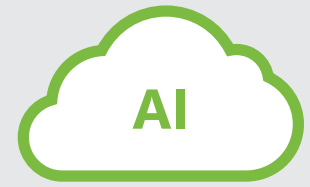




Tuesday, June 11, 2019

7:30am - 8:30am	Continental Breakfast Lake Terrace				
KEYNOTE	SWAN BALLROOM				
8:30am - 9:30am	<p style="text-align: center;">Keynote Scott Hanselman Principal Program Manager, Web Platform Team, Microsoft</p>				
9:30am - 10:00am	Coffee Break Swan Foyer				
SESSIONS	OSPREY 1	OSPREY 2	SWAN 5	SWAN 6	SWAN 1
10:00am - 11:00am	Adding Realtime Features to Your Applications with SignalR Javier Lozano	Angular in the Enterprise Stephen Fluin	Actors – The Past and Future of Software Engineering Juval Lowy	C# 8.0 Kathleen Dollard	Applying Clean Architecture to ASP.NET Core Apps Steve Smith
11:00am - 11:15am	Break				
11:15am - 12:15pm	Zen and The Art of Vue.js Jen Looper	Angular Architecture Dan Wahlin 7 Tips for Every Angular Developer John Papa	The Missing Piece Juval Lowy	Zero to Database with EF Core Code First in 60 Minutes Justin James	Securing Web Applications and APIs with ASP.NET Core 2.2 and 3.0 Brock Allen
12:15pm - 1:45pm	Lunch				
1:45pm - 2:45pm	The Great MiniBar Challenge: MixoLogY with NativeScript-Vue and TensorFlow Jen Looper	Demystifying Dependency Injection: Angular vs Nest Kamil Mysliwiec Smart Angular Applications: How to Incorporate AI into Your Existing Applications Ayşegül Yönet	ASP.NET Core Web API Best Practices Steve Smith	Practical Team Management for the IT Professional Michael Krasowski	Docker and Kubernetes for Developers Dan Wahlin
2:45pm - 3:15pm	Break				
PANELS	SWAN BALLROOM 10				
3:15pm - 4:15pm	<p style="text-align: center;">Hanselman and Friends Scott Hanselman Principal Program Manager, Web Platform Team, Microsoft</p>				
4:30pm - 6:00pm	Exhibit Area, Opening Reception, Swan Foyer – Bring Your Drink Ticket, T-shirt Giveaway				



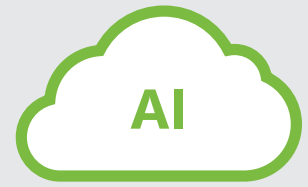
Tuesday, June 11, 2019

7:30am - 8:30am	Continental Breakfast				
KEYNOTE	SWAN BALLROOM				
8:30am - 9:30am	<p style="text-align: center;">Keynote Scott Hanselman Principal Program Manager, Web Platform Team, Microsoft</p>				
9:30am - 10:00am	Coffee Break Swan Foyer				
SESSIONS	SWAN 10	MOCKINGBIRD 2	MOCKINGBIRD 1	PELICAN 1	PELICAN 2
10:00am - 11:00am	Introducing .NET Core 3 Scott Hunter & Jeff Fritz	Depend on Docker for Deep Learning on Azure Alex Iankoulski & Dr. Mahadevan Balasubramaniam	Going from Developer to AI Rock Star Zoiner Tejada	Creating Intelligent Applications: The Hitchhiker's Guide to Microsoft's AI Galaxy Ciprian Jichici	Using Databricks for AI and Machine Learning Lino Tadore
11:00am - 11:15am	Break				
11:15am - 12:15pm	Present and Future of .NET Scott Hunter	How to Build Enterprise-Grade Serverless Apps Jeff Hollan	Message-based Microservices Powered by Docker, EventHubs, and Cosmos DB Michele Leroux Bustamante	Emerging AI Patterns: Machine Learned Systems with Sight Tim Huckaby	Building Resilient Real-time and Batch Data Pipelines for AI Kyle Bunting
12:15pm - 1:45pm	Lunch				
1:45pm - 2:45pm	.NET Core Templates, Tools, and Tips Jeff Fritz	DevOps for AI in the Microsoft World Ciprian Jichici	Crash Course in Data Science for the Developer Zoiner Tejada	Building Killer Apps with Serverless AI Joel Hulen	AI & Machine Learning with Azure Lino Tadore
2:45pm - 3:15pm	Break				
PANEL	SWAN BALLROOM 10				
3:15pm - 4:15pm	<p style="text-align: center;">Hanselman and Friends Scott Hanselman Principal Program Manager, Web Platform Team, Microsoft</p>				
4:30pm - 6:00pm	Exhibit Area, Opening Reception, Swan Foyer – Bring Your Drink Ticket, T-shirt Giveaway				



Wednesday, June 12, 2019

7:30am - 8:30am	Continental Breakfast Lake Terrace				
KEYNOTE	SWAN BALLROOM				
8:30am - 9:30am	Keynote Steven Murawski Lead Cloud Ops Advocate, Microsoft				
9:30am - 10:00am	Coffee Break				
SESSIONS	OSPREY 1	OSPREY 2	SWAN 5	SWAN 6	SWAN 1
10:00am - 11:00am	An Introduction to React: Hooks Edition Elijah Manor	Reactive Powered: RxJS with Angular Forms Shmuela Jacobs RxJS Operators - Real World Use Cases, Anti Patterns & Debugging Tracy Lee	Science of Great UI, <i>Part 1</i> (Efficiency in Thought & Motion) Mark Miller	Functional Techniques for C# Kathleen Dollard	Improve Your Testing with Visual Studio 2019 Kendra Havens
11:00am - 11:15am	Break				
11:15am - 12:15pm	Write Once, Run Anywhere! Joe Guadagno	Grant Your SPA App the Power of GraphQL Chris Noring Minimal MEAN: Full Stack TypeScript Doguhan Uluca	Science of Great UI, <i>Part 2</i> (Design Like a Pro) Mark Miller	Leadership and Communication Skills for the IT Professional Michael Krasowski	SignalR: Real-time for All the Things Brady Gaster
12:15pm - 2:00pm	Lunch				
2:00pm - 3:00pm	Securing Calls to Web APIs for JavaScript/SPA Applications Brock Allen	Angular Schematics – The Unknown Hero Chris Noring Leveraging Angular Concepts in Node.js with Nest Kamil Mysliwicz	Science of Great UI, <i>Part 3</i> (Metrics and Business Case) Mark Miller	Building Better Agile Sprint Plans Michael Krasowski	Microservices 101 - Getting Started with .NET Core and Kubernetes Brady Gaster & Glenn Condron
3:00pm - 3:30pm	Ice Cream Break				
3:30pm - 4:30pm	Debugging Node: An Unexpected Journey Brian Clark		Running .NET Core in Small Environments, like Raspberry Pi and Constrained Containers Richard Lander	Migrating & Modernizing Legacy Applications Using Containers Shayne Boyer	
4:30pm - 6:00pm	Exhibit Area open, Swan Foyer				
EVENING EVENT	OSPREY 1				
7:00pm	Security after Dark Hosted by Michele Leroux Bustamante & Brock Allen Sponsored by <i>Solliance, Inc.</i>				



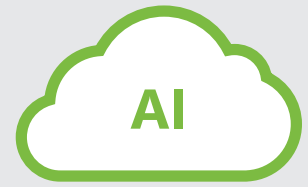
Wednesday, June 12, 2019

7:30am - 8:30am	Continental Breakfast			
KEYNOTE	SWAN BALLROOM			
8:30am - 9:30am	Keynote Steven Murawski Lead Cloud Ops Advocate, Microsoft			
9:30am - 10:00am	Coffee Break			
SESSIONS	MOCKINGBIRD 1	SWAN 10	PELICAN 1	PELICAN 2
10:00am - 11:00am	Blazor, a New Framework for Browser-based .NET Apps Ryan Nowak	Depend on Docker for Windows Containers on Azure Alex Iankoulski & Dr. Mahadevan Balasubramaniam	From Pre-built to Custom: Deploying ML Models Across the AI Spectrum Kyle Bunting	Building Real-time Data Analytics in Azure Joel Hulén
11:00am - 11:15am	Break			
11:15am - 12:15pm	DevOps for Desktop Apps Ricardo Minguez Pablos	Surviving Microservices Michele Leroux Bustamante	Serverless and Azure Functions Pro Tips and Tricks Jeff Hollan	Domo Arigato. Bots Do What No One Wants to. Joel Hulén
12:15pm - 2:00pm	Lunch			
2:00pm - 3:00pm	Bulletproof Transient Error Handling with Polly Carl Franklin	Depend on Docker for Scale on Azure Alex Iankoulski & Dr. Mahadevan Balasubramaniam	Machine Learning the .Net Way Bri Achtman & Ankit Asthana	Beyond Hello World – Common Machine Learning Use Cases with ML.NET Dr. Adnan Masood
3:00pm - 3:30pm	Ice Cream Break			
3:30pm - 4:30pm	What's Happening in My App, Application Insights? Joseph Guadagno	Bringing Apache Spark to .NET Ankit Asthana & Pranav Rastogi	Comparing Azure Message Delivery Service Offerings: When to Use Which One? Kyle Bunting	
4:30pm - 6:00pm	Exhibit Area open, Swan Foyer			
EVENING EVENTS	OSPREY 1			
7:00pm	Security after Dark Hosted by Michele Leroux Bustamante & Brock Allen Sponsored by <i>Solliance, Inc.</i>			



Thursday, June 13, 2019

7:30am - 8:30am	Continental Breakfast Lake Terrace				
KEYNOTE	SWAN BALLROOM				
8:30am - 9:30am	<p align="center">Angular in the Enterprise Brad Green Engineering Director, Google, Angular Team</p>				
9:30am - 10:00am	Coffee Break				
SESSIONS	OSPREY 1	OSPREY 2	SWAN 5	SWAN 6	SWAN 1
10:00am - 11:00am	Lights, Camera, AI: Interactive Chat Bots Brian Clark	Visual Studio Code Tips John Papa Client to Cloud: Synchronizing the In-browser Database with the Server Craig Shoemaker	Modern .NET Desktop Development in .NET Core 3 Olia Gavrysh	Cypress: Where Automated Web UI Testing Isn't Just for QA Anymore Justin James	Building API Services for Business Applications Shayne Boyer
11:00am - 11:15am	Break				
11:15am - 12:15pm	Cognitive Services - Machine Learning for Developers Chris Noring	Angular: Reactive Forms Doguhan Uluca	The Eight Most Common Ways Developers Get UX Wrong Billy Hollis	Ultimate Presentation Formula for Nerds Justin James	Automated Delivery for .NET Applications Javier Lozano
12:15pm - 1:30pm	Lunch				
KEYNOTE	SWAN BALLROOM				
1:30pm - 2:45pm	<p align="center">Keynote Scott Guthrie Executive Vice President, Cloud + AI Platform, Microsoft</p>				
2:45pm - 3:15pm	Ice Cream Break – Swan Foyer				
PANEL	SWAN BALLROOM				
3:15pm - 3:45pm	<p align="center">AI Panel Michele L. Bustamante CIO & Architect, Solliance Zoiner Tejada CEO & Architect, Solliance</p>				
3:45pm - 4:00pm	Break				
CLOSING	SWAN BALLROOM				
4:00pm - 4:30pm	<p align="center">Closing & Prizes Carl Franklin & Richard Campbell, .NET Rocks!</p>				



Thursday, June 13, 2019

7:30am - 8:30am	Continental Breakfast Lake Terrace				
KEYNOTE	SWAN BALLROOM				
8:30am - 9:30am	Keynote Brad Green Engineering Director, Google, Angular Team				
9:30am - 10:00am	Coffee Break				
SESSIONS	SWAN 10	MOCKINGBIRD 1	MOCKINGBIRD 2	PELICAN 2	PELICAN 1
10:00am - 11:00am	Increase Your .NET Productivity and Streamline Azure Development with Visual Studio 2019 Allison Buchholtz-Au & Kendra Havens	Architect Your App Security and Access Management Kyle Marsh	Get Your Head in the Cloud Billy Hollis	Getting started with DevOps on Azure Dan Patrick	PyTorch for .NET Developers with Azure Machine Learning Dr. Adnan Masood
11:00am - 11:15am	Break				
11:15am - 12:15pm	Your .NET App Won't Scale Glenn Condron	Microsoft Identity Platform for Developers Kyle Marsh	The Cloud-native Cookbook: Serverless, Kubernetes, and Containers Jeff Hollan	Running AKS in Prod Dan Patrick	Drive Intelligence from Text Comprehension in Enterprise Apps Dr. Adnan Masood
12:15pm - 1:30pm	Lunch				
KEYNOTE	SWAN BALLROOM				
1:30pm - 2:45pm	Keynote Scott Guthrie Executive Vice President, Cloud + AI Platform, Microsoft				
2:45pm - 3:15pm	Ice Cream Break – Swan Foyer				
PANEL	SWAN BALLROOM				
3:15pm - 3:45pm	AI Panel Michele L. Bustamante CIO & Architect, Solliance Zoiner Tejada CEO & Architect, Solliance				
3:45pm - 4:00pm	Break				
CLOSING	SWAN BALLROOM				
4:00pm - 4:30pm	Closing & Prizes Carl Franklin & Richard Campbell, .NET Rocks!				



WORKSHOPS



Sunday, June 9, 2019 Pre-Conference Workshops (Optional - additional fee)

SESSIONS	OSPREY 1	SWAN 1	SWAN 2	OSPREY 2
9:00am - 4:00pm	I Will Make You a Better C# Developer – 2019 Edition Kathleen Dollard	***Securing Modern Applications and APIs with ASP.NET Core 2: Day 1*** Brock Allen <i>Two-day workshop continues Monday.</i>	***Introducing Domain-Driven Design for ASP.NET Core Developers – Day 1*** Steve Smith <i>Two-day workshop continues Monday.</i>	***Angular Fundamentals Workshop*** Dan Wahlin & John Papa <i>***You'll be writing Angular code using what you learn in several hands-on exercises. This workshop will cover the latest version of Angular.</i>

*** Workshops with *** indicates that this workshop is either hands-on, or may have some hands-on aspects. Please bring your own laptop **fully charged**.

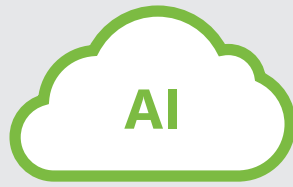
Monday, June 10, 2019 Pre-Conference Workshops (Optional - additional fee)

SESSIONS	OSPREY 1	SWAN 1	SWAN 2	MOCKINGBIRD 2	PARROT	OSPREY 2
9:00am - 4:00pm	Righting Software – A Method for System and Project Design Juval Lowy	***Securing Modern Applications and APIs with ASP.NET Core 2: Day 2*** Brock Allen <i>Two-day workshop starts on Sunday.</i>	***Applying DDD Patterns to ASP.NET Core Applications – Day 2*** Steve Smith <i>Two-day workshop starts on Sunday.</i>	***React Fundamentals*** Elijah Manor	Building Mobile Apps with JavaScript Todd Anglin	***Vue.js Fundamentals*** Dan Wahlin & John Papa

*** Workshops with *** indicates that this workshop is either hands-on, or may have some hands-on aspects. Please bring your own laptop **fully charged**.

Friday, June 14, 2019 Post-Conference Workshops (Optional - additional fee)

SESSIONS	OSPREY 1	SWAN 1	PELICAN 1	OSPREY 2
9:00am - 4:00pm	A Painless Introduction to User Experience Design Billy Hollis	PWA: Using the Web Platform Power to the Fullest Maxim Salnikov	***Application Building with ASP.NET Core 2.2*** Jeff Fritz <i>***Attendees will need to bring a fully-charged laptop with the following setup:</i> • <i>Windows: Visual Studio 2017, 2019 or Visual Studio Code</i> • <i>Mac/Linux: VS Code</i>	***Angular Architecture*** Dan Wahlin & John Papa



WORKSHOPS



Sunday, June 9, 2019 Pre-Conference Workshops *(Optional - additional fee)*

SESSIONS	PELICAN 1	MOCKINGBIRD 1	SWAN 4	PARROT	SWAN 3
9:00am - 4:00pm	Deep Learning for Developers Hands-on Zoiner Tejada & Ciprian Jichici	***Step Up Your Microservices Game with AspNetcore, Docker and Azure – Day 1*** Michele Leroux Bustamante <i>Two-day workshop continues Monday.</i>	***Developer's SQL Server Recipe Book*** Brent Ozar	Migrating to SQL Server 2019 Glenn Berry	Leveling Up with PowerShell for the DBA Ben Miller

*** Workshops with *** indicates that this workshop is either hands-on, or may have some hands-on aspects. Please bring your own laptop fully charged.

Monday, June 10, 2019 Pre-Conference Workshops *(Optional - additional fee)*

SESSIONS	PELICAN 1	MOCKINGBIRD 1	SWAN 4	PELICAN 2	SWAN 3
9:00am - 4:00pm	***Blazor and the Future of .NET Web Apps*** Glenn Condron, Brady Gaster, Jeff Fritz <i>***Attendees will need to bring a fully-charged laptop with the following setup:</i> • <i>Windows: Visual Studio 2017, including latest updates</i> • <i>Mac/Linux: VS Code</i>	***Step Up Your Microservices Game with AspNetcore, Docker and Azure – Day 2*** Michele Leroux Bustamante <i>Two-day workshop starts on Sunday. Day 2 will build upon Day 1.</i>	Performance Troubleshooting Using Waits and Latches Paul S. Randal	Performance Tuning and Optimization for Modern Workloads (SQL Server 2017+, Azure SQL Database, and Managed Instance) Tim Radney & David Pless	SQL Server Indexes: What, Why, and HOW! Kimberly L. Tripp

*** Workshops with *** indicates that this workshop is either hands-on, or may have some hands-on aspects. Please bring your own laptop fully charged.

Friday, June 14, 2019 Post-Conference Workshops *(Optional - additional fee)*

SESSIONS	MOCKINGBIRD 1	SWAN 4	SWAN 3
9:00am - 4:00pm	Azure IoT Bootcamp Lino Tadors & Carey Payette	SQL Server Reporting Services and Power BI Reporting Solutions David Pless & Tim Radney	Zero to Hero: Faster SQL Query Performance Jonathan Kehayias



Tuesday, June 11, 2019

7:30am - 8:30am	Continental Breakfast Lake Terrace			
KEYNOTE	SWAN BALLROOM			
8:30am - 9:30am	Keynote Scott Hanselman Principal Community Architect for Web Platform and Tools, Microsoft			
9:30am - 9:45am	Coffee Break Swan Foyer			
SESSIONS	SWAN 4	SWAN 3	SWAN 2	PARROT
9:45am - 11:00am	Mythbusters Paul S. Randal	The Cloudy Future of the DBA Tim Chapman	Building an Azure Data Science Environment (Part 1) Gareth Swanepoel	Hardware 201: Evaluating and Choosing Database Hardware for SQL Server 2019 Glenn Berry
11:00am - 11:15am	Break			
11:15am - 12:30pm	Introduction to Performance Troubleshooting Using Wait Statistics Paul S. Randal	An Introduction to Azure Managed Instances Tim Radney	Building an Azure Data Science Environment (Part 2) Gareth Swanepoel	High Availability / Disaster Recovery 101 Glenn Berry
12:30pm - 1:45pm	Lunch			
1:45pm - 3:00pm	Troubleshooting Query Plans: Part 1 – Root Cause Analysis and Caching Problems Kimberly L. Tripp	Getting started with Azure Infrastructure as a Service Tim Radney	Machine Learning, Artificial Intelligence, and Deep Learning for the Data Professional Buck Woody	Availability Groups: When Are They The RIGHT Solution? Jonathan Kehayias
3:00pm - 3:15pm	Break			
3:15pm - 4:30pm	Troubleshooting Query Plans: Part 2 – Statistics Problems Kimberly L. Tripp	Common Tasks for the Cloud DBA Tim Chapman	Secure Machine Learning in SQL Server Buck Woody	Using Service Broker, Encryption, and Replication with Availability Groups Jonathan Kehayias
4:30pm - 6:00pm	Exhibit Area, Opening Reception, Swan Foyer – Bring Your Drink Ticket, T-shirt Giveaway			

SESSIONS AND SPEAKERS ARE SUBJECT TO CHANGE. CHECK EVENTS XD ON YOUR PHONE FOR UPDATES.

Slides and sample code provided by speakers will be available after the conference at:

SQL: <https://SQLintersection.github.io>

Wednesday, June 12, 2019

7:30am - 8:30am	Continental Breakfast Lake Terrace			
KEYNOTE	SWAN 4			
8:30am - 9:45am	<p style="text-align: center;">The SQL Server 2019 Data Platform</p> <p style="text-align: center;">Bob Ward Principal Architect, Microsoft Azure Data / SQL Server Team, Microsoft Buck Woody Applied Data Scientist, Microsoft Azure Data / SQL Server Team, Microsoft</p>			
9:45am - 10:15am	Coffee Break			
SESSIONS	SWAN 4	SWAN 3	SWAN 2	PARROT
10:15am - 11:30am	What's New: Query Performance Insights Pedro Lopes	SQL Server 2008 End of Support (EOS): Azure Planning and Migration Strategies David Pless	SQL Server in Containers; Your Next Dev / Test / Integration / Upgrade System Grant Fritchey	Data Estate Modernization: On Premises and Azure SQL Database as a Hybrid Environment Kevin Farlee
11:30am - 11:45am	Break			
11:45am - 1:00pm	Practical Guidance to Make Your Tier-1 SQL Server Roar Pedro Lopes & Pam Lahoud	Migration Strategies Tim Radney	Inside SQL Server Containers Bob Ward	Azure SQL Database Hyperscale: Unlimited VLDB Scale without the VLDB Headaches Kevin Farlee
1:00pm - 2:00pm	Lunch			
2:00pm - 3:15pm	Query Store in SQL Server 2019 Grant Fritchey	Complete Database Migration with PowerShell Ben Miller	Writing Fast, Safe Dynamic T-SQL Brent Ozar	Azure SQL Database Managed Instance: The Most Compatible Platform as a Service Database on the Planet Kevin Farlee
3:15pm - 3:45pm	Ice Cream Break			
PANELS	SWAN 4			
3:45pm - 4:45pm	<p style="text-align: center;">SentryOne Tools for Productivity and Performance</p> <p style="text-align: center;">Aaron Bertrand Product Manager, SentryOne</p>			
4:45pm - 6:00pm	Exhibit Area open, Swan Foyer			
EVENING EVENT	SWAN 4			
7:00pm	<p style="text-align: center;">SQLafterDark</p> <p style="text-align: center;">Hosted by Kimberly L. Tripp and Paul S. Randal Sponsored by <i>SQLskills & SentryOne</i></p>			



Thursday, June 13, 2019

7:30am - 8:30am	Continental Breakfast – Lake Terrace			
KEYNOTE	SWAN 4			
8:30am - 9:30am	The Mechanics of SQL Server Bob Ward Principal Architect, Microsoft Azure Data / SQL Server Team, Microsoft			
9:30am - 10:00am	Coffee Break			
SESSIONS	SWAN 4	SWAN 3	SWAN 2	PARROT
10:00am - 11:00am	What's New in SQL Server 2019: 100% Demos Brent Ozar	TempDB: The Good, The Bad, and The Ugly Pam Lahoud	Lessons from the Field: Migrating to an Azure Modern Data Warehouse Gareth Swanepoel	DBAs Working Smarter NOT Harder with PowerShell Ben Miller
11:00am - 11:15am	Break			
11:15am - 12:30pm	SQL Server's Path Towards an Intelligent Database Pedro Lopes	Polybase++ in SQL Server 2019 Bob Ward	ColumnStore Indexes: A Journey into Data Warehousing Performance Gareth Swanepoel	SQL Server 2017+ and Azure SQL DB: Security Smackdown David Pless
12:30pm - 1:30pm	Lunch			
KEYNOTE	SWAN BALLROOM			
1:30pm - 2:45pm	Keynote Scott Guthrie Executive Vice President, Cloud + AI Platform, Microsoft			
2:45pm - 3:00pm	Ice Cream Break			
PANEL	SWAN 4			
3:00pm - 3:45pm	SQLintersection Closing Panel & RunAs Radio Recording Hosted by Richard Campbell			
3:45pm - 4:00pm	Break			
CLOSING	SWAN BALLROOM			
4:00pm - 4:30pm	Closing & Prizes			