16, 8:00 - 9:15am

You will learn:

- Understand the ML Capabilities of SQL Server
- Leverage Models for Production
- The process for creating a Data Science Project

SQTH03

Microsoft Defender for Azure Data Platform Services

Intermediate

KAREN LOPEZ

Thursday, November 17, 9:30 - 10:45am

You will learn:

- Understand the Microsoft approach to Azure Security in Data Platform Services
- Understand the costs, benefits, and risks of using Microsoft Defender services
- Understand how all the Defender services and features
 work together to bring better protection to data resources

SQTH05

Introduction to Azure Arc for Data Services

Introductory

JOSHUA LUEDEMAN

Thursday, November 17, 1:00 - 2:15pm

- Understand where Azure Arc enabled Data Services fits in the Azure Arc portfolio
- Understand the right and wrong use cases for Azure Arc enabled Data Services
- What services are available in Azure Arc enabled Data Services



SQL SERVER LIVE! SESSION DESCRIPTIONS BY TRACK (continued)

SQL SERVER FOR DEVELOPERS

SQL Server (LIVE)

Developers have an incredible amount of impact on database application performance, and SQL Server Live! shines a spotlight to help developers deliver more. From topics like SQL Server data types and performance, columnstore indexes, blockchain, and a full-day SQL Server Developer Dive workshop, there's plenty of content to keep you busy—or to supplement your Visual Studio Live! agenda.

SQT03

TECH EVENTS WITH PERSPECTIVE

Fast Focus: Data Happens: How to Get Through Your Day

Introductory

KAREN LOPEZ

Tuesday, November 15, 1:30 - 1:50pm

You will learn:

- Understand the nature of human and data challenges
- Takeaways: How to identify the real issue, how to respond the right way, how to help others
- The best way to get revenge when your brain tells you that's what you need

SQT05

Fast Focus: SQL Server Data Types and Performance

Intermediate

THOMAS LAROCK Tuesday, November 15, 2:00 - 2:20pm

You will learn:

- About inefficient datatypes
- How to fix issues with datatypes
- · How to design better databases

SQT07

Conquering Columnstore Indexes

Intermediate / Advanced TIM CHAPMAN Tuesday, November 15, 2:45 - 4:00pm

You will learn:

- Understand what a Columnstore Index is
- Understand when to use Columnstore Indexes vs B-Tree Indexes
- Analytics Queries using Columnstore Indexes

SQW03

Blockchain for the DBA & Data Professional

Intermediate

KAREN LOPEZ

Wednesday, November 16, 9:30 - 10:45am

You will learn:

- Understand Blockchain and Data terminology
- Takeaways; How SQL Server/Azure SQL DB leverages Blockchain concepts, How to implement Ledger Tables, when to use Ledger Tables
- Understand when to leverage Ledger Tables and Confidential Computing with your data.

SQL SERVER PERFORMANCE TUNING AND OPTIMIZATION

Get the most from SQL Server—even if it's hosting a third-party application database. Learn the insider tricks to performance tuning and indexing internals, and even learn about Azure PostgreSQL from the perspective of a SQL Server DBA. SQL Server Live! helps you maximize your SQL Server investment.

SQT01

Azure PostgreSQL for the SQL Server DBA

Intermediate

TIM CHAPMAN

Tuesday, November 15, 9:15 - 10:30am

You will learn:

- Understand why PostgreSQL is important to learn
- Understand the differences between SQL Server and PostareSQL
- · How to get started using PostgreSQL in Azure

SQW05

Performance Tuning SQL Server using Wait Statistics

Intermediate

THOMAS LAROCK

Wednesday, November 16, 2:00 - 3:15pm

You will learn:

- Query processing tasks
- Query wait events
- Performance tuning and troubleshooting

SQTH0⁴

Indexing Internals for Developers & DBAs

Intermediate

BRADLEY BALL

Thursday, November 17, 8:00 - 9:15am

- · Gain a rich understanding of when to use indexes
- Understand when it is appropriate to use heaps and clustered indexes
- Demonstrate how the internal architecture of indexes lead to a greater understanding of how to performance tune with indexes



SQL SERVER LIVE! SPEAKERS

CONFERENCE CHAIRS

Andrew Brust



CEO and Founder, Blue Badge Insights SQL Server Live! Conference Co-Chair



Head Geek, SolarWinds SQL Server Live! Conference

SPEAKERS



Bradley Ball Premier Sr. Consultant, Premier Support for Developers, Microsoft



Andrew Brust CEO and Founder, Blue Badge Insights



Tim Chapman Principal Solution Architect, Microsoft



Kevin Feasel CTO @ FareGame, Inc.



Ginger Grant

Isle Group

Principal Data Geek, Desert





Data Warehouse Architect/ MVP at Data on the Geaux

Thomas LaRock

Head Geek, SolarWinds





Leonard Lobel CTO, Sleek Technologies, Inc.



Karen Lopez Data Evangelist, Space Enthusiast, & NASA Datanaut

Josh Luedeman Sr. FastTrack Engineer, Azure Engineering – CXP, Microsoft

Buck Woody



Applied Data Scientist, Azure Data Services Team, Microsoft







ORLANDO 2022

ROYAL PACIFIC RESORT AT UNIVERSAL NOVEMBER 13 – 18, 2022

IN-DEPTH TRAINING FOR IT PROS



AGENDA-AT-A-GLANCE

Client and Endpoint Management		PowerShell and DevOps	Infrastructure	Soft Skills for IT Pros	Security	Azure (Public/Hybrid)	"Microsoft 365 – Office Apps" for the IT Pro
START TIME	END TIME		TechMentor I	Pre-Conference Hands-C	On Labs: Sunday, Novem	ıber 13, 2022	
7:30 AM	9:00 AM			Registration • Coffee	and Morning Pastries		
9:00 AM	6:00 PM		тм	HOL01 Hands-On Lab: Micr - Michael Van	osoft 365 Security Mastercl Horenbeeck	ass	
2:00 PM	7:00 PM		Pre-Co	nference Registration - Royc	al Pacific Resort Conference	Center	
START TIME	END TIME		TechMento	r Pre-Conference Works	hops: Monday, Novemb	er 14, 2022	
7:00 AM	8:30 AM			Registration • Coffee	and Morning Pastries		
9:00 AM	6:00 PM	TMM01 Workshop: Mo	odern Management - Window - Petri Paavola	vs Autopilot and Intune	TMM02 Workshop:	Keeping Your CyberInsuran - John O'Neill, Sr.	ce, and Sanity, in 2022
2:00 PM	7:00 PM		Mix & Mi	ingle @ Live! 360 @ Hard Ro	ck Café Universal City <i>Walk -</i>	7:00pm	
START TIME	END TIME			TechMentor Day 1: Tues	day, November 15, 2022		
7:00 AM	8:00 AM			Registration • Coffee	and Morning Pastries		
8:00 AM	9:00 AM			ECHMENTOR KEYNOTE: W phen Rose, Sr. Product Mana			
9:15 AM	10:30 AM	TMT01 Migrating Win skills) to Windows C - Vinicius A	ontainers on Azure	TMT02 Making PowerShe - Jeffer	II Do More with Less Work y Hicks	with Microsof	Ransomware Attacks ft 365 Defender Sr. & Dave Kawula
10:30 AM	11:00 AM			Networking Break • Visit th	e EXPO Lounge - Pacifica 7		
11:00 AM	12:00 PM		Shayne Boye	LIVE! 360 KEYNOTE: Co r, Principal Program Manage	ode to Cloud in Minutes or, Developer Experiences te	am, Microsoft	
12:00 PM	12:45 PM		Lur	nch • Visit the EXPO Lounge	- Pacifica 7 & Promenade De	eck	
12:45 PM	1:30 PM			Dessert Break • Visit the I	EXPO Lounge - Pacifica 7		
1:30 PM	1:50 PM	TMT04 Fast Focus: Hot F - Jeffery		TMTM How to Stay Sa		the (per Security Awareness for C-Suite D'Neill, Sr.
2:00 PM	2:20 PM	TMT06 Fast Focus: 7 K Educa - Omar	ation	in an Evergreen Cloud as an IT Pro <i>- Ståle Hansen</i>		More Than "	c Management on Intune: Good Enough" <i>e Cabot</i>
START TIME	END TIME		TechN	lentor Day 1: Tuesday, N	ovember 15, 2022 (Cont	inued)	





ROYAL PACIFIC RESORT AT UNIVERSAL NOVEMBER 13 – 18, 2022

AGENDA-AT-A-GLANCE (continued)

		PowerShell and DevOps	Infrastructure	Soft Skills for IT Pros	Security	Azure (Public/Hybrid)	"Microsoft 365 – Office Apps" for the IT Pro		
2:20 PM	2:45 PM	Networking Break • Visit the EXPO Lounge - Pacifica 7							
2:45 PM	4:00 PM	TMT08 Customize to our Env - Karinne	rironment	TMT09 How to Use Po Windows and Cloud Mana Edition - Pe	gement SuperHero - 2022	and Set	s, Secure the Valuables, the Alarm D. Boyd		
4:15 PM	5:30 PM	TMT11 🛃 PKI - Avoiding Common Pitfalls - Rick Davis		TMT12 Demistifying C Autopilot and - Émile		Tips to Help Boost Y	Fear of Public Speaking: our Career and Profile <i>I Kawula</i>		
5:30 PM	7:00 PM			Exhibitor Welcome R	Reception - Pacifica 7				
START TIME	END TIME		Te	echMentor Day 2: Wedne	esday, November 16, 202	22			
7:30 AM	8:00 AM			Registration • Coffee	and Morning Pastries				
8:00 AM	9:15 AM	Introduction to Securi			nins - Zero Problems i Laiho				
9:30 AM	10:45 AM	TMW04 Microsof and Hidden Featur		TMW05 Windows 11 OSI - Émile	D: The Saga Continues Cabot	TMW06 How to Efficiently Navigate Microsoft Teams Meetings and Applications - Karinne Bessette			
10:45 AM	11:30 AM			Networking Break • Visit th	e EXPO Lounge - Pacifica 7				
11:30 AM	12:30 PM		I	IVE! 360 KEYNOTE: Leader Philip Japikse, Developer		6			
12:30 PM	1:30 PM			Table Top	ics Lunch				
1:30 PM	2:00 PM			Dessert Break • Visit the I	EXPO Lounge - Pacifica 7				
2:00 PM	3:15 PM	TMW07 Enabling Flexible and Azure Vir - Eric D	tual Desktop	TMW08 Getting To Kr - Stacy De		Protection, Detection, a	crosoft at the Core of Your nd Response Capabilities! n Horenbeeck		
3:15 PM	4:00 PM		Networking	Break • Visit the EXPO Lour	nge • Expo Raffle @ 3:30 p.m	Pacifica 7			
4:00 PM	5:15 PM	TMW10 Remove Common Cloud Only Technical Blockers - Nicklas Ahlberg		TMW11 Keeping up with the Microsoft 365 Admin Center - Stacy Deere-Strole		Sentine	the Life of a Microsoft I Analyst I Trent		
7:30 PM	9:00 PM			Live! 360 Dessert Lua	au - Wantilan Pavilion				
START TIME	END TIME			TechMentor Day 3: Thurs	sday, November 17, 2022	2			

Sessions and speakers subject to change.



AGENDA-AT-A-GLANCE (continued)

	d Endpoint gement	PowerShell and DevOps	Infrastructure	Soft Skills for IT Pros	Security	Azure (Public/Hybrid)	"Microsoft 365 – Office Apps" for the IT Pro		
7:30 AM	8:00 AM		Registration • Coffee and Morning Pastries						
8:00 AM	9:15 AM	TMTH01 Protecting from On-Pre - Nestori S	em Attacks	TMTH02 Active Directo - Derek		Graph and	vs 365 Game with Microsoft PowerShell g & Simon Binder		
9:30 AM	10:45 AM	TMTH04 🚺 Using Microsoft Teams as Your SOC War Room - Rod Trent		TMTH05 Be a Better Sp Presentations that Inspir - Erwin I	e and Make People Care	Windows 11 Clie	oting the MEM Managed ent - Deep Dive! & Jörgen Nilsson		
11:00 AM	12:00 PM			TOR PANEL DISCUSSION: iho (Moderators), Derek Melb					
12:00 PM	1:00 PM			Lur	nch				
1:00 PM	2:15 PM	TMTH07 User and the Foundation of <i>J</i> - Nestori S	Azure AD Security	TMTH08 File Management Tips & Tricks with PowerShell - Jeffery Hicks		TMTH09 Windows 11 - How to Get There! - Ronni Pedersen & Jörgen Nilsson			
2:30 PM	3:45 PM	TMTH10 The Silent Scr The Horror that is Acti - Derek	ve Directory Security	TMTH11 True Tips (- Erwin L			of Windows in 75 Minutes i Laiho		
4:00 PM	5:00 PM			Next? Live! 360 Netwo D. Boyd, Andrew Brust, Priscill hotka, Karen Lopez, Ted New	a Camp, Benjamin Day, Coli				
START TIME	END TIME		TechMento	or Post-Conference Work	shops: Friday, Novemb	er 18, 2022			
7:30 AM	8:00 AM		Registration • Coffee and Morning Pastries						
8:00 AM	5:00 PM		TMF01 Workshop:	: Migrating and Upgrading to - Dave Kawula ا		Azure Like the Pros			

Sessions and speakers subject to change.





ORLANDO 2022

ROYAL PACIFIC RESORT AT UNIVERSAL NOVEMBER 13 – 18, 2022

TECHMENTOR SESSION DESCRIPTIONS BY TRACK



FULL DAY HANDS-ON LABS

These instructor-led, pre-conference Hands-On Labs offer attendees intensive in-depth training before the conference officially begins. Take advantage of in-person instruction as well as collaboration with peers.

Attendance for each Hands-On Lab is limited, so be sure to sign up early for these special bring your own laptop pre-conference HOLs.

TMHOL01

Hands-On Lab: Microsoft 365 Security Masterclass

Advanced

MICHAEL VAN HORENBEECK Sunday, November 13, 9:00am - 6:00pm

Do you want to become a master in understanding, designing, deploying, and using Microsoft's latest security products? In this hands-on workshop, Michael will show you the ins and outs of the entire Microsoft 365 Security stack. As an added bonus, we'll see how Microsoft Sentinel can best be used to further enhance your security operations.

You will learn:

- About Microsoft's security product offering
- How to deploy these products
- · Understand when and how to best use which product

Attendee Requirements:

You must provide your own laptop computer (Windows or Mac) for this hands-on lab.

All other laptop requirements will be provided to attendees 2 weeks prior to the conference.



WORKSHOPS

Choose from a wide range of content and topics by expert presenters with TechMentor Orlando's Preand Post-Conference full-day workshops.

TMM01

Workshop: Modern Management -Windows Autopilot and Intune

Intermediate/Advanced

PETRI PAAVOLA

Monday, November 14, 8:30am - 5:30pm

Join Petri's full day workshop on Windows Autopilot and Microsoft Endpoint Manager / Intune management for Windows devices. Workshop will go through necessary settings needed to deploy Windows Autopilot and Intune managed Windows devices successfully to your production environment.

Petri will share his tips and tricks from years of experience working with these technologies. Petri has also created several power user tools to work with Intune management more easily. Petri will share his secret tips to successful PowerShell management for Windows Autopilot and Intune using PowerShell and Graph API.

Petri has done tens of deployments for Autopilot and Intune and has also written Windows Autopilot Deployment Guide. This workshop is all about real life tips and tricks to help you with your Windows Autopilot and Intune journey.

You will learn:

- · How to configure Windows Autopilot
- How to configure Intune (apps and configurations)
- Tips and tricks for working with Autopilot and Intune in a production environment

TMM02

Workshop: Keeping Your Cyber Insurance, and Sanity, in 2022

Introductory / Intermediate

JOHN O'NEILL, SR. Monday, November 14, 8:30am - 5:30pm Executives, Boards of Directors, and Shareholders all agree; Cyber Insurance remains a must have. Unfortunately, insurance carriers are running scared because of all the cyber-threats and attacks causing them to pay claim after claim. Carriers are raising the bar for requirements while decreasing coverage limits. Who's left on the hot seat when an attack happens, and your insurance won't cover it? You, the IT Pro! Don't fret, come to this session and learn proven strategies for keeping Cyber Insurance coverage without breaking the bank from out-of-control premiums.

You will learn:

- Review actual Cyber Insurance policy requirements
- Why carriers don't want to cover cyber-threats
- The top things to do now, preventing compliance
 heartbreak at renewal

TMF01

Hands-On Workshop: Migrating and Upgrading to Windows Server 2022 and Azure Like the Pros

Intermediate

DAVE KAWULA & CRISTAL KAWULA Friday, November 18, 8:00am - 5:00pm

During this Hands on workshop, attendees will learn about Dave's proven methodology for Zero Downtime Windows Server Migrations and Upgrades. Attendees will learn how to Migrate Active Directory, DHCP, DNS, File, Print, IIS to Microsoft latest flagship operating system Windows Server 2022 and Azure

You will learn:

- About upgrading Active Directory DNS DHCP
- About upgrading Infrastructure Roles WSUS and IIS
- About migrating other key roles

Attendee Requirements:

You must provide your own laptop computer (Windows or Mac) for this hands-on lab.

All other laptop requirements will be provided to attendees 2 weeks prior to the conference.







ROYAL PACIFIC RESORT AT UNIVERSAL NOVEMBER 13 – 18, 2022

TECHMENTOR SESSION DESCRIPTIONS BY TRACK (continued)

CLIENT AND ENDPOINT MANAGEMENT

As apps are moving to the cloud more than ever, you still need to support, upgrade, migrate, and troubleshoot all of the endpoints to use those apps. This year at TechMentor, we are hosting a new lineup of client-centric sessions from expert speakers on Windows, Android, MacOSX and IOs devices. We also give focus on a new area that needs it: Microsoft Endpoint Manager troubleshooting.

TMT07

Fast Focus: Mac Management on Intune: More Than "Good Enough"

Introductory

ÉMILE CABOT

Tuesday, November 15, 2:00 - 2:20pm

You will learn:

- Understand what's required to manage Macintosh devices in the enterprise
- How Intune has been updated to ease Mac management
- What's new for Mac management in Intune

TMT09

How to Use PowerShell to Become a Windows and Cloud Management Superhero - 2022 Edition

Advanced

PETRI PAAVOLA Tuesday, November 15, 2:45 - 4:00pm

You will learn:

- Advanced PowerShell object manipulation and techniques, base of everything we do with PowerShell
- How to work with the data when debugging scripts
- See real life examples and ideas which you can use back at work

TMT12

Demystifying Co-Management, CMG, Autopilot and Cloud Attach

Introductory

ÉMILE CABOT

Tuesday, November 15, 4:15 - 5:30pm

You will learn:

- · About the requirements and functionality behind the CMG
- About the options available through Intune and when they are useful
- Understand the differences between the features available through Co-Management and the CMG

TMW05

Windows 11 OSD: The Saga Continues...

Introductory/Intermediate

ÉMILE CABOT

Wednesday, November 16, 9:30 - 10:45am

You will learn:

- How to properly create an MDT-Integrated Task Sequence in MEM
- Understand how to use the default sequences and configure the underlying components
- About the free products available to assist with the hardest part of building OSD Sequence

TMTH06

Troubleshooting the MEM Managed Windows 11 Client - Deep Dive!

Advanced

RONNI PEDERSEN & JÖRGEN NILSSON Thursday, November 17, 9:30 - 10:45am

You will learn:

- How to troubleshoot a MEM managed Windows client.
- Covers real-word examples and notes from the fields
- Dive deep into the nuts and bolts of these scenarios through the tools of troubleshooting.

TMTH09

Windows 11 - How to Get There!

Advanced

RONNI PEDERSEN & JÖRGEN NILSSON Thursday, November 17, 1:00 - 2:15pm

You will learn:

- Manage Windows 11 Customizations
- Upgrade scenarios and Feature Updates
- Manage and Monitor Upgrades

TMTH12

75 Life Hacks of Windows in 75 Minutes

Intermediate

SAMI LAIHO

Thursday, November 17, 2:30 - 3:45pm

You will learn:

- The hidden Easter eggs of Windows
- How to make your life easier with Windows
- How to save time on common tasks

"THE CONFERENCE WAS GREAT AT AFFIRMING MY UNDERSTANDING OF CURRENT TECHNOLOGIES."

- 2021 Live! 360 Conference Attendee







ROYAL PACIFIC RESORT AT UNIVERSAL NOVEMBER 13 – 18, 2022

TECHMENTOR SESSION DESCRIPTIONS BY TRACK (continued)

POWERSHELL AND DEVOPS

Whether you are a PowerShell junkie or a newbie, TechMentor is bringing everything PowerShell, automation, and the DSC to you as part of the new DevOps approach to things. Sessions in this track will focus on the tools and techniques you need to succeed. With PowerShell as the only required management interface for future Microsoft products, it is imperative that you can keep up! The new server management tool Windows Admin Center runs only PowerShell scripts behind the GUI, so this knowledge is imperative even to all GUI lovers.

TMT02

Making PowerShell Do More with Less Work

Intermediate / Advanced

JEFFERY HICKS

Tuesday, November 15, 9:15 - 10:30am

You will learn:

- How to leverage PSDefaultParameter values
- How any why to create proxy functions
- How to extend an object in PowerShell

TMT04

Fast Focus: Hot Features in PowerShell 7

Introductory

JEFFERY HICKS Tuesday, November 15, 1:30 - 1:50pm

You will learn:

- · How to use PSStyle
- How to get the mose from PSReadline
- PowerShell 7-only features

TMW01

Who's Afraid of PowerShell Security? Introduction to Securing Your Environment

Intermediate

MICHAEL WILEY

Wednesday, November 16, 8:00 - 9:15am

You will learn:

- Explore the myths and realities of PowerShell execution policies
- Discover the layers of security that can be employed without hampering PowerShell's automation capabilities
- Understand how to control remoting and other "scary"
 aspects of PowerShell

TMTH03

Up Your Windows 365 Game with Microsoft Graph and PowerShell

Intermediate

NICKLAS AHLBERG & SIMON BINDER Thursday, November 17, 8:00 - 9:15am

You will learn:

- How to use MEM to manage Windows 365
- How to optimize the user experience, get as far as possible with as little effort as possible
- How to automate common administrative tasks, allowing us to focus on non-repetitive activities

TMTH08

File Management Tips & Tricks with PowerShell

Intermediate/Advanced

JEFFERY HICKS

Thursday, November 17, 1:00 - 2:15am

You will learn:

- File and folder management changes in PowerShell 7
- How to create utilization reports
- How to create system and hard links.

INFRASTRUCTURE

TechMentor's Infrastructure track covers the services that make the server, client, mobile, application, and services work together in an IT environment. Expert instructors are coming together to discuss today's hot topics such as Server 2016/2019/2022 network services, Certificate Services, Network Troubleshooting, Group Policy, and more.

TMF01

Hands-On Workshop: Migrating and Upgrading to Windows Server 2022 and Azure Like the Pros

Intermediate

DAVE KAWULA & CRISTAL KAWULA Friday, November 18, 8:00am - 5:00pm

You will learn:

- About upgrading Active Directory DNS DHCP
- About upgrading Infrastructure Roles WSUS and IIS
- About migrating other key roles

SOFT SKILLS FOR ITPROS

Becoming a successful IT Pro requires more than just technology skills, so let TechMentor guide you with informative sessions offering basic career and communication skills to help you reach the next level. This track focuses on simple presentation skills, how to sell ideas to your boss, documentation, and more.



TECHMENTOR



ORLANDO 2022

ROYAL PACIFIC RESORT AT UNIVERSAL NOVEMBER 13 – 18, 2022

TECHMENTOR SESSION DESCRIPTIONS BY TRACK (continued)

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How to Stay Sane Keeping Up to Date in an Evergreen Cloud as an IT Pro

Introductory / Intermediate

STÅLE HANSEN

Tuesday, Novmeber 15, 1:30 PM - 2:20 PM

You will learn:

- How to get updates when roadmap and docs articles gets updated
- Learn about the philosophy of the stash zone
- How to procrastinate like a PRO

TMT13

Overcoming the Fear of Public Speaking: Tips to Help Boost Your Career and Profile

Intermediate

CRISTAL KAWULA

Tuesday, November 15, 4:15 – 5:30pm

You will learn:

- How to overcome your fear of public speaking
- Tips for preparing to speak in public
- Real world examples of high pressure speaking and how to succeed and perform like a pro

TMTH05

Be a Better Speaker: 4 Steps to Create Presentations that Inspire and Make People Care

Intermediate

ERWIN DERKSEN Thursday, November 17, 9:30 – 10:45am

You will learn:

- · How to structure and prepare a presentation idea
- How to create good slides
- How to deliver with confidence

TMTH11

True Tips on Microsoft Teams

Intermediate / Advanced ERWIN DERKSEN Thursday, November 17, 2:30 – 3:45pm

You will learn:

- How to achieve a solid Teams implementation
- Technical tips and tricks
- Governance and security guidelines

SECURITY

In 2022 the world changed with the Ukrainians being attacked by Russia. An unforeseen cyberwar started at the same time. As threats continue to evolve, it is important to keep up with the latest in security such as securing window clients, protecting against ransomware, forensics, blocking malware, and monitoring, as well as exploring ways that attackers try to beat your best security measures. Explore this track to learn what you need to do to keep safe in these new times, and get some knowledge on your cybersecurity insurances.

TMT03

Surviving Ransomware Attacks with Microsoft 365 Defender

Introductory / Intermediate

JOHN O'NEILL, SR. & DAVE KAWULA Tuesday, November 15, 9:15 - 10:30am

You will learn:

- Overview of the Microsoft 365 Defender protection architecture
- Turn ransomware thunder into a squeak
- Key settings to turn on; and a few to leave off

TMT05

Fast Focus: Cyber Security Awareness for the C-Suite

Introductory

JOHN O'NEILL, SR.

Tuesday, November 15, 1:30 - 1:50pm

You will learn:

- Why the C-Suite is like candy for cyber criminals
- How executives are held accountable for cyber risk
- What to do when the top is targeted

TMT10

Lock the Doors, Secure the Valuables, and Set the Alarm

Introductory / Intermediate

ERIC D. BOYD

Tuesday, November 15, 2:45 - 4:00pm

You will learn:

- How to secure your Azure network and communications
- How to protect your data in Azure
- How to monitor and manage your security posture in Azure

TMT11

PKI - Avoiding Common Pitfalls

Intermediate

RICK DAVIS

Tuesday, November 15, 4:15 - 5:30pm

You will learn:

- To avoid common misconfigurations and security issues with ADCS/PKI
- To improve ADCS/PKI infrastructure
- To better secure and monitor ADCS/PKI

TMW02

Best Practices for Building Network Sustainability and Security Protocols

Introductory / Intermediate OMAR VALERIO Wednesday, November 16, 8:00 - 9:15am



TECHMENTOR



ORLANDO 2022

ROYAL PACIFIC RESORT AT UNIVERSAL NOVEMBER 13 – 18, 2022

TECHMENTOR SESSION DESCRIPTIONS BY TRACK (continued)

You will learn:

- Better understanding of your Infrastructure
- Be able to start developing a Cybersecurity Assessment
- Understanding of Policies and different types of malware

TMW03

Zero Admins - Zero Problems

Intermediate

SAMI LAIHO

Wednesday, November 16, 8:00 - 9:15am

You will learn:

- How to remote end-user admin rights without affecting productivity
- How to reduce service desk tickets up to 75% and reimagining up to 60%
- Why there is no security in Windows if you logon as an admin

TMW09

Red vs. Blue: Microsoft at the Core of Your Protection, Detection, and Response Capabilities!

Advanced

MICHAEL VAN HORENBEECK Wednesday, November 16, 2:00 - 3:15pm

You will learn:

- About common attack scenarios
- About Microsoft's security products
- How to become a better Blue Teamer

TMW12

A Day in the Life of a Microsoft Sentinel Analyst

Advanced

ROD TRENT

Wednesday, November 16, 4:00 - 5:15pm

You will learn:

- How to build a process for managing security tasks daily, weekly, and monthly
- About assigning proper duties to the right skillsets
- How to use Microsoft Sentinel effectively and efficiently to protect the environment from attack

TMTH01

Protecting Azure AD and M365 from On-Prem Attacks

Advanced

NESTORI SYYNIMAA

Thursday, November 17, 8:00 - 9:15am

You will learn:

- On-prem attack paths often used by the adversaries
- Understand available security options to protect your cloud from on-prem attacks
- Understand available post-breach remediations to keep your business running

TMTH02

Active Directory Security Master Class

Intermediate

DEREK MELBER

Thursday, November 17, 8:00 - 9:15am

Join Derek for this session on all things AD and AD security. So many forget that many moving parts of AD are security related, which is key to understanding how to secure it. We will go into topics such as FSMOs, trusts, replication, immediate replication... then dive into all objects (users, groups, computers) and discuss the attributes that are essential when trying to secure AD.

TMTH04

Using Microsoft Teams as Your SOC War Room

Advanced

ROD TRENT

Thursday, November 17, 9:30 - 10:45am

You will learn:

- Use Microsoft Teams as a central repository for threat collateral
- Enable Teams channel for access by in-time individuals
- Assign proper duties to the correct skillsets

TMTH07

User and Device Identities – the Foundation of Azure AD Security

Advanced

NESTORI SYYNIMAA

Thursday, November 17, 1:00 - 2:15pm

You will learn:

- Understand the user and device identities in Azure AD
- Understand the weak points of identities and how to
- compromise themBest practices to protect your Azure AD identities

TMTH10

The Silent Scream of Every Network: The Horror that is Active Directory Security

Intermediate / Advanced

DEREK MELBER

Thursday, November 17, 2:30 - 3:45pm

You will learn:

- About prioritizing Active Directory security
- How to gather and analyze data from Active Directory
- Understanding configuration options and security consequences

AZURE (PUBLIC/HYBRID)

This track brings real-world discussions on the cloud to you as you are using it: hybrid, connected, private, and absolutely real. Let TechMentor bring you everything from the on-site Azure Stack to everything in the Cloud, including Azure IaaS, DevOps, Labs, Networking, Scripting, and Automation.



TECHMENTOR



ORLANDO 2022

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TECHMENTOR SESSION DESCRIPTIONS BY TRACK (continued)

TMT01

Migrating Windows Apps (and your IT skills) to Windows Containers on Azure

Intermediate

VINICIUS APOLINARIO

Tuesday, November 15, 9:15 - 10:30am

You will learn:

- What containers are and why IT should learn about it
- How to migrate Windows applications to containers
- How to manage containers on Azure

TMT06

Fast Focus: 7 Key Tips for Microsoft in Education

Introductory / Intermediate

OMAR VALERIO

Tuesday, November 15, 2:00 - 2:20pm

You will learn:

- You will learn how to become an MIEE
- How to become a Microsoft Incubator or Showcase School
- How to take free courses and get certified

TMW07

Enabling Flexible Work with Windows 365 and Azure Virtual Desktop

Introductory / Intermediate

ERIC D. BOYD

Wednesday, November 16, 2:00 - 3:15pm

You will learn:

- Overview of Azure Virtual Desktop and Windows 365
- How to setup your Azure environment AVD and W365 success
- How to deploy, manage, and optimize AVD and W365

TMW10

Remove Common Cloud Only Technical Blockers

Intermediate NICKLAS AHLBERG Wednesday, November 16, 4:00 - 5:15pm

You will learn:

- Overview hybrid vs. cloud only
- Transition from GPO's to MDM-policies
- Use MS Graph to automate some of your daily tasks

"MICROSOFT 365 – OFFICE APPS" FOR THE IT PRO

Almost all IT Pros are experienced in managing and supporting Microsoft 365 / Office 365. This track will provide you with the up-to-date skills needed to manage, secure, and troubleshoot all aspects of the Microsoft/Office 365 as an administrator. Check out informative sessions on deploying Office ProPlus/2019, managing Android and IoS, and more.

TMT08

Customize Microsoft Teams to our Environment

Introductory/Intermediate

KARINNE BESSETTE

Tuesday, November 15, 2:45 - 4:00pm

You will learn:

- How to navigate the Microsoft Teams Admin Center
- About leveraging Microsoft Teams Applications Beyond
- the Defaults

 How to manage Microsoft Teams Effectively for Adoption

TMW04

Microsoft Teams Tips, Tricks and Hidden Features

Intermediate

STEPHEN ROSE

Wednesday, November 16, 9:30 - 10:45am

Join Inside Microsoft Teams host Stephen Rose for this top requested session, Microsoft Teams Tips, Trick and Best Practices. In this session we will share new features, demo features that you may not have seen before and share best practices from our customers all while answering your questions live during the session. Make sure to join us live for this session. Want to share your question in advance? Send it to info@imt.com to be considered for this session!

TMW06

How to Efficiently Navigate Microsoft Teams Meetings and Applications

Introductory/Intermediate

KARINNE BESSETTE

Wednesday, November 16, 9:30 - 10:45pm

You will learn:

- Ways to get more out of Microsoft Teams Meetings
- Key collaborative applications to use in Microsoft Teams meetings
- How to improve work life and time management with Microsoft Teams

TMW08

Getting To Know M365 From A to Z

Intermediate

STACY DEERE-STROLE

Wednesday, November 16, 2:00 - 3:15pm

You will learn:

- About getting to know the Apps in Microsoft 365
- How to use the Apps
- About App Integration

TMW11

Keeping up with the Microsoft 365 Admin Center

Intermediate

STACY DEERE-STROLE

Wednesday, November 16, 4:00 - 5:15pm

You will learn:

- About getting up to speed on the latest and greatest features & functionality
- About Usage & Analytics, are you using it? If not, why? Let's get you on the right path
- About Security Implications Let's make sure your safe







ORLANDO 2022

ROYAL PACIFIC RESORT AT UNIVERSAL NOVEMBER 13 - 18, 2022

TECHMENTOR SPEAKERS

CONFERENCE CHAIRS

Sami Laiho



Truesec TechMentor Conference Co-Chair

Chief Research Officer,



Rick Davis

Microsoft

Sr. CE Cybersecurity,

Dave Kawula Principal Consultant, TriCon Elite Consulting

TechMentor Conference Co-Chair

SPEAKERS



Nicklas Ahlberg Senior System Engineer at Cygate AB



Vinicius Apolinario Senior Cloud Advocate, Microsoft





Karinne Bessette Technologist, Product Strategy Team, Veeam



Simon Binder Digital Workplace Architect @ Cygate



Eric D. Boyd Founder and CEO.





Cristal Kawula President, TriCon Elite Consulting

Ståle Hansen

CEO and Principal

& RD, CloudWay

Cloud Architect, MVP

Stacy Deere-Strole Solutions Architect



Erwin Derksen PositionCompany



Onevinn -

Microsoft

Lawrence Novak

John O'Neill, Sr.

AWS Solutions

Chief Technologist,

Senior Consultant.

Dave Kawula

TriCon Elite

Consulting

Sami Laiho

Chief Research

Officer, Truesec

Principal Consultant,

Chief Technology and Security Strategist





Rod Trent Senior Cloud Security Advocate and Global Microsoft Sentinel SME. Microsoft

Petri Paavola

Yodamiitti Oy

Ronni Pedersen

Stephen Rose

Microsoft Teams

Nestori Syynimaa

Security Researcher,

Senior Principal

Secureworks

APENTO

Enterprise Mobility,

Sr. Product Manager,



Omar Valerio CIO/CTO/IT Director. Westminster Christian School



Michael Wiley Senior Customer













ORLANDO 2022

ROYAL PACIFIC RESORT AT UNIVERSAL NOVEMBER 13 – 18, 2022

Artificial Intelligence (VE) AI FOR DEVELOPERS AND DATA SCIENTISTS



AGENDA-AT-A-GLANCE

Prog	ramming	Analytics	Cloud ML Platforms	Intelligent Apps	Data Science	Internet of Things				
START TIME	END TIME	Artificial Intelligence Live! Pre-Conference Hands-On Labs: Sunday, November 13, 2022								
7:30 AM	9:00 AM		Registr	ration • Coffee and Morning Pastri	es					
9:00 AM	6:00 PM			ling Modern Bot Experiences with rian Randell and Mickey Gousset	Azure Cognitive Services					
2:00 PM	7:00 PM		Pre-Conference Reg	istration - Royal Pacific Resort Co	nference Center					
START TIME	END TIME	Ar	rtificial Intelligence Live! Pre	-Conference Workshops: Mo	nday, November 14, 2022					
7:00 AM	8:30 AM		Registr	ration • Coffee and Morning Pastri	es					
9:00 AM	6:00 PM			n Workshop: Microsoft Azure Al Fu • Carey Payette & Lino Tadros	undamentals					
2:00 PM	7:00 PM		Mix & Mingle @ Live! 3	360 @ Hard Rock Café Universal C	tityWalk - 7:00pm					
START TIME	END TIME		Artificial Intelligen	ce Live! Day 1: Tuesday, Nove	ember 15, 2022					
7:00 AM	8:00 AM		Registr	ration • Coffee and Morning Pastri	es					
8:00 AM	9:00 AM			! & SQL SERVER LIVE! KEYNOTE Woody, Applied Data Scientist, Az		oft				
9:15 AM	10:30 AM		AIT01 Predicti	ng the Future using Azure Machin - Eric D. Boyd	e Learning					
10:30 AM	11:00 AM		Networking I	Break • Visit the EXPO Lounge - Pe	acifica 7					
11:00 AM	12:00 PM			KEYNOTE: Code to Cloud in Mir ogram Manager, Developer Experi						
12:00 PM	12:45 PM		Lunch • Visit the	EXPO Lounge - Pacifica 7 & Prom	enade Deck					
12:45 PM	1:30 PM		Dessert Br	eak • Visit the EXPO Lounge - Pac	ifica 7					
1:30 PM	1:50 PM		AITO2 Fast Focus: GitHub Copilot in 20 minutes - Brian Randell							
2:00 PM	2:20 PM	AITO:	AIT03 Fast Focus: Battle Royale - Microsoft Bot Framework Vs Power Virtual Agents (No Code Chatbots) - Prashant G Bhoyar							

Sessions and speakers subject to change.



AGENDA-AT-A-GLANCE (continued)

Programming		Analytics	Cloud ML Platforms	Intelligent Apps	Data Science	Internet of Things				
START TIME	END TIME	Artificial Intelligence Live! Day 1: Tuesday, November 15, 2022 (Continued)								
2:20 PM	2:45 PM		Networking	Break • Visit the EXPO Lounge - P	acifica 7					
2:45 PM	4:00 PM		АІТО4 🗖 М	aking Sense of Unstructured Data - Henk Boelman	with Al					
4:15 PM	5:30 PM		AIT05 B	usy .NET Developer's Guide to Py - Ted Neward	thon					
5:30 PM	7:00 PM		Exhibi	itor Welcome Reception - Pacifica	7					
START TIME	END TIME		Artificial Intelligence	e Live! Day 2: Wednesday, No	vember 16, 2022					
7:30 AM	8:00 AM		Registration • Coffee and Morning Pastries							
8:00 AM	9:15 AM		AIW01 Using Azure IoT Central to Form a Basis for Your IoT Solutions - Carey Payette							
9:30 AM	10:45 AM		AIWO2 Bu	ild Great Software Using GitHub C - Brian Randell	Copilot					
10:45 AM	11:30 AM		Networking	Break • Visit the EXPO Lounge - P	acifica 7					
11:30 AM	12:30 PM			(NOTE: Leadership Is a Journey - ikse, Developer, Coach, Author, Te						
12:30 PM	1:30 PM			Table Topics Lunch						
1:30 PM	2:00 PM		Dessert Br	eak • Visit the EXPO Lounge - Pac	ifica 7					
2:00 PM	3:15 PM		AIW03 🖪 Build and D	eploy PyTorch Models with Azure - Henk Boelman	Machine Learning					
3:15 PM	4:00 PM		Networking Break • Visit	the EXPO Lounge • Expo Raffle @	3:30 p.m Pacifica 7					
4:00 PM	5:15 PM		AIW04 Bot Composer: A New Way of Creating Smart Bots - Veronika Kolesnikova							
7:30 PM	9:00 PM		Live! 3	60 Dessert Luau - Wantilan Pavilio	on					

Sessions and speakers subject to change.



AGENDA-AT-A-GLANCE (continued)

Programming 4		Analytics	Cloud ML Platforms	Intelligent Apps	Data Science	Internet of Things			
START TIME	END TIME	Artificial Intelligence Live! Day 3: Thursday, November 17, 2022							
7:30 AM	8:00 AM		Registr	ation • Coffee and Morning Pastri	es				
8:00 AM	9:15 AM			AITH01 Al in Power Bl - Priscilla Camp					
9:30 AM	10:45 AM		AITH02 Experimen	nts with Language Processing Ne - Andreas Erben	ural Networks				
11:00 AM	12:00 PM	ARTIFICIAL INTELLIGENCE LIVE! PANEL DISCUSSION: Responsible AI: Is There Such a Thing? Brian Randell (moderator), Prashant G Bhoyar, Priscilla Camp, & Andreas Erben							
12:00 PM	1:00 PM			Lunch					
1:00 PM	2:15 PM		AITHO3 Ar	tificial Intelligence and Common - Bill Ayers	Sense				
2:30 PM	3:45 PM		AITH04	Azure Cognitive Services at the E - Bill Ayers	dge				
4:00 PM	5:00 PM		Next? Live! 360 Networking Event - Pacifica 7 Bill Ayers, Bradley Ball, Prashant G Bhoyar, Eric D. Boyd, Andrew Brust, Priscilla Camp, Benjamin Day, Colin Dembovsky, Angela Dugan, Allan Hirt, Veronika Kolesnikova, Sami Laiho, Thomas LaRock, Rockford Lhotka, Karen Lopez, Ted Neward, Jörgen Nielsen, Ronni Pedersen, Nestori Syynimaa, & Geert van der Cruijsen						
START TIME	END TIME	A	rtificial Intelligence Live! Pos	st-Conference Workshops: F	riday, November 18, 2022				
7:30 AM	8:00 AM		Registration • Coffee and Morning Pastries						
8:00 AM	5:00 PM	AIF01 Hands-On Workshop: Azure Al Master Class - Prashant G Bhoyar							

Sessions and speakers subject to change.



ARTIFICIAL INTELLIGENCE LIVE! SESSION DESCRIPTIONS BY TRACK



FULL DAY HANDS-ON LABS

This instructor-led, pre-conference Hands-On Lab offer attendees intensive in-depth training before the conference officially begins. Take advantage of in-person instruction as well as collaboration with peers.

Attendance for each Hands-On Lab is limited, so be sure to sign up early for these special bring your own laptop pre-conference HOLs.

AIHOL01

Hands-On Lab: Building Modern Bot Experiences with Azure Cognitive Services

Intermediate

BRIAN RANDELL AND MICKEY GOUSSET Sunday, November 13, 9:00am – 6:00pm

Every day it seems AI becomes more pervasive. From our smart phones to our smart homes, cars, and offices, AI is everywhere. While much of the AI world is hidden behind the scenes, bots supporting "conversational AI" are now easier than ever to build and deploy when you use the Microsoft Bot Framework and Azure Cognitive Services.

In this hands-on workshop, you'll learn the core skills needed to build engaging conversational applications powered by Microsoft modern stack of tools running on Microsoft Azure. Brian and Mickey will show you (and then better yet you'll do it) how to create a bot, protect your code with GitHub, and deploy your bot to Microsoft Azure using GitHub Actions. You'll get exposed to the core tools and SDKs including the Microsoft Power Virtual Agents and the Bot Framework Composer.

Because bots are a type of user experience, you'll learn how to model your conversations, integrate with other systems, and how to expose your bot's "UI' using various containers like the web control and Microsoft Teams.

Grab your laptop and come join us for the day as you take the next step in delivering value to your end-users.

You will learn:

What is Microsoft's Conversational Al platform

- How to build a bot using C# and the Microsoft Bot Framework
- How to deploy your bot to Azure using GitHub Actions



Choose from a wide range of content and topics by expert presenters with Artificial Intelligence Live! Orlando's Pre- and Post-Conference full-day workshops.

AIM01

Hands-On Workshop: Microsoft Azure AI Fundamentals

Introductory

CAREY PAYETTE & LINO TADROS Monday, November 14, 8:30am - 5:30pm

Join us for an introductory overview of Azure AI services. This workshop consists of lectures, activities, and hands-on labs to become familiar with all the requisite knowledge to take the AI-900 exam. This workshop is fun and interactive.

We'll kick off the day with a gentle introduction to Artificial Intelligence, the principles for responsible AI, and look at some interesting applications of AI in the world.

Next, we'll venture on Machine Learning and the different types of algorithms available that will help you gain insights into your data.

Finally, we'll dive into the world of Azure AI services and learn about Computer Vision, Natural Language Processing, and Conversational AI services.

You will learn:

- Artificial Intelligence and the Principles of Responsible AI
- Hands-on experience working through labs
- The requirements of the AI-900 certification exam

Attendee Requirements:

You must provide your own laptop computer (Windows or Mac) for this hands-on workshop with internet access and an Azure account (trial is ok).

AIF01

Hands-On Workshop: Azure Al Master Class

Intermediate PRASHANT G BHOYAR Friday, November 18, 8:00am - 5:00pm

Artificial Intelligence and Machine Learning are the new buzzwords in the industry. Microsoft's vision is to make AI accessible to every enterprise, data scientist, developer, information worker, consumer and device everywhere in the world.

Al has a big role to play in the enterprise space and it is progressing rapidly. Without understanding the concepts behind these advanced technologies, developers and administrators will struggle to evaluate the potential impact of new tools and solutions.

Microsoft Cognitive Services let you build apps with powerful algorithms to see, hear, speak, understand and interpret our needs using natural methods of communication, with just a few lines of code. Easily add intelligent features – such as emotion and sentiment detection, vision and speech recognition, language understanding, knowledge, and search – into your app, across devices and platforms such as iOS, Android, and Windows, keep improving and are easy to set up. Containerization lets developers build big AI systems that run at scale, reliably, and consistently in a way that supports better data governance.

In this full-day workshop, we will cover the following topics in detail:

- Cognitive Services
- Azure Applied Al
- Conversational AI
- Cognitive Services in Containers
- Cognitive Services: Language
- Cognitive Services: Speech
- Cognitive Services: Vision
- Cognitive Services: Web Search
- Cognitive Services Best Practices
- Cognitive Services Billing
- · How to create enterprise grade applications using Azure AI

At the end of the workshop, attendees will have a working knowledge of the Azure AI and how to use it to implement the enterprise-grade intelligent applications.



Artificial Intelligence (LIVE)

NOVEMBER 13 - 18, 2022

ARTIFICIAL INTELLIGENCE LIVE! SESSION DESCRIPTIONS BY TRACK (continued)

Access to Azure, Microsoft 365, SharePoint online site, and Microsoft Team will be provided to create enterprise-grade intelligent applications. The target audience of this hands-on workshop is Developers and Power Users and IT Pros who want to get into the development.

You will learn:

- How to create enterprise grade intelligent applications using Azure Al
- How to create enterprise grade Bots using Conversational AI
- Cognitive Services Best Practices

Attendee Requirements:

You must provide your own laptop computer (Windows or Mac) for this hands-on workshop with internet access and modern browsers like Microsoft Edge, Google Chrome, Firefox, Safari. The tablets will not work.

All other laptop requirements will be provided to attendees 2 weeks prior to the conference.

PROGRAMMING

Artificial Intelligence is changing how you build apps. Technologies like advanced machine learning, natural language processing, and more, mean you can build truly "smart apps". With today's accelerated development cycles, you need to be ready to build the next generation of self-learning applications. In this track, you'll find talks on Github Copilot and Python, and an Azure AI master class workshop.

AIT02

Fast Focus: GitHub Copilot in 20 Minutes

Introductory BRIAN RANDELL

Tuesday, November 15, 1:30 – 1:50pm

You will learn:

- What is GitHub Copilot
- How much it will cost to use it
- See examples of GitHub Copilot in use

AIT05

Busy .NET Developer's Guide to Python

Intermediate
TED NEWARD

Tuesday, November 15, 4:15 - 5:30pm

You will learn:

- Learn the basics of Python
- Recognize how to use Python in a variety of scenarios
- · See when and where to use Python

AIW02

Build Great Software Using GitHub Copilot

Intermediate BRIAN RANDELL Wednesday, November 16, 9:30 - 10:45am

You will learn:

- What is GitHub Copilot
- How much it will cost to use it
- See examples of GitHub Copilot in use

ANALYTICS

Al and Bl go together, and not just because they're similar acronyms! Al entails predictive analytics and Bl covers descriptive analytics. Put the two together and you've got a powerful combination that uses all the data you've collected for competitive advantage. In this track you'll find a great session on using Al in Power Bl.

AITH01

Al in Power Bl

Intermediate

PRISCILLA CAMP

Thursday, November 17, 8:00 - 9:15am

You will learn:

- To understand Power BI AI features
- To understand the types of AI
- To understand how to use Natural Language Processing
- in Power Bl

"I LOVE THE OPPORTUNITIES TO HEAR AND LEARN ABOUT TOPICS, AND THEN SPEAK WITH THE PRESENTERS ABOUT ANY DESIRED CLARIFICATIONS AND QUESTIONS. THE ACCESSIBILITY OF THE PRESENTERS IS AWESOME!"

- Christian Eaton, 2021 Live! 360 Conference Attendee

ARTIFICIAL INTELLIGENCE LIVE! SESSION DESCRIPTIONS BY TRACK (continued)

CLOUD ML PLATFORMS

IVF

TECH EVENTS WITH PERSPECTIVE

While many people will argue that self-hosting solutions can still make sense in 2022, one area that vendors like Microsoft, Google, and more have proved is that they have the scale of the cloud to make Machine Learning a relazity and to democratize it for the rest of us.

In this track you find sessions on Azure Machine Learning, PyTorch, Bot Composer, and language processing neural networks, as well as a workshop on Azure AI Fundamentals.

AIT01

Predicting the Future Using Azure Machine Learning

Introductory / Intermediate

ERIC D. BOYD Tuesday, November 15, 9:15 - 10:30am

You will learn:

- Overview of Azure Machine Learning
- About getting started developing ML models in Azure Machine Learning
- How to integrate Azure Machine Learning models into your applications

AIW03

Build and Deploy PyTorch Models with Azure Machine Learning

Intermediate

HENK BOELMAN

Wednesday, November 16, 2:00 - 3:15pm

You will learn:

- Everyone who wants to learn how to train PyTorch models with Azure Machine Learning and run them in production
 How to run PyTorch on Azure Machine Learning
- About the Azure Al Platform
- About the Azure Al Platform

AIW04

Bot Composer: A New Way of Creating Smart Bots

Introductory / Intermediate

VERONIKA KOLESNIKOVA

Wednesday, November 16, 4:00 - 5:15pm

You will learn:

- About Azure usage for bot management and deployment
- About the structure of a well-architected bot
- Practical knowledge about creating bots using the Bot Composer

AITH02

Experiments with Language Processing Neural Networks

Intermediate
ANDREAS ERBAN

Thursday, November 17, 9:30 - 10:45am

You will learn:

- About language processing neural networks
- Understand what OpenAI and similar networks can do
- See the opportunities and risks of this technology in action

INTELLIGENT APPS

Intelligent Apps can mean many things. One major area is chat bots. Chat bots are a new UI that your customers are ready to use. Just as building a Windows UI is different from building a Web UI, building good chat bots requires thought and planning. You then have vendors providing frameworks to make it easy to build and host your bots whether their focused-on commerce, the Enterprise, IoT, or just information. In this track you'll find sessions on Microsoft Bot Framework vs. Power Virtual Agents and making sense of unstructured data with AI, and a hands-on lab on building modern bot experiences with Azure Cognitive Services.

AIT03

Fast Focus: Battle Royale - Microsoft Bot Framework Vs Power Virtual Agents (No Code Chatbots)

Advanced

PRASHANT G BHOYAR

Tuesday, November 15, 2:00 - 2:20pm

You will learn:

- Key differences between Microsoft Bot Framework and Power Virtual Agents (No Code Chatbots)
- How to call custom Bots built using Microsoft Bot Framework from Power Virtual Agents using Bot Framework Skills
- Best Practices of Microsoft Bot Framework and Power Virtual Agents (No Code Chatbots)

AIT04

Making Sense of Unstructured Data with AI

Intermediate

HENK BOELMAN

Tuesday, November 15, 2:45 - 4:00pm

You will learn:

- About Azure Cognitive Search
- About Ingest-enrich-explore pattern
- How to create custom AI skills for Azure Cognitive Search

"I ENJOYED THE NETWORKING AND ENGAGEMENT WITH SPEAKERS."

- 2021 Live! 360 Conference Attendee

ARTIFICIAL INTELLIGENCE LIVE! SESSION DESCRIPTIONS BY TRACK (continued)

DATA SCIENCE

IVE!

TECH EVENTS WITH PERSPECTIVE

The Data Science track is central to the whole conference. This subject matter covers the practicalities of predictive analytics, the mechanics of using pre-trained predictive models and strategies for making it all work in production. This track contains sessions on Artificial Intelligence and Common Sense and using Azure Cognitive Services at the edge.

Artificial Intelligence (LIVE)

AITH03

Artificial Intelligence and Common Sense

Intermediate/Advanced

BILL AYERS

Thursday, November 17, 1:00 - 2:15pm

You will learn:

- How to visualize neural networks using libraries like TensorFlow and PyTorch
- How pre-trained neural networks can be adapted to new applications using Transfer Learning
- How to build custom AI models using Azure Cognitive Services

AITH04

Azure Cognitive Services at the Edge

Intermediate

BILL AYERS

Thursday, November 17, 2:30 - 3:45pm

You will learn:

- How to deploy Azure Cognitive Services as containers
- How to use Azure IoT Hub to manage devices
- How to export a Custom Vision model to a device

INTERNET OF THINGS

When you think about AI, you often think about devices and how they enhance the experience and feeds the data lakes. With billions of physical devices out there, the Internet of Things (IoT) promises to a critical area for many companies. In this track you'll find a great session on using Azure IoT Central for your IoT solutions.

AIW01

Using Azure IoT Central to Form a Basis for Your IoT Solutions

Intermediate CAREY PAYETTE Wednesday, November 16, 8:00 - 9:15am

You will learn:

- About the advantages of an IoT Central Solution
- How to extend IoT Central
- When to choose IoT Central vs. starting from scratch





"SPEAKERS ARE AWESOME AND HAVING ACCESS TO THEM IS VERY USEFUL."

– Bronn Salmon, 2021 Live! 360 Conference Attendee





ARTIFICIAL INTELLIGENCE LIVE! SPEAKERS

CONFERENCE CHAIRS



Andrew Brust CEO and Founder, Blue Badge Insights Artificial Intelligence Live! Conference Co-Chair



Product Marketing Director,

Artificial Intelligence Live! Conference Co-Chair

SPEAKERS



Bill Ayers Consultant Developer / Solution Architect



Priscilla Camp

Manager,



Prashant G Bhoyar Senior Solution Architect, WithumSmith+Brown



Henk Boelman Cloud Advocate, Microsoft



Eric D. Boyd Founder and CEO,





Date Warehouse Systems



Carey Payette Senior Software Engineer, Trillium Innovations



Brian Randell Product Marketing Director,

Veronika Kolesnikova

Senior Software Engineer



Lino Tadros Technical Fellow



Buck Woody Applied Data Scientist, Azure Data Services team, Microsoft











ORLANDO 2022

ROYAL PACIFIC RESORT AT UNIVERSAL NOVEMBER 13 – 18, 2022

Cloud & Containers (UVE) CLOUD-NATIVE, PAAS & SERVERLESS COMPUTING



AGENDA-AT-A-GLANCE

	.	oud-Native evelopment	Cloud-Native Infrastructure	Cloud-Native DevOps				
START TIME	END TIME	TIME Cloud & Containers Live! Pre-Conference Hands-On Labs: Sunday, November 13, 2022						
7:30 AM	9:00 AM		Registration • Coffee and Morning Pastri	es				
9:00 AM	6:00 PM		CCHOLO1 Hands-On Lab: Doing Kubernetes Dev - Roy Cornelissen & Alex Thissen	vOps style				
2:00 PM	7:00 PM		Pre-Conference Registration - Royal Pacific Resort Con	nference Center				
START TIME	END TIME	c	loud & Containers Live! Pre-Conference Workshops: Mor	nday, November 14, 2022				
7:00 AM	8:30 AM		Registration • Coffee and Morning Pastri	es				
9:00 AM	6:00 PM		CCM01 Hands-On Workshop: Learn to Build and Run Clou - Rockford Lhotka	d-Native .NET Code				
2:00 PM	7:00 PM		Mix & Mingle @ Live! 360 @ Hard Rock Café Universal CityWalk - 7:00pm					
START TIME	END TIME		Cloud & Containers Live! Day 1: Tuesday, Nover	nber 15, 2022				
7:00 AM	8:00 AM		Registration • Coffee and Morning Pastri	es				
8:00 AM	9:00 AM		CLOUD & CONTAINERS LIVE! KEYNOTE: Journey Paul Yuknewicz, Principal Group Product Manage	to Cloud Native r, Microsoft				
9:15 AM	10:30 AM		CCT01 From Core to Containers to Orchestration - Moder - Mike Benkovich	nizing my Compute				
10:30 AM	11:00 AM		Networking Break • Visit the EXPO Lounge - Pe	acifica 7				
11:00 AM	12:00 PM		LIVE! 360 KEYNOTE: Code to Cloud in Mir Shayne Boyer, Principal Program Manager, Developer Experi					
12:00 PM	12:45 PM		Lunch • Visit the EXPO Lounge - Pacifica 7 & Prome	enade Deck				
12:45 PM	1:30 PM		Dessert Break • Visit the EXPO Lounge - Pac	ifica 7				
1:30 PM	1:50 PM		CCT02 Fast Focus: DIY - Make A Kubernetes Cluster with Inexpensive Devices - <i>Rockford Lhotka</i>					
2:00 PM	2:20 PM		CCT03 Fast Focus: GitHub Actions and Workflow - Mike Benkovich	w Patterns				

Sessions and speakers subject to change.



AGENDA-AT-A-GLANCE (continued)

	os in the tlight	Cloud, Containers and Microservices	Al, Data and Machine Learning	Developing New Experiences	Delivery and Deployment	.NET Core and More	Full Stack Web Development				
START TIME	END TIME		Cloud & Containers Live! Day 1: Tuesday, November 15, 2022 (Continued)								
2:20 PM	2:45 PM			Networking Break • Visit th	e EXPO Lounge - Pacifica 7						
2:45 PM	4:00 PM			ССТО4 - То В	e Announced						
4:15 PM	5:30 PM			CCT05 To Microservice or - Alon							
5:30 PM	7:00 PM			Exhibitor Welcome R	eception - Pacifica 7						
START TIME	END TIME		Cloud &	Containers Live! Day 2:	Wednesday, November '	16, 2022					
7:30 AM	8:00 AM			Registration • Coffee	and Morning Pastries						
8:00 AM	9:15 AM			CCW01 Permit to Cloud - La - Mike Be							
9:30 AM	10:45 AM		CCWO	2 Level-up Your DevOps wi - Rob Ric		rnetes					
10:45 AM	11:30 AM			Networking Break • Visit th	e EXPO Lounge - Pacifica 7						
11:30 AM	12:30 PM		L	IVE! 360 KEYNOTE: Leader Philip Japikse, Developer		6					
12:30 PM	1:30 PM			Table Top	ics Lunch						
1:30 PM	2:00 PM			Dessert Break • Visit the I	EXPO Lounge - Pacifica 7						
2:00 PM	3:15 PM		CCW03 Microservice	Solution With Serverless Fur - Alon		ainers – Pros and Cons					
3:15 PM	4:00 PM		Networking Break • Visit the EXPO Lounge • Expo Raffle @ 3:30 p.m Pacifica 7								
4:00 PM	5:15 PM	CCW04 Building Applications with Azure Active Directory B2C - Tony Champion									
7:30 PM	9:00 PM			Live! 360 Dessert Lua	au - Wantilan Pavilion						

Sessions and speakers subject to change.



AGENDA-AT-A-GLANCE (continued)

	os in the tlight	Cloud, Containers and Microservices	Al, Data and Machine Learning	Developing New Experiences	Delivery and Deployment	.NET Core and More	Full Stack Web Development			
START TIME	END TIME	Cloud & Containers Live! Day 3: Thursday, November 17, 2022								
7:30 AM	8:00 AM			Registration • Coffee	and Morning Pastries					
8:00 AM	9:15 AM		c	CTH01 Choosing from the M - Rob Ric		re				
9:30 AM	10:45 AM			CCTH02 Designing and - Eric D						
11:00 AM	12:00 PM			AINERS LIVE! PANEL DISCU (moderator), Mike Benkovich						
12:00 PM	1:00 PM			Lur	ich					
1:00 PM	2:15 PM			CCTH03 Storage Strate - Eric D						
2:30 PM	3:45 PM			CCTH04 Busy .NET Deve - Ted N						
4:00 PM	5:00 PM		Next? Live! 360 Networking Event - Pacifica 7 Bill Ayers, Bradley Ball, Prashant G Bhoyar, Eric D. Boyd, Andrew Brust, Priscilla Camp, Benjamin Day, Colin Dembovsky, Angela Dugan, Allan Hirt, Veronika Kolesnikova, Sami Laiho, Thomas LaRock, Rockford Lhotka, Karen Lopez, Ted Neward, Jörgen Nielsen, Ronni Pedersen, Nestori Syynimaa, & Geert van der Cruijsen							
START TIME	END TIME		Cloud & Containe	ers Live! Post-Conferenc	e Workshops: Friday, No	vember 18, 2022				
7:30 AM	8:00 AM		Registration • Coffee and Morning Pastries							
8:00 AM	5:00 PM		CCF01 Workshop: Developing Modern Web Apps with Azure - Eric D. Boyd							

Sessions and speakers subject to change.



ROYAL PACIFIC RESORT AT UNIVERSAL NOVEMBER 13 – 18, 2022

CLOUD & CONTAINERS LIVE! SESSION DESCRIPTIONS BY TRACK



VFI

TECH EVENTS WITH PERSPECTIVE

FULL DAY HANDS-ON LABS

This instructor-led, pre-conference Hands-On Lab offer attendees intensive in-depth training before the conference officially begins. Take advantage of in-person instruction as well as collaboration with peers.

Cloud &

ntainers (LIVE)

Attendance for each Hands-On Lab is limited, so be sure to sign up early for these special bring your own laptop pre-conference HOLs.

CCHOL01

Hands-On Lab: Doing Kubernetes DevOps style

Introductory / Intermediate

ROY CORNELISSEN & ALEX THISSEN Sunday, November 13, 9:00am - 6:00pm

This hands-on training introduces you to Docker and container technology for DevOps teams. We will show you how to apply DevOps practices to cloud-based container solutions, complete with hands-on exercises using Kubernetes. The training uses Microsoft tooling and technology, but the skills you will learn can be applied in any technology stack.

This workshop contains hands-on labs to help you gain practical experience with the following topics:

- Getting started with containers and Docker
- Working with Kubernetes
- Azure DevOps pipelines
- Canary releases and A/B testing using Istio service mesh

Objectives:

- Automate everything from infrastructure to deployment
- Get hands-on experience supporting DevOps practices with available tools.
- Understand the implications for DevOps teams to build, deploy and run container based solutions in a cloud environment.
- Practice finding and fixing bugs without downtime

Target audience:

This training is intended for developers and architects that want to learn about DevOps practices and tooling for a cloud-based Kubernetes solution.

This workshop is divided into lecture with separate labs and allows you to start at any point given your experience. Throughout the workshop you will gradually improve your DevOps skills for container based solutions.

All courseware is on GitHub, so you can both prepare for the workshop ahead of time and finish the workshop from home if you are unable to finish the labs during the workshop.

You will learn:

- About getting started with containers, Docker and Kubernetes
- About Canary releases and A/B testing using a service mesh
- About finding and fixing bugs without downtime

Attendee Requirements:

You must provide your own laptop computer (Windows or Mac) for this hands-on lab.

All other laptop requirements will be provided to attendees 2 weeks prior to the conference.

WORKSHOPS

Choose from a wide range of content and topics by expert presenters with Cloud & Containers Live! Orlando's Pre- and Post-Conference full-day workshops.

CCM01

Hands-On Workshop: Learn to Build and Run Cloud-Native .NET Code

Intermediate

ROCKFORD LHOTKA

Monday, November 14, 8:30am - 5:30pm

In this hands-on lab, you will learn how to design and build cloud-native software, how to deploy the code to containers, and how to run your containers in Docker and Kubernetes (k8s). Along the way, you will learn how to install and interact with Docker on your local workstation and in Microsoft Azure. Building on that, you will learn how to install and use k8s on your local workstation.

Using that infrastructure, you will learn how to build microservices and n-tier services in .NET 5 and apps in Visual Studio using web APIs, and message-based services. The back-end services will follow cloud-native best practices around microservice and message-based/event-based architecture, 12-factor design. You'll learn how to avoid the fallacies of distributed computing, and more.

You will also build a client-side Blazor app that can run on any device with a modern browser. This app will make use of the backend services running in containers.

You will learn:

- How to install Docker and Kubernetes locally
- How to build .NET 5 services that deploy to k8s
- How to implement a microservice-based app with a Blazor front-end

Attendee Requirements:

You must provide your own laptop computer (Windows or Mac) for this hands-on lab.

All other laptop requirements will be provided to attendees 2 weeks prior to the conference.

CCF01

Workshop: Developing Modern Web Apps with Azure

Introductory / Intermediate

ERIC D. BOYD

Friday, November 18, 8:00am - 5:00pm

Modern web apps typically consist of web front-ends, web APIs and background jobs, and these all need to be secured with modern identity protocols. These modern web apps typically store data in multiple data platforms including relational databases like SQL Server, NoSql JSON document databases, and files. And we ultimately want to provide great experiences and solutions that our users love to use.

Microsoft Azure enables these modern web apps by providing lots of data centers around the world, a huge collection of services that enable robust capabilities in your web apps, and a developer-friendly environment that makes it easy for you to create, deploy and manage your web apps.



NOVEMBER 13 - 18, 2022

CLOUD & CONTAINERS LIVE! SESSION DESCRIPTIONS BY TRACK (continued)

In this workshop, you will walk through building a modern web app using platform as a service (PaaS), software as a service (SaaS), serverless capabilities, containers, and microservices architectures in Azure. You will learn how to do background processing without needing to manage servers and virtual machines. And you will learn how to build and manage robust APIs. Throughout the development of the application, we will provision services and deploy in Azure, and you will learn to think about DevOps early on using tools like Azure DevOps, GitHub Actions, Azure Resource Manager, and Bicep templates.

Cloud &

itainers (LIVE)

Next, we will enable modern identity in our application using OpenId Connect and OAuth 2.0 with Azure Active Directory. We will explore both the enterprise scenarios using AAD B2B, and we will also consider the consumer scenarios using AAD B2C. In addition to getting information about a user via security claims, you will learn how to interrogate the Azure Active Directory Graph API to get additional information. In addition to Azure Active Directory, we will explore alternatives like IdentityServer.

Then, we will integrate data into our application using various data services like Azure SQL Database, Storage and Cosmos DB.

Lastly, we will optimize user experience, performance and availability by using application-level caching, edge routing using Azure Traffic Manager, and edge caching using Azure CDN. And we will explore security and disaster recovery in Azure.

Before we conclude, we will also consider adding further capabilities including search and Al using services like Azure Search, Cognitive Services and Azure Bot Service.

You will learn:

TECH EVENTS WITH PERSPECTIVE

- About developing distributed solutions for the cloud and Azure
- About getting started developing solutions using Azure PaaS compute and data services
- How to secure, scale, and enhance user experience with Azure

CLOUD-NATIVE DEVELOPMENT

Cloud-native computing has become the standard for software development. Running server-side software in a container has become common, and orchestrating containers in Azure, AWS, and Kubernetes (aka k8s) are having a large impact on software architecture and deployment. This is perhaps most clear when thinking about microservice software architectures and how they can be used to leverage cloud- and container-based environments. It is hard to imagine any enterprise development scenario where one or more of these trends would not be high on the list of critical skills.

You'll find coverage of:

- Cloud-native architecture options and concepts
- Modernizing your compute loads
- Microservices or not microservices?
- Implementing microservice with serverless functions and containers
- Designing and developing great APIs

CCT01

From Core to Containers to Orchestration - Modernizing My Compute

Introductory / Intermediate

MIKE BENKOVICH

Tuesday, November 15, 9:15 - 10:30am

You will learn:

- About containerization and why you should care
- How to deliver containers into production
- About orchestration and how to get started

ССТ04

To Be Announced

Tuesday, November 15, 2:45 - 4:00pm

CCT05

To Microservice or Not to Microservice? How?

Introductory

ALON FLIESS

Tuesday, November 15, 4:15 - 5:30pm

You will learn:

- About Microservices
- Dos and don'ts when embracing the Microservices approach
- About migrating your solution to Microservices Evolution vs. Revolution

CCW03

Microservice Solution With Serverless Functions and Serverless Containers – Pros and Cons

Advanced

ALON FLIESS

Wednesday, November 16, 2:00 - 3:15pm

You will learn:

- How to compare the two Azure MSA Serverless approaches
- About using Azure Functions/Dapr binding for Cloud resource connectivity
- About using Automapper/Json to ease sharing contracts and not code

NOVEMBER 13 - 18, 2022

CLOUD & CONTAINERS LIVE! SESSION DESCRIPTIONS BY TRACK (continued)

CCW04

TECH EVENTS WITH PERSPECTIVE

Building Applications with Azure Active Directory B2C

Cloud &

ntainers (LIVE)

Introductory / Intermediate

TONY CHAMPION

IVF!

Wednesday, November 16, 4:00 - 5:15pm

You will learn:

- About Azure AD B2C is and its fundamentals
- How to customize Azure AD B2C including branding, user flows, and custom data fields
- How to implement Azure AD B2C authentication into applications, SPAs, and APIs

CCTH02

Designing and Developing Great APIs

Introductory / Intermediate ERIC D. BOYD Thursday, November 17, 9:30 - 10:45

You will learn:

- How to design and develop maintainable APIs
- How to prototype, test, and consume APIs
- How to operationalize and manage $\ensuremath{\mathsf{APIs}}$

CCTH04

Busy .NET Developer's Guide to Orleans

Intermediate

TED NEWARD

Thursday, November 17, 2:30 - 3:45pm

You will learn:

- How to talk about distributed systems
- About Orleans
- Why an actor-based model scales very well

CLOUD-NATIVE DEVOPS

Cloud-native software and infrastructure can't succeed without a solid DevOps process and related technologies. Microservice architectures mean you are deploying at least an order of magnitude more apps than ever before. Cloudnative runtimes like Kubernetes require a whole new set of monitoring and management technologies, which ideally feed back into automated adjustments of the runtime environment.

This track includes coverage of the following:

- Doing Kubernetes DevOps style
- GitHub Actions and workflow patterns
- Landing with confidence in Azure

ССТ03

Fast Focus: GitHub Actions and Workflow Patterns

Intermediate

MIKE BENKOVICH

Tuesday, November 15, 2:00 - 2:20pm

You will learn:

- How to get started with GitHub Workflow and Actions
- About using Variables and Expressions in Workflow
- About extending actions with the marketplace

CCW01

Permit to Cloud - Land with Confidence in Azure

Introductory / Intermediate

MIKE BENKOVICH

Wednesday, November 16, 8:00 - 9:15am

You will learn:

- What do I need to know to get started with Azure?
- · How to make my deployments repeatable and predictable
- How to use templates to streamline my deployments

CCW02

Level-up Your DevOps with GitHub Actions and Kubernetes

Introductory / Intermediate

ROB RICHARDSON

Wednesday, November 16, 9:30 - 10:45am

You will learn:

- How to build a Dockerfile for a .NET project
- How to build a GitHub Actions DevOps pipeline





CLOUD & CONTAINERS LIVE! SESSION DESCRIPTIONS BY TRACK (continued)

CLOUD-NATIVE INFRASTRUCTURE

IVF!

TECH EVENTS WITH PERSPECTIVE

Cloud-native has a major impact on traditional infrastructure roles and skillsets. Where servers used to be treated like unique individuals, they are now commodity resources that should all be identical (at least within a class). Cattle, not pets. This means rethinking a lot of process and management of hardware, operating systems, monitoring, and many other aspects of enterprise infrastructure.

Cloud &

ntainers (LIVE)

This track includes coverage of the following:

- All the ways to run containers in Azure
- Cloud storage strategies in Azure
- Building a Kubernetes cluster by hand

CCT02

Fast Focus: DIY - Make A Kubernetes Cluster with Inexpensive Devices

Introductory / Intermediate ROCKFORD LHOTKA

Tuesday, November 15, 1:30 – 1:50pm

Join Rockford Lhotka as he talks about how he assembled a multi-node cluster, got 64 bit Ubuntu set up, and installed Kubernetes with microk8s, all for less than the cost of a lowend laptop.

CCTH01

Choosing from the Many Ways to Docker in Azure

Intermediate

ROB RICHARDSON Thursday, November 17, 8:00 – 9:15am

You will learn:

- How to use containers in Azure
- Which Azure computing service you should use and when
- The pros & cons of each Azure container compute platform

CCTH03

Storage Strategies in Microsoft Azure

Introductory / Intermediate ERIC D. BOYD Thursday, November 17, 1:00 – 2:15pm

You will learn:

- About the data services in Azure
- How to choose the best data services(s) for your solution
- About getting started developing solutions with Azure data services

"THE SPEAKERS WERE VERY FRIENDLY AND ENGAGING AND EASY TO TALK TO AFTER SESSIONS!"

NOVEMBER 13 - 18, 2022

- Isaac Zinman, 2021 Live! 360 Attendee











CLOUD & CONTAINERS LIVE! SPEAKERS

CONFERENCE CHAIR



Rockford Lhotka Chief Software Architect, Marimer LLC

Cloud & Containers Live! Conference Co-Chair

SPEAKERS



Mike Benkovich

Developer, Business Owner, Consultant, Cloud Architect, Microsoft Azure MVP and an Online Instructor





President, Champion DS



Lead Consultant, Xpirit





Chief Software Architect, Marimer LLC



Ted Neward



Alex Thissen Architect, Lead Developer, and Mentor

Co-founder, Solidify/US



Paul Yuknewicz Lead Product Manager, Azure Developer Platform and Frameworks, Microsoft



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EVENT PARTNER



Founded in 1975, Microsoft (Nasdaq "MSFT") is the worldwide leader in software, services and Internet technologies for personal and business computing. Microsoft offers a wide range of innovative products and services designed to help individuals and organizations realize their full potential. <u>www.microsoft.com</u>

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SolarWinds (NYSE:SWI) is a leading provider of simple, powerful, and secure IT management software. Our solutions give organizations worldwide-regardless of type, size, or complexity-the power to accelerate business transformation in today's hybrid IT environments. We continuously engage with technology professionals—IT service and operations professionals, DevOps and SecOps professionals, and Database Administrators (DBAs) - to understand the challenges they face in maintaining high-performing and highly available IT infrastructures, applications, and environments. The insights we gain from them, in places like our THWACK community, allow us to address customers' needs now, and in the future. Our focus on the user and commitment to excellence in end-to-end hybrid IT management has established SolarWinds as a worldwide leader in solutions for observability, IT service management, application performance, and database management. Learn more today at www.solarwinds.com.



Vonage has everything you need to build connected applications with their APIs for SMS, Voice, Video, Verify and more. Whether you want to make and receive phone calls with code, reach users by the messaging platforms they prefer or ensure that users provide the correct contact details, they've got you covered. Easily integrate with social chat apps such as Facebook Messenger, WhatsApp and Viber, or build in-app voice and messaging experience on mobile and web. Vonage has quick solutions made easy for you. www.vonage.com

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PARTNER, SPONSORS & EXHIBITOR (continued)

GOLD SPONSORS



Your content. Better, faster, at scale. Kontent.ai is the modular content platform that enables marketers and developers to plan, create, and deliver experiences that look and feel great on any channel. The intuitive authoring experience helps marketers plan, create, and manage content, while developers enjoy the total flexibility of the headless solution. https://kontent.ai/



Progress (NASDAQ: PRGS) provides the best products to develop, deploy and manage high-impact business applications. Our comprehensive product stack is designed to make technology teams more productive and we have a deep commitment to the developer community, both open source and commercial alike. Progress customers can accelerate the creation and delivery of strategic business applications, automate the process by which apps are configured, deployed and scaled, and make critical data and content more accessible and secure—leading to competitive differentiation and business success. More than 1,700 software vendors, 100,000+ enterprise customers and a three-million-strong developer community rely on Progress to power their applications. https://www.progress.com/



Software development is a journey fraught with peril. Unforeseen problems and costly delays cause you to question whether you're on the right path. You need a guide.

Tenzing is a platform that bridges the divide between business strategy and software development. Project management tools are good at showing what your team must accomplish, but not for showing why. Tenzing seamlessly integrates with your existing project management software to create business alignment, quantify change as projects evolve, enable objective decision making, and strengthen trust within your organization.

Visit https://tenzing.team to request a live demonstration and learn how Tenzing bridges the divide between business strategy and software development.

EXHIBITOR



GrapeCity's family of products provides developers, designers, and architects with the ultimate collection of easy-to-use tools for building modern, high-performance, apps. With 30+ years of experience, our experts anticipate the needs of the market and offer the industry's best support. Our collection includes spreadsheets and reporting tools, grids, charts, and UI components for .NET, JavaScript, and Java enterprise apps. Our embedded BI platform provides system integrators and ISVs with a fully customizable, end-to-end BI platform. Our lightweight server architecture offers flexible deployment and integration options within any web application.

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ROYAL PACIFIC RESORT AT UNIVERSAL NOVEMBER 13 - 18, 2022

CONFERENCE VENUE, HOTEL DEALS & TRAVEL



COMBINE BUSINESS AND PLEASURE! MAKE YOUR TIME AT LIVE! 360 ORLANDO

EVEN BETTER by bringing the family and staying at the Loews Royal Pacific Resort or the Loews Sapphire Falls Resort at Universal Orlando. The Loews Royal Pacific Resort will be home to all Visual Studio Live!, SQL Server Live!, TechMentor, Artificial Intelligence Live!, and Cloud & Containers Live! Orlando sessions and activities.

CONFERENCE LOCATION

Loews Royal Pacific Resort 6300 Hollywood Way Orlando, Florida, 32819

HOTEL INFORMATION

The Loews Royal Pacific Resort Conference Center is located in the middle of Orlando's best Universal Orlando resorts. The Cabana Bay Beach Resort is just a short shuttle ride away from Universal's two amazing theme parks, Universal Studios Florida[®] and Universal's Islands of Adventure[®], and Universal CityWalk[®]. This well-situated property makes visiting this sunny locale easy.

CABANA BAY BEACH RESORT

6550 Adventure Way Orlando, Florida, 32819 Special attendee rate: \$114.00*

Book by: October 21, 2022 Reservations: 866.360.7395



To make your hotel reservation, please book online or call Reservations at 866.360.7395 and ask for the Live! 360 Room Block.

Rooms at Universal's Cabana Bay Beach in the Live! 360 Room Block also include the following:

- Complimentary in-room internet connectivity**
- Complimentary use of the fitness center
- Exclusive Universal Orlando theme park benefits Click here for more details
- Discounted self-parking rate of \$12 per vehicle per day

SOLD OUT

LOEWS ROYAL PACIFIC RESORT 6300 Hollywood Way Orlando, FL 32819



SOLD OUT LOEWS SAPPHIRE FALLS RESORT 6601 Adventure Way Orlando, FL 32819



** Rooms are subject to availability and applicable sales and local taxes, so book your accommodations today. ** Premium wireless access is complimentary for up to 4 devices per room for a 24-hour period 1pm to 1pm.

CONFERENCE + HOTEL PACKAGE

If you add the hotel Hotel Package when registering, a hotel room at the Cabana Bay Beach Resort. The conference center where the event is being held is located a short walk from the Cabana Bay.

FOR THE MOST UP-TO-DATE HOTEL OPTIONS, VISIT THE LIVE! 360 TRAVEL PAGE.





ROYAL PACIFIC RESORT AT UNIVERSAL NOVEMBER 13 – 18, 2022

CONFERENCE VENUE, HOTEL DEALS & TRAVEL (continued)

TRAVEL

CAR RENTAL DISCOUNTS

Avis Rent-a-Car is offering a discount on car rental for Live! 360 Orlando attendees. To receive the discounted rates, call Avis at 800.331.1600 and use the Avis Worldwide Discount (AWD) number D005872, or click here to make your reservation online.

AIRPORT TRANSPORTATION (ORLANDO INTERNATIONAL AIRPORT)

Loews Hotels at Universal Orlando do not provide airport transportation, but there are several options:

Mears Transportation: 800.759.5219

Mears provides convenient and affordable transportation between the Orlando International Airport and both Lowes Royal Pacific Resort and Lowes Sapphire Falls Resort. One way fares start at \$18. This is a shuttle service that will have other stops along the way. Mears can also assist with sedan reservations or advance taxi reservations.

Taxi: One way fares from Orlando International Airport (MCO) average \$45-\$50

PARKING

Loews Royal Pacific Resort & Loews Sapphire Falls Resort Self or valet parking for Live! 360 attendees:

- Self-parking is \$15.00* per day
- Valet parking is \$23.00* per day

*Rates shown are discounted for Live! 360 attendees and subject to change without prior notice.

UNIVERSAL ORLANDO® THEME PARK TICKET INFORMATION

Looking to relax and have some fun after a long day of learning? When you stay with us at the Loews Royal Pacific Hotel, you'll receive some great perks if you plan to head over to Universal Orlando[®] Theme Park - be sure to take advantage of everything our hotels have to offer!

Theme Park Tickets

<u>Click here</u> to purchase Universal Orlando[®] theme park tickets.

After 2pm Convention Tickets

Click <u>here</u> to purchase your after 2pm discounted tickets; or once you arrive and check in for Live! 360, you can show your conference badge at the Universal Orlando ticket desk in the lobby of either conference hotel and purchase after 2:00pm discounted tickets.

Note: you need a Universal Orlando[®] theme park "Park-to-Park" pass to ride the Hogwarts[™]Express train between the two parks to experience all of the Harry Potter[™] magic and excitement.

DISCOVER ORLANDO AND THE UNIVERSAL ORLANDO AREAS

Visit orlandoinfo.com for information on places to visit and things to do in the Orlando area. You can also visit universalorlando.com/convention for more information on Universal Orlando[®] Resort.

COVID HEALTH AND SAFETY PROTOCOLS

Live! 360 is working closely with the Loews Royal Pacific Resort to provide a safe and healthy experience for all. Enhanced measures "may" be implemented following the guidance of the Centers for Disease Control and Prevention (CDC).

Everyone attending the event must agree to the Live! 360 COVID-19 Health Protocols during the registration process with the understanding that Live! 360 "may" require all attendees to pass a COVID Antigen Rapid Nasal test and wear a mask at the event.

Additionally, Live! 360 recommends all attendees, exhibitors, and staff comply with travel guidelines issued by the CDC when traveling to Orlando, FL.

Additional COVID information and protocols will be posted on the event website closer to the event. For questions, please contact the conference registrar at sross@converge360.com or 949.296.9840.





CONFERENCE AND HOTEL PRICING PACKAGES

LIVE! 360 OFFERS SEVERAL CONFERENCE AND HOTEL PACKAGES to best suit your needs and budget. Register now to save your seat and book your hotel early before the hotel of your choice sells out!

Live! 360 offers five in-depth co-located technical conferences in one. When you purchase any Live! 360 6-Day, 5-Day, 4-Day, or 3-Day package, you can customize your conference experience by attending sessions at any of the five co-located events (Visual Studio Live!, SQL Server Live!, TechMentor, Artificial Intelligence Live!, and Cloud & Containers Live!) – all for one low price (just choose a "primary" conference when registering).

CONFERENCE PACKAGES				
Every Conference Package grants you access to every Keynote, Session, Breakfast, Lunch, and Welcome Reception	SUMMER SPECIAL PRICING THROUGH AUGUST 12	SUPER EARLY BIRD PRICING THROUGH SEPTEMBER 23	EARLY BIRD PRICING THROUGH OCTOBER 21	STANDARD PRICING THROUGH NOVEMBER 13
6-DAY CONFERENCE PACKAGE + Full Day Hands-On Lab and Workshops Sunday - Friday	\$3,075	\$3,175	\$3,275	\$3,575
5 DAY CONFERENCE PACKAGE + Workshops Monday - Friday	\$2,575	\$2,675	\$2,775	\$3,075
4 DAY CONFERENCE PACKAGE + Monday OR Friday Workshop Monday - Thursday OR Tuesday - Friday	\$2,075	\$2,175	\$2,275	\$2,575
3 DAY CONFERENCE PACKAGE Tuesday - Thursday	\$1,675 expired	\$1,675 expired	\$1,775	\$2,075



CONFERENCE AND HOTEL PRICING PACKAGES (continued)

CONFERENCE LABS AND WORKSHOPS	SUMMER SPECIAL PRICING THROUGH AUGUST 12	SUPER EARLY BIRD PRICING THROUGH SEPTEMBER 23	EARLY BIRD PRICING THROUGH OCTOBER 21	STANDARD PRICING THROUGH NOVEMBER 13
FULL DAY HANDS-ON LAB Sunday Only	\$650		\$700	\$750
FULL DAY WORKSHOP PASS Monday OR Friday	\$650 expired	\$650 expired	\$650	\$650

ADD THE HOTEL PACKAGE

If you add the Hotel Package when registering, a hotel room at the Cabana Bay Beach Resort will be reserved for you.

* The Hotel Package includes applicable state, local and occupancy taxes.

6 DAY HOTEL PACKAGE*	5 DAY HOTEL PACKAGE*	4 DAY HOTEL PACKAGE*	3 DAY HOTEL PACKAGE*
\$775	\$650	\$525	\$400
Check In: Saturday, November 12 Check Out: Friday, November 18	Check In: Sunday, November 13 Check Out: Friday, November 18	Check In: Sunday, November 13 Check Out: Friday, November 17 or Check In: Monday, November 14 Check Out: Friday, November 18	Check In: Monday, November 14 Check Out: Thursday, November 17



DISCOUNTS & SPECIAL SAVINGS

TEAM DISCOUNTS: BRING THE TEAM AND SAVE BIG!

Live! 360 Orlando offers savings to teams of 3 or more from the same company and registering for the same package (Team Discount pricing below is "per attendee").

Looking to bring 10 or more? Contact our Conference Registrar Sara Ross at sross@converge360.com or at 949.296.9840.

TEAM PACKAGES * Team Prices quoted are "per-person"	SUMMER SPECIAL PRICING THROUGH AUGUST 12	SUPER EARLY BIRD PRICING THROUGH SEPTEMBER 23	EARLY BIRD PRICING THROUGH OCTOBER 21	STANDARD PRICING THROUGH NOVEMBER 13
6-DAY CONFERENCE PACKAGE + Full Day Hands-On Lab and Workshops Sunday - Friday	\$2,775	\$2,875	\$2,975	\$3,275
5 DAY CONFERENCE PACKAGE + Workshops Monday - Friday	\$2,275	\$2,375	\$2,475	\$2,775
4 DAY CONFERENCE PACKAGE + Monday OR Friday Workshop Monday - Thursday OR Tuesday - Friday	\$1,775 expired	\$1,875 expired	\$1,975	\$2,275

MORE DISCOUNTS

ALUMNI

Welcome back! If you have attended any Live! 360, Visual Studio Live! or TechMentor event, you qualify for our special alumni discount. You should receive alumni special promotions, but if not, please contact our Conference Registrar Sara Ross at <u>sross@</u> converge360.com or 949.296.9840.

EDUCATION

We offer full-time college students and faculty from accredited universities a discount. To receive this discount, please contact our Conference Registrar Sara Ross at <u>sross@converge360.com</u> or 949.296.9840. Subject to Live! 360 verification.

NEW DEVELOPER

If you are a new Developer (or new to the Microsoft Platform) with less than three years of experience, you are eligible for \$600 off of our full price conference registration to help accelerate your career. Use Promo Code NDD. Subject to Live! 360 verification.

GOVERNMENT/ NON-PROFIT

Employees of a national, federal, state, provincial, or local government entity are eligible to take advantage of our discount. To receive this discount, please contact our Conference Registrar Sara Ross at sross@converge360.com or 949.296.9840. Subject to Live! 360 verification.