SESSIONS
AGENDA-AT-A-GLANCE -

Sunday, October 14 - Click to Expand

2:00pm - 6:00pm

2:00 - 6:00pm Registration Open Hours

Monday, October 15 - Click to Expand

7:00am - 8:30pm

7:00am - 7:00pm Registration Open Hours

7:00 - 8:00am Continental Breakfast & Networking - for All Access pass holders only

8:00am - 12:00pm Pre-Conference Workshops

12:00 - 1:00pm Lunch & Networking - for All Access pass holders only

1:00 - 4:00pm Pre-Conference Workshops, Continued

1:00 - 5:00pm Sponsor Tabletop Setup

6:00 - 7:15pm Opening Remarks & Keynote

7:15 - 8:30pm Welcome Reception & Sponsor Showcase

8:30 - 9:00pm Hackathon Kick-Off

Tuesday, October 16 - Click to Expand

7:00am - 7:00pm

7:00am - 5:30pm Registration Open Hours

7:30 - 8:30am Continental Breakfast & Networking

8:30 - 9:45am Sessions

9:45 - 10:15am Networking Break & Sponsor Showcase

10:15 - 11:30am Sessions

11:30am - 12:30pm Lunch & Networking

12:30 - 1:45pm Sessions

1:45 - 2:15pm Networking Break & Sponsor Showcase

2:15 - 3:30pm Sessions

3:30 - 5:30pm Daily Debrief

Wednesday, October 17 - Click to Expand

7:00am - 7:00pm

7:00am - 5:00pm Registration Open Hours

7:30 - 8:30am Continental Breakfast & Networking

8:30 - 9:45am Sessions

9:45 - 10:15am Networking Break & Sponsor Showcase

10:15 - 11:30am Sessions

11:30am - 12:30pm Lunch & Networking

11:30am - 12:30pm Women in Technology Luncheon - Sponsored by Microsoft's Cloud Advocacy Team

12:30 - 1:45pm Sessions

1:45 - 2:15pm Networking Break, Sponsor Showcase & Raffle

2:15 - 3:30pm Sessions

3:30 - 5:30pm Daily Debrief

3:30 - 7:00pm Sponsor Tabletop Breakdown

5:45 - 7:00pm Hackathon Finale

Thursday, October 18 - Click to Expand

7:30am - 3:30pm

7:30am - 3:30pm Registration Open Hours

7:30 - 8:30am Continental Breakfast & Networking

8:30 - 9:45am Sessions

9:45 - 10:15am Networking Break

10:15 - 11:30am Sessions

11:30am - 12:30pm Lunch & Networking

12:30 - 1:45pm Sessions

1:45 - 2:15pm Networking Break

2:15 - 3:30pm Sessions

SCHEDULE
AGENDA-AT-A-GLANCE -

TIME	
2:00PM	**2:00pm** - Sunday, October 14 - Click to Expand
1:00PM	
12:00PM	
11:00AM	
10:00AM	
9:00AM	
8:00AM	
7:00AM	**7:00am** - Monday, October 15 - Click to Expand **7:00am** - Tuesday, October 16 - Click to Expand **7:00am** - Wednesday, October 17 - Click to Expand **7:30am** - Thursday, October 18 - Click to Expand

SESSIONS

SUNDAY, OCTOBER 14 - 14/10/2018

Registration Open Hours | Regency Foyer - Banquet Level

2:00pm - 6:00pm

SCHEDULE
SUNDAY, OCTOBER 14 - 14/10/2018

TIME	
2:00PM	**2:00pm** - Registration Open Hours | Regency Foyer - Banquet Level

SESSIONS
MONDAY, OCTOBER 15 - 15/10/2018

IT/Dev Connections

October 15 - 18, 2018
Fairmont Dallas
Dallas, TX

Continental Breakfast | for All Access pass holders only | Gold Room - Banquet Level

7:00am - 8:00am
Events

Registration Open Hours | Regency Foyer - Banquet Level

7:00am - 7:00pm
Registration

Mastering ASP.NET Core, Angular 6 and EF Core

8:00am - 4:00pm
Developer Platform Preconference Workshop 1 | Garden Room

Are you building next-generation web apps? Do you want a framework that is faster than Node.js on I/O and computation both? Do you know the best practices while building RESTful APIs? Do you want scalability as well as performance? Everything you need to know about best practices from a beginner to an advanced level will be covered in this workshop (for UI, API and server side). Chander Dhall will share his knowledge and experience of how he's worked with Fortune 500 Companies to scale their systems to more than a billion hits a day with examples in ASP.NET Core. He will also dig deep into Angular 5 or higher, ASP.NET Core, MVC, Web API and Entity Framework Core and other related frameworks like System.js, Webpack, Angular CLI, etc. The workshop will have 10 GitHub repositories for you to download and keep.

Participants

Speaker: Chander Dhall - Developer Platform Track Chair | CEO, Cazton, Inc.

Progressive Web Apps From Beginner to Expert

8:00am - 4:00pm
Developer Platform Preconference Workshop 2 | Continental Room

Progressive Web Apps are a hot area and have a full compliment of browser and platform support. PWAs are web sites that look and behave like native apps without the hassel of the App Store. This workshop is a structured introduction to the benefits of progressive web applications and how to build web applications that leverage the latest web technologies to create "user experience magic." Progressive web applications generously let you unobtrusively upgrade existing sites without a massive resource investment. The workshop covers how to build a reference e-commerce progressive web application - where you learn how to apply the concepts to your own work or personal web sites. By the end of the day, you will have a firm foundation in the exciting world of progressive web applications and service workers and how they can enhance your business, engage your customers, increase work satisfaction, and improve your productivity.

Participants

Speaker: Chris Love - Progressive Web App Expert, Love2Dev

CANCELLED: Build Intelligent Applications with A.I. Technologies

8:00am - 4:00pm
Developer Platform Preconference Workshop 3 | Executive Room

How can an organization optimize its sales channels and product targeting? Can you automate first line of support and improve customer satisfaction? How do I protect my online payment channel from frauds? These and more questions are addressed in this workshop about building smarter business applications that leverage the capability of Artificial Intelligence technologies. This workshop provides attendees with a hands-on practice on Azure Machine Learning, Microsoft Cognitive Services and Bot Framework to build intelligent applications that analyze data and predict better outcomes for business processes and challenges. Topics covered in this workshop are: Introduction to Azure Machine Learning, Cognitive Services and Bot Framework Demand estimation, recommendation and sentiment analysis in Azure ML Financial outcome prediction in Azure ML Biometric security (voice and face recognition) with Cognitive Services Build an interactive chat bot Solve the Rubik's cube with Deep Learning Toolkit!

Participants

Speaker: Paul Swider - CTO, RealActivity

From Beginning to Expert SQL Programmer in One Day

8:00am - 4:00pm
Data Platform Preconference Workshop 1 | Far East Room

What are the most problematic patterns and anti-patterns that trip up SQL Server developers on a daily basis? What sort of SQL and Transact-SQL challenges does every SQL Server developer encounter at some point in their career? This full-day, pre-conference seminar takes a look at the most common and challenging issues that database developers face. Learn how to conquer them in the lab today so that they won't take you by surprise in the future. Loaded with live demonstrations and useful techniques, this session will teach you how to take your SQL Server queries from the mundane to the masterful. This session will teach you a multitude of tricks and techniques to add to your coding toolkit, so you'll be able to write T-SQL code that consumes less system CPU, memory and IO, while being easier to maintain and offering faster performance.

Participants

Speaker: Kevin Kline - Principal Program Manager, SentryOne

Practical Performance Monitoring

8:00am - 4:00pm
Data Platform Preconference Workshop 2 | State Room

At some point, every DBA struggles with the concepts and implementation of a proper performance monitoring strategy. This all-day session will cover the fundamental techniques and code snippets that will help you get to the bottom of who or what may be causing you problems. At the end of the day, you will feel much more confident that you have the tools and the knowledge to start implementing a performance monitoring strategy that will work best for your environment. All the demos are based on actual code and techniques that anyone can use to obtain these goals. We will also cover the key aspects of the database services structure that you need to be aware of to make the right decisions regarding performance.

Participants

Speaker: Andrew Kelly - Senior Technical Subject Matter Expert, B3 Group Inc.

SESSIONS
MONDAY, OCTOBER 15 - 15/10/2018

IT/Dev Connections

October 15 - 18, 2018
Fairmont Dallas
Dallas, TX

ConfigMgr and Azure - A Flexible, Powerful and Compelling Combination!

8:00am - 4:00pm
Cloud Platform Preconference Workshop 1 | Terrace Room

ConfigMgr has long been a leader for on-prem management. The ability to integrate ConfigMgr with various services in Azure makes ConfigMgr an even more compelling management solution. In this full day session we will walk through the various ways in which ConfigMgr integrates with Azure. Discussion will include integration with Windows Store for Business, Upgrade Readiness, Cloud Management Gateway, Cloud Distribution Point and more. We will also talk through the requirements and options for hosting ConfigMgr either partially or fully in an Azure environment.

Participants

Speaker: Steven Rachui - Principal Premier Field Engineer, Microsoft Corporation

Going Serverless Using Azure

8:00am - 4:00pm
Cloud Platform Preconference Workshop 2 | Royal Room

When using cloud development platforms, you don't have to be a developer to build impressive solutions. In this hands-on workshop, we will dive into some of the serverless and codeless solutions on Azure, as well as how to combine these with other cloud services to achieve your goal.

Participants

Speaker: Anders Eide - Manager, KPMG

Migrating to Windows 10 - Notes From the Field

8:00am - 4:00pm
Cloud Platform Preconference Workshop 3 | Fountain Room

Windows 10 now runs on well over 700 million devices in organizations of all sizes – but managing migrations is still tricky business. This all-day workshop delivers a plan for success based real-world experience managing, deploying and upgrading to Windows 10 using Microsoft Development Toolkit and Config Manager. We'll cover setup and deployment features, and customizations you can make with Windows Assessment and Deployment Kit 10. You'll learn to build customized rock-solid deployments using tools like Microsoft Deployment Toolkit and System Center Configuration Manager Current Branch. Expect to walk away with a game plan for your successful Windows 10 migration.

Participants

Speaker: Johan Arwidmark - Chief Technology Officer, TrueSec

Lunch & Networking | for All Access pass holders only | Gold Room - Banquet Level

12:00pm - 1:00pm
Events

Sponsor Tabletop Setup | Regency Foyer - Banquet Level

1:00pm - 5:00pm
Events

Opening Remarks & Keynote: Ops is More Than Just DevOps | Regency Ballroom - Banquet Level

6:00pm - 7:15pm
Events

When you hear the word Ops right now, it's natural to think of DevOps in our IT industry. DevOps is about the culture, processes and teams involved in modern application deployment. It's NOT the re-organization or replacement of the IT Operations team. There is a future for Ops despite Serverless technologies or CI/CD Pipelines. Modern IT Operations is a hybrid approach based on sound principles and a tribal knowledge of your organization's environment. Now is the time to influence how we shape this and how you can contribute. Lets take some time to reflect on what our options are and where we should be making personal investments.

Participants

Keynote Speaker: Rick Claus - Cloud Ops Advocate, Microsoft

Welcome Reception & Sponsor Showcase | Regency Foyer - Banquet Level

7:15pm - 8:30pm
Events

Hackathon Kick-Off | Regency Ballroom - Banquet Level

8:30pm - 9:00pm
Events

SCHEDULE
MONDAY, OCTOBER 15 - 15/10/2018

TIME	CLOUD PLATFORM PRECONFERENCE WORKSHOP 1	TERRACE ROOM	CLOUD PLATFORM PRECONFERENCE WORKSHOP 2	ROYAL ROOM	CLOUD PLATFORM PRECONFERENCE WORKSHOP 3	FOUNTAIN ROOM	DATA PLATFORM PRECONFERENCE WORKSHOP 1	FAR EAST ROOM	DATA PLATFORM PRECONFERENCE WORKSHOP 2	STATE ROOM	DEVELOPER PLATFORM PRECONFERENCE WORKSHOP 1	GARDEN ROOM	DEVELOPER PLATFORM PRECONFERENCE WORKSHOP 2	CONTINENTAL ROOM	DEVELOPER PLATFORM PRECONFERENCE WORKSHOP 3	EXECUTIVE ROOM	EVENTS	REGISTRATION
7:00AM									**7:00am** - Continental Breakfast | for All Access pass holders only | Gold Room - Banquet Level	**7:00am** - Registration Open Hours | Regency Foyer - Banquet Level
8:00AM	**8:00am** - ConfigMgr and Azure - A Flexible, Powerful and Compelling Combination!	**8:00am** - Going Serverless Using Azure	**8:00am** - Migrating to Windows 10 - Notes From the Field	**8:00am** - From Beginning to Expert SQL Programmer in One Day	**8:00am** - Practical Performance Monitoring	**8:00am** - Mastering ASP.NET Core, Angular 6 and EF Core	**8:00am** - Progressive Web Apps From Beginner to Expert	**8:00am** - CANCELLED: Build Intelligent Applications with A.I. Technologies		
9:00AM										
10:00AM										
11:00AM										
12:00PM									**12:00pm** - Lunch & Networking | for All Access pass holders only | Gold Room - Banquet Level	

SCHEDULE
MONDAY, OCTOBER 15 - 15/10/2018

TIME	CLOUD PLATFORM PRECONFERENCE WORKSHOP 1 | TERRACE ROOM	CLOUD PLATFORM PRECONFERENCE WORKSHOP 2 | ROYAL ROOM	CLOUD PLATFORM PRECONFERENCE WORKSHOP 3 | FOUNTAIN ROOM	DATA PLATFORM PRECONFERENCE WORKSHOP 1 | FAR EAST ROOM	DATA PLATFORM PRECONFERENCE WORKSHOP 2 | STATE ROOM	DEVELOPER PLATFORM PRECONFERENCE WORKSHOP 1 | GARDEN ROOM	DEVELOPER PLATFORM PRECONFERENCE WORKSHOP 2 | CONTINENTAL ROOM	DEVELOPER PLATFORM PRECONFERENCE WORKSHOP 3 | EXECUTIVE ROOM	EVENTS	REGISTRATION
1:00PM									**1:00pm** - Sponsor Tabletop Set-up | Regency Foyer - Banquet Level	
2:00PM										
3:00PM										
4:00PM										
5:00PM										
6:00PM									**6:00pm** - Opening Remarks & Keynote: Ops is More Than Just DevOps | Regency Ballroom - Banquet Level	
7:00PM									**7:15pm** - Welcome Reception & Sponsor Showcase | Regency Foyer - Banquet Level	

SCHEDULE
MONDAY, OCTOBER 15 - 15/10/2018

TIME	CLOUD PLATFORM PRECONFERENCE WORKSHOP 1	TERRACE ROOM	CLOUD PLATFORM PRECONFERENCE WORKSHOP 2	ROYAL ROOM	CLOUD PLATFORM PRECONFERENCE WORKSHOP 3	FOUNTAIN ROOM	DATA PLATFORM PRECONFERENCE WORKSHOP 1	FAR EAST ROOM	DATA PLATFORM PRECONFERENCE WORKSHOP 2	STATE ROOM	DEVELOPER PLATFORM PRECONFERENCE WORKSHOP 1	GARDEN ROOM	DEVELOPER PLATFORM PRECONFERENCE WORKSHOP 2	CONTINENTAL ROOM	DEVELOPER PLATFORM PRECONFERENCE WORKSHOP 3	EXECUTIVE ROOM	EVENTS	REGISTRATION
8:00PM									**8:30pm** - Hackathon Kick-Off | Regency Ballroom - Banquet Level	

SESSIONS
TUESDAY, OCTOBER 16 - 16/10/2018

IT/Dev Connections

October 15 - 18, 2018
Fairmont Dallas
Dallas, TX

Registration Open Hours | Regency Foyer - Banquet Level

7:00am - 5:30pm
Registration

Continental Breakfast & Networking | Regency Ballroom - Banquet Level

7:30am - 8:30am
Events

CANCELLED: Building a Mobile Enterprise Application with Xamarin.Forms, Docker, MVVM and .NET Core

8:30am - 9:45am
Gold Room

Mobile applications are getting more and more complex, and the requirements for apps change all the time. It's vital that we build a flexible and modern architecture, both in the app and in the backend. This means that applications need to be built out of several, smaller components that work together seamlessly. In this session, we will explore an end-to-end architecture for building a modern enterprise mobile app and its backend. The app is built using Xamarin.Forms, based on the Model–View–ViewModel (MVVM) principles. This results in clear separation of concerns and promotes loose coupling, making changes to the functionality easier to test and implement. On the backend, the application talks with a microservice-based API, built with ASP.NET Core and hosted with Docker. By the end of the session, you will have a good idea on how to create modern mobile apps.

Top Down SQL Server Security

8:30am - 9:45am
Parisian Room

In this session, attendees who are looking to secure SQL Server will learn guiding principles for building a secure system and then be shown how to apply them to SQL Server. Also discussed will be why certain options typically get selected. There are other areas that provide additional security or additional auditing to detect a security incident—this session will provide insight into those. Finally, we'll learn how to automate our customized SQL Server builds, even if we're starting with a provided solution in the cloud.

PPT Download

Participants

Speaker: Brian Kelley - Infrastructure Architect, Truth Solutions, LLC

Introduction to Kubernetes - Beyond Hello World

8:30am - 9:45am
Pavilion Room

Kubernetes continues to grow in popularity as a way to manage containers. In this session, we will take an in-depth look at Kubernetes, with the goal answering these questions: - What is container scheduling and why is it important? - How does Kubernetes facilitate running containers at scale? - How do I get started with Kubernetes? - How do I run a real-world workload on Kubernetes? - What are some advanced Kubernetes features that make it appealing?

PPT Download

Participants

Speaker: Neil Peterson - Content Developer, Microsoft Inc.

Mastering the Move to Modern Management Using ConfigMgr

8:30am - 9:45am
Oak Room

Want to lessen the risks when migrating to modern PC management? In this session, we will demonstrate how to do so with VMware Workspace ONE through co-management with ConfigMgr for your Windows 10 devices. This session will focus on moving workloads (devices, users, apps, collections) and use cases to modern management so you can reduce time spent on mundane IT tasks and focus on driving value for your business. You will learn all of the options available today as well as best practices for beginning your journey.

PPT Download

Participants

Co-Speaker: Brooks Peppin - EUS Information Systems Engineer, VMware

Co-Speaker: Josue Negron - Senior Solutions Architect, VMware

Birds of a Feather: Speaking Management-ese - Breaking Through the Communication Barrier

8:30am - 9:45am
Far East Room

You spend your day working, thinking, and communicating in terms of technology. But when it comes time to make your case in front of your boss, the CEO, or the Board of Directors, they're not understanding what your dishing out.

So, how can you better communicate in a way that management understands?

In this BoF session, join three-time Marketing executive-turned Technical Evangelist, Nick Cavalancia, and technologist-turned Manager at KMPG, Anders Eide, as they discuss with you ways to better engage with management, get your point across, and speak in "management-ease".

Participants

Discussion Leader: Nick Cavalancia - Technical Evangelist, Techvangelism

Discussion Leader: Anders Eide - Manager, KPMG

Code to DI For – Dependency Injection for Modern Applications

8:30am - 9:45am
Garden Room

In this session, you'll enter the heroic world of super spies and James Bond as we introduce the concepts of factories, strategy pattern, Inversion of Control, dependency injection and several of the available frameworks. We'll look at common dependency injection patterns and various IoC/DI frameworks, including the pros and cons, practical steps and guidance. We'll also provide real-world scenarios with impact to unit testing and application architecture. You should walk away from this session with a new appreciation of DI for your code—and you'll be humming the James Bond theme song for the rest of the week.

PPT Download

Participants

Speaker: Caleb Jenkins - Team Leader, Technology, Quicken Loans

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IT/Dev Connections

October 15 - 18, 2018
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Dallas, TX

R in Power BI for Absolute Beginners

8:30am - 9:45am
Fountain Room

In this session, we'll look at powerful but simple-to-use datatypes in R such as data frames. The session will also give attendees a chance to upgrade their data analysis skills by looking at R data transformation using a powerful set of tools to make things simple: the tidyverse. Then, we will look at integrating our R work into Power BI, and visualizing our data using beautiful visualizations with R and Power BI. Finally, we will share our work by publishing our Power BI project, with our R code, to the Power BI service. We will also look at refreshing our dataset so that our new dashboard has refreshed data.

PPT Download

Participants

Speaker: Jennifer Stirrup - Director, Data Relish Ltd

Exploring Deep Learning AI in the Cloud: Bringing AI to all Devs via Cloud Services

8:30am - 9:45am
Executive Room

When people think of Artificial Intelligence (AI), typically they think of human-like thinking robots or futuristic scenes of self-aware computers taking over the world. But AI goes well beyond the automatons of science fiction into the very real world of modern day advanced computer science.

In this session, we will explore the new AI cloud-native deep learning technologies to add the power of artificial intelligence to your applications for: natural language understanding (NLU), automatic speech recognition (ASR), visual search and Image recognition, text-to-speech (TTS).

We will provide overviews and demos of the AI services:

Conversational Bots

Image recognition and analysis

Synthesize Lifelike speech

Neural language translation

PPT Download

Participants

Speaker: Tara Walker - Principal Software Engineer, Microsoft Corporation

A Journey to DynamoDB and Maybe Away from DynamoDB

8:30am - 9:45am
Royal Room

A year after moving to DynamoDB, the rumblings began: "Maybe we need a new database." Why would a growing startup switch from a leading NoSQL database to DynamoDB, only to be contemplating a new database a year later? Is such a move even necessary? In this session, we'll cover our DynamoDB journey: why we chose DynamoDB, how we moved to it, and the problems we encountered and how we overcame them. We'll also look at where DynamoDB is headed and where we are headed. By the end of this session, you'll know why you may want to consider DynamoDB; what challenges you'll likely encounter with scaling, design, local development, backups and failover; and why you may want to look beyond DynamoDB.

PPT Download

Participants

Speaker: Adam Dockter - VP Engineering, ServiceTarget

Develop Blockchain Applications with Azure Blockchain Workbench

8:30am - 9:45am
State Room

Blockchain has captured the collective curiosity of the business and technology world for streamlining business processes, verifying transactions, and reducing the potential for fraud. This session introduces Blockchain as a Service in Azure as a platform for building decentralized applications and enterprise smart contracts that run on Ethereum, completely provisioned in Azure. With focus on Azure Blockchain Workbench, a tool that is part of an ecosystem of services in Azure, along with Azure Confidential Computing and the Coco Framework, in this session you will understand what it takes to build blockchain applications for the enterprise by meeting requirements for governance, security and scalability. You will see how Blockchain Workbench orchestrates several Azure services, including Service Bus, Active Directory, Key Vault, SQL Server, around popular blockchain digital ledgers and into a reference architecture that can be used to build blockchain based applications.

PPT Download

Participants

Speaker: Paul Swider - CTO, RealActivity

Polybase In Action

8:30am - 9:45am
Terrace Room

Polybase is Microsoft's newest way of integrating SQL Server with external systems such as Hadoop and Azure Blob Storage. In this session, we will connect SQL Server to an on-premises Hadoop cluster as well as Azure Blob Storage, writing T-SQL queries to retrieve remote data. We will then use DMVs and other resources to show what the Polybase engine is doing behind the scenes. Finally, we will look at interesting use cases for Polybase.

PPT Download

Participants

Speaker: Kevin Feasel - Engineering Manager, Predictive Analytics, ChannelAdvisor

Networking Break & Sponsor Showcase | Regency Foyer - Banquet Level

9:45am - 10:15am
Events

Securing Office 365 with Conditional Access

10:15am - 11:30am
Gold Room

In this session, we'll explore the configuration and management of Conditional Access for Office 365 and Azure. Through a combination of lectures and demos, you will learn how to protect your resources with Conditional Access. Once we have Conditional Access set up and running, we'll demonstrate the process of testing and troubleshooting user authentication to various applications and in various situations.

PPT Download

Participants

Speaker: Nathan O'Bryan - Consultant, MCSMLab

SESSIONS
TUESDAY, OCTOBER 16 - 16/10/2018

Designing for Failure: Disaster Recovery Using AWS

10:15am - 11:30am
Parisian Room

Disasters come in many flavors and can strike anytime. Maintaining business continuity and minimizing financial impact after an unexpected event are critical for every business, from startups to large enterprises. In this session, we will cover several different approaches to disaster recovery for hybrid-cloud as well as cloud-native infrastructure using Amazon Web Services (AWS). We will deep dive on how to plan for disasters, architecture designs that meet your uptime requirements while being cost-efficient, and testing your disaster recovery plans before a disaster actually strikes. On traditional physical environments, planning for disaster recovery requires procuring, installing and maintaining spare capacity which typically remains underutilized or overprovisioned. With AWS, you can scale your infrastructure on an as-needed, pay-as-you-go basis with the flexibility to quickly change and optimize resources during a disaster recovery event, which can result in significant cost savings.

PPT Download

Participants

Speaker: Karan Desai - Solutions Architect, Amazon Web Services (AWS)

DevOps, Continuous Integration & Automated Testing: Rule Them All

10:15am - 11:30am
Pavilion Room

Do you want to make your deployments risk-free? Do you want to deliver business values to your customers faster? Do you want to increase the efficiency of your team? Are your application and database deployments separate processes? Do you encounter issues while deploying your database changes? Do you want to automate your testing process? Is your database slowing you down? If the answer to any of the questions is yes, then this presentation is for you. After attending this session, you'll understand the problems with traditional database development and why organizations are moving toward achieving continuous integration and database DevOps. You'll also learn about the toolsets that will assist you in this journey toward painless database deployments.

PPT Download

Participants

Speaker: Samir Behara - Solution Architect, EBSCO Industries

ASP.NET Core Loves Docker: From 0 to Azure in 75 Minutes

10:15am - 11:30am
Oak Room

Containers are here, and they're here to stay. And as a developer, the good news is that Visual Studio 2017 makes containerizing our applications a breeze. In this session, we'll port a non-trivial ASP.NET Core solution to Docker. After executing it locally on our machine, we'll explore which options we have to run it on the cloud and we'll deploy it to AKS (managed Kubernetes) in Azure.

PPT Download

Participants

Speaker: Marco De Sanctis - Independent Solutions Architect, Cloud Consult London Ltd

Patch Tuesday: Patching your Endpoints with ConfigMgr

10:15am - 11:30am
Continental Room

Patching servers and computers is often a cumbersome and stressful task. However, a good patching methodology helps mitigate the effects of endpoint security vulnerabilities and avoid patching pitfalls. This session will teach Systems Administrators how to manage and deploy monthly Microsoft security patches as well as third-party application patches using ConfigMgr. It will also provide instructions on leveraging maintenance windows, automatic deployment rules and server group features for additional flexibility and control.

Participants

Speaker: Harjit Dhaliwal - Technology Evangelist, Tech Konnect

The Bad Guys Are Winning: Why your Security Strategy Isn't Working

10:15am - 11:30am
Far East Room

No matter how much organizations labor to secure their networks from external attacks, they are still falling victim to them via malware, vulnerabilities, phishing and social engineering. Is winning the battle a non-starter, or is your security stance simply not strong enough? In this interactive session, we will discuss the state of the security strategy (are we even trying?), the state of the threat and how to win the battle and (possibly) the war. We will also take a technical dive into threat actions.

PPT Download

Participants

Speaker: Nick Cavalancia - Technical Evangelist, Techvangelism

Achieve More in Less Time by Using the New SQL PowerShell

10:15am - 11:30am
Garden Room

Microsoft's official PowerShell module for SQL Server offers faster ways to manage your entire data-loving world. In this session, we'll show you the best new features in the new SQL Server module and why every data professional will find it useful. Prior to SQL Server 2016, using SQL PowerShell was like installing training wheels on a Ducati. The SQL Tools team changed all that by working with the community to prioritize improvements to SQL PowerShell. Additionally, they've started releasing regular updates. The SQL Server team has already delivered new cmdlets to help you manage SQL Agent Jobs, SQL Error Logs, and Add & Remove Logins. A favorite new feature is how you can now query multiple sources (SQL, csv files, etc.) and combine the results easily. By leveraging .NET DataTables, you can insert those results into SQL Server in a streamlined way. By the end of this session, you'll have a taste of all the new capabilities in SQL PowerShell.

Participants

Speaker: Aaron Nelson - Data Architect, Paya

Do you Know Your Vendor Dependencies?

10:15am - 11:30am
Fountain Room

You're only as secure as your weakest link—and that includes not just your employees but your vendors and their employees too. You can't protect your data if you don't know who has access to it, nor what they're doing with it. Unfortunately, most companies have no idea how many systems and people have access to their data. This session will cover why your vendors need to perform ongoing vulnerability scanning (with tools like Threat Stack); why they need to perform an annual penetration test and allow you to review those tests; why they need to be able to demonstrate how they remediated any identified security holes; why you should insist on compliance certifications (SOC2 or ISO20071); and why your vendors should establish notification thresholds <24 hours for data breaches.

PPT Download

Participants

Speaker: Elizabeth Zalman - Co-Founder & CEO, strongDM

SESSIONS
TUESDAY, OCTOBER 16 - 16/10/2018

IT/Dev Connections

October 15 - 18, 2018
Fairmont Dallas
Dallas, TX

Securing and Monitoring your Infrastructure and Applications on AWS

10:15am - 11:30am
Executive Room

Securing your infrastructure and applications in the Amazon Web Services (AWS) cloud doesn't have to be daunting. In this session, you'll discover that, with a variety of security tools and services at your fingertips, you can quickly discover account-level and network-level activity, secure access to cloud resources at a granular scale, and react quickly to security and operational incidents.

Participants

Speaker: Trevor Sullivan - Solutions Architect, Amazon Web Services

It's Called ElasticSearch, What do You Mean You Use it for Analytics?

10:15am - 11:30am
Royal Room

Did you know you can use one of the most popular search engines for analytics? In this session, you'll hear how we leverage the AWS Elasticsearch service to not only drive standard searching but also power analytics and insights into how our platform is used. We'll discuss how we set up AWS Elasticsearch for a large multitenant SaaS application and how we extended beyond standard document storage and search to provide real-time analytics to our customers on how their online self-service experience is working. In addition, we'll discuss our setup and configuration of Elasticsearch, how we manage backups and failovers, and how we plan to manage never-ending data growth in our indexes.

PPT Download

Participants

Speaker: Adam Dockter - VP Engineering, ServiceTarget

Monster Text Manipulation: Regular Expressions for the DBA - 100% Demos!

10:15am - 11:30am
Terrace Room

Regular expressions can help you perform incredible tasks with very little effort. Need to create 1,700 logins from an email request? Did developers give you a single script with 300 stored procedures filled with table variables instead of temp tables? Need to move 500 databases to a different drive? Such tasks typically take a long time to code, but regular expressions cut that work from several days to just a few minutes or even from hours to seconds. In this session, you'll learn how to use regular expressions to significantly decrease the time it takes to do tasks. Stop writing code manually and let regular expressions do it for you.

This is a 100% demo session with lots of class participation!

Participants

Speaker: Sean McCown - Lead Architect, MinionWare

Lunch & Networking | Regency Ballroom - Banquet Level

11:30am - 12:30pm
Events

Wrapping your Head Around Europe's GDPR

12:30pm - 1:45pm
Gold Room

The European Union's General Data Protection Regulation (GDPR) represents a paradigm shift in the global privacy requirements that govern how organizations manage and protect personal data while respecting individual choice—no matter where the data is sent, processed or stored. The GDPR introduces new requirements on privacy, security and compliance for organizations that offer goods and services to EU residents. This session will show you how to simplify your path to GDPR compliance as well as which technologies to implement to help you prepare to comply with the GDPR.

PPT Download

Participants

Speaker: Adnan Hendricks - Solutions Architect, Microspecialist Consulting

Migrate to AWS with the Server Migration Service

12:30pm - 1:45pm
Pavilion Room

This session will demonstrate a multiserver migration from an on-premises hypervisor into AWS using Amazon's own AWS Server Migration Service. You'll be able to follow the process from the beginning to the end, including the preparation of your local environment up to the server successfully running in AWS.

PPT Download

Participants

Speaker: Dave Evans - Cloud Architect, PCM

Hacking Everything - The Dark Side of the Internet of Things

12:30pm - 1:45pm
Oak Room

With the Internet of Things (IoT), essentially everything becomes a computer. We know that computers can be hacked. This means that everything can be hacked including cars, home appliances, medical devices and more. This session will give examples of IoT hacks and the consequences of not getting security right as we move to this important new technology.

PPT Download

Participants

Speaker: Jeff Crume - Distinguished Engineer, IBM

Infrastructure as Code - PowerShell in the Real World

12:30pm - 1:45pm
Continental Room

Did you know you can use PowerShell to do everything in your infrastructure? In this session, we'll demonstrate how to build and manage a complete infrastructure using nothing but PowerShell. We will also show you how to transform the way you work today into code-based work. Welcome to a world of VSCode.

PPT Download

Participants

Speaker: Mikael Nystrom - MVP & Principal Technical Architect, TrueSec AB

SESSIONS
TUESDAY, OCTOBER 16 - 16/10/2018

Blockchain Demystified for Business Intelligence Professionals

12:30pm - 1:45pm
Garden Room

Session details coming soon.

PPT Download

Participants

Speaker: Jennifer Stirrup - Director, Data Relish Ltd

Building a Better Mousetrap: Deploying and Managing IoT Solutions for ITPros

12:30pm - 1:45pm
Fountain Room

This session provides tactical guidance to IT pros on how to deploy and manage their IoT solutions in the enterprise, on-premises, in Microsoft Azure or on Azure Stack. Special emphasis is placed on making IoT relevant to the IT pro audience through end-to-end demos of IoT solution accelerators, device provisioning, device management, data integration and management (even with serverless architectures), and much more.

PPT Download

Participants

Speaker: Anthony Bartolo - Sr. Cloud Ops Advocate, Microsoft Corp

Birds of a Feather: Running a Successful User Group

12:30pm - 1:45pm
Executive Room

Running a successful user group can be a lot of work, but the rewards of building a community are numerous. In this attendee-driven discussion, we will share information and develop insights into how to make your user group more successful, including finding the right venue, locating speakers, developing community contacts, and building the personal and corporate infrastructure needed to ensure your user group survives the test of time. Whether you are an expert user group coordinator, a recent user group owner, or somebody interested in starting a group, we welcome you to bring your questions and share your experiences with us.

Participants

Discussion Leader: Kevin Feasel - Engineering Manager, Predictive Analytics, ChannelAdvisor

Are you Still Imaging on Windows 10? How to Make the Transition to Modern Device Provisioning

12:30pm - 1:45pm
Royal Room

Traditional imaging takes a lot of time to set up, maintain and administer. And then there's the often-poor experience delivered to your end users. Learn how VMware AirWatch Unified Endpoint Management (UEM) enables a simplified and streamlined platform so you can get out of the imaging game and deliver a user experience your customers will love! We'll deep dive into how you can seamlessly make this journey, with this session including best practices, our challenges, lessons learned, plus tips and tricks.

PPT Download

Participants

Co-Speaker: Brooks Peppin - EUS Information Systems Engineer, VMware

Co-Speaker: Josue Negron - Senior Solutions Architect, VMware

AWS Storage for the SQL Server DBA

12:30pm - 1:45pm
State Room

Operational and performance DBAs must walk a tightrope to deliver the best database performance possible within the constraints of departmental budgets. This means finding the right trade-off between storage performance and cost, an exercise that is getting more challenging as the public cloud offers more and more specialized options for storage. In this session, we will discuss each of the storage options available on Amazon Web Services, trade-offs between these options and real-world situations where each is appropriate.

PPT Download

Participants

Speaker: Rick Lowe - Principal, Data FLowe Solutions LLC

Amazon Web Services RDS with SQL Server

12:30pm - 1:45pm
Terrace Room

Do you want to make more SQL Servers but don't want to invest in more hardware? Then Relational Database Service (RDS) in Amazon Web Services (AWS) may be the right choice for you. In this session, we will create a server using the Amazon Web Console, explore how to automate installation through Cloud Formation, learn how to administrate the service and walk through advanced features. Whether you are familiar with AWS or are brand new to it, this presentation will at least give you a good overview to decide if RDS is the right service for you.

Participants

Speaker: Christopher Wolff - Data Specialist, Xero, Inc.

Networking Break & Sponsor Showcase | Regency Foyer - Banquet Level

1:45pm - 2:15pm
Events

DevOps: Security Strikes Back

2:15pm - 3:30pm
Gold Room

In DevOps processes, security is often forgotten. One solution is to implement security as part of the DevOps process. DevOps processes use a number of features, such as infrastructure as a code or configuration as a code, that can be used to bolster security.

PPT Download

Participants

Co-Speaker: Mustafa Toroman - System Engineer, Azure MVP, Authority Partners

Co-Speaker: Sasha (Sasa) Kranjac - Azure and Security Specialist, CEO, Kranjac - IT Training and Consulting

SESSIONS
TUESDAY, OCTOBER 16 - 16/10/2018

IT/Dev Connections

October 15 - 18, 2018
Fairmont Dallas
Dallas, TX

CANCELLED: Using Docker to Quick Start Development with the SharePoint Framework

2:15pm - 3:30pm
Parisian Room

Want to try out the new SharePoint Framework to see what all the fuss is about, but don't want to install a million new things on your laptop? Docker to the rescue! Docker is a container that you can use to install all the components needed for the SharePoint Framework, like NPM, React or Angular, Node.js, etc. In this session, we'll cover what the SharePoint Framework is, compare and contrast it to the traditional SharePoint Developer toolset, and then demonstrate how to create a Docker container in Azure that has all the new SharePoint Framework dependencies installed in it. We'll use this new Docker container to run the SharePoint Framework and use Visual Studio Code to create a few new Modern SharePoint Framework web parts.

Continuous Deployment for Serverless Applications

2:15pm - 3:30pm
Pavilion Room

In this session, we will go through the various Amazon Web Services (AWS) services you will need to set up a robust deployment system for your serverless applications using services like CodePipeline, CloudFormation and CodeBuild. We will also take a look at weighted deployments and show how to implement them using these services.

PPT Download

Participants

Speaker: Turner Houghton - Junior Cloud Engineer, Home Technology Services

Single Sign-On Showdown: ADFS vs Pass-Through Authentication

2:15pm - 3:30pm
Oak Room

Don't miss this cage match, with ADFS and Azure AD Pass Through Authentication (PTA) going head to head. Both ADFS and PTA are good methods for providing single sign-on to Azure AD (and other services) from domain-joined machines, but which is better? We'll dive deep into topics such as security, reliability, scalability, feasibility and more, with live demos. We will even do a demo migration of ADFS to PTA. Which will win? Come to find out!

PPT Download

Participants

Speaker: Max Fritz - Solutions Architect, SADA Systems

Real-World Case Study: Push your App to Enterprise Scale with Advanced SQL Server Features

2:15pm - 3:30pm
Continental Room

Your OLTP database application sustains a heavy, mixed workload with a lot of read and write transactions at the same time reports are delivered from the database to a client application. Performance was fine for a long time, but it is no longer meeting your needs now that it must scale to much higher workloads. What should you do? In this real-world case study, you'll learn about a series of technologies that provide unprecedented scalability, including data compression, In-Memory OLTP and clustered, partitioned columnstore indexes. We will walk you through a chronology of the application and database architecture, its changes over time and the degree of performance improvement achieved with each new SQL Server feature applied. This session will teach you all about planning and implementing advanced SQL Server performance features and how each one impacts your system performance for applications with 100s or 1,000s of concurrent users.

PPT Download

Participants

Speaker: Kevin Kline - Principal Program Manager, SentryOne

Data Analytics with Azure Cosmos Schema-less Data and Power BI

2:15pm - 3:30pm
Far East Room

There's good news for developers and data analysts—it's possible to have rapid application development and analytics with the same data source, using Azure Cosmos DB and Power BI. Azure Cosmos DB is a schemaless database, so how is it possible to analyze and create reports of the data for analytics and business intelligence tools? A single Azure Cosmos DB database is great for rapid application development because it can contain JSON documents of various structures, but this needs careful data visualization. In this session, we will analyze and create reports of Azure Cosmos data using Power BI, looking at data from both developer and data analyst aspects.

PPT Download

Participants

Speaker: Jennifer Stirrup - Director, Data Relish Ltd

Introduction to Enterprise Blockchain

2:15pm - 3:30pm
Garden Room

Blockchain technology is growing in popularity, but how can you best put it to use? In this session, you'll learn how to implement private blockchain networks, as well as learn how organizations can use enterprise blockchain to build smart contracts to automate process and exchange. You'll also learn how a blockchain can be used for secure transactions and persisted long-term storage.

PPT Download

Participants

Speaker: Paul Swider - CTO, RealActivity

What Hidden Dangers are Lurking in your SSIS Packages?

2:15pm - 3:30pm
Fountain Room

Could your seemingly normal SQL Server Integration Services (SSIS) package be hiding a disaster, waiting to detonate at the most inconvenient time? Integration Services is an incredibly flexible product, and that flexibility can lead to good—and occasionally bad—design patterns. Small and seemingly trivial design decisions can lead to big issues down the road, including leaky data flows, data quality issues, paralyzing performance problems and other explosive behaviors. In this session, we will explore some of the most common SSIS design patterns that are potentially more harmful than they first appear. From package configuration to control flow constraints, and data flow transformations to logging, we'll demonstrate what can go wrong and show some alternative designs that can prevent these types of problems from developing into bigger issues.

PPT Download

Participants

Speaker: Tim Mitchell - Founder and Principal Data Architect, Tyleris Data Solutions LLC

SESSIONS
TUESDAY, OCTOBER 16 - 16/10/2018

IT/Dev Connections

October 15 - 18, 2018
Fairmont Dallas
Dallas, TX

Securing, Protecting, and Managing the Flow of Corporate Communications

2:15pm - 3:30pm
Executive Room

Simple Mail Transport Protocol, or as it is better known, SMTP, should be simple. It says so in the name. However, the internet of today is not what is was when SMTP was designed. In this session, we will discuss best practices, security measures and other aspects that will enable you to master the control of mail. Topics will include transport encryption of SMTP; spam filtering concepts (recipient filtering, tar pitting, reverse DNS, etc.); anti-spoofing methods (SPF, DMARC, DKIM); encryption of messages (not transport); and DANE and SMTP STS.

PPT Download

Participants

Speaker: Dave Stork - Architect/Senior Technical Specialist, OGD ict-diensten

Getting your Database off to a Right Start

2:15pm - 3:30pm
Royal Room

When creating a new database, how do you ensure it will shine when things get tough? How many times, when database objects are created with all the defaults, have you seen your database become out of control due to the size, amount of data or even activity? If you want to ensure your database and the objects contained in it can scale and perform well as it grows, you need to do the proper homework before ever creating the database. In this session, we will walk through the various factors that affect performance and scalability under real-life conditions and help you understand how to properly configure databases up front to avoid issues down the road. Scalability is all about having a proper foundation to build on.

PPT Download

Participants

Speaker: Andrew Kelly - Senior Technical Subject Matter Expert, B3 Group Inc.

Building Enterprise Blockchain Applications

2:15pm - 3:30pm
State Room

While blockchain yields an impressive list of benefits to business applications and business processes, it is a technology that few understand and are able to use effectively. That's because such obstacles as cost, complexity and lack of resources hinder implementation. This session will provide an overview on building out blockchain applications - what steps to take to analyze, design, develop, implement, and evaluate a decentralized application that leverages blockchain in a truly utilitarian manner - what stakeholders to involve, questions to ask, and resources to leverage.

Additional items on the agenda:

· The Blockchain Application Stack Blueprint - how blockchain fits into both the data and client tiers of an application stack.

· A discussion on the current blockchain landscape - where technologies like Ethereum, Tangle, Hyperledger Fabric, FlureeDB, and others solve problems; and where they do not.

· Consensus: when to use it, and its hidden costs - as a defining characteristic of blockchain, consensus is important for decentralized applications. But the standard Enterprise application needs to store more data than any public blockchain could reasonably handle - and most application data does not need blockchain consensus. Brian offers the solution in partitioning data sets to lie on multiple Distributed Ledgers, some with blockchain consensus (either public or shared), and some kept completely internally.

· Blockchain Data Problem - Why the vast amount of business application data leaves a universal integration issue for enterprise blockchain projects -- and a few steps you can take to solve it.

PPT Download

Participants

Speaker: Brian Platz - Co-CEO, Fluree PBC

Web Application Security Today: All you Need to Know

2:15pm - 3:30pm
Terrace Room

9 out of 10 developers will claim that they are proficient in web application security but a recent study seems to contradict this claim. The study showed that that 9 out of 10 web sites have security vulnerabilities, indicating that a more profound knowledge of all relevant threats and countermeasures is paramount. This session will use the presenter's 15+ years experience in web application security and de-facto standard web application security guidelines (like the OWASP Top Ten and the CWE/SANS Top 25) to demonstrate, discuss, and fix various security vulnerabilities. Attendees will hear not only about those issues, but see them in action in relation to mitigating the risks from examples of high-profile incidents.

PPT Download

Participants

Speaker: Christian Wenz - CEO, Actition GmbH

Daily Debrief: Cloud Platform

3:30pm - 5:30pm
Parisian Room

Participants

Moderator: David O'Brien - Cloud Track Chair | Director, Xirus PTY LTD

Daily Debrief: Developer Platform

3:30pm - 5:30pm
Pavilion Room

Participants

Moderator: Chander Dhall - Developer Platform Track Chair | CEO, Cazton, Inc.

Daily Debrief: Data Platform

3:30pm - 5:30pm
Oak Room

Participants

Moderator: Mindy Curnutt - Data Platform Track Chair | Business Owner & 4X Microsoft Data Platform MVP, Mindy Curnutt & Associates Consulting

Daily Debrief: Security Platform

3:30pm - 5:30pm
Fountain Room

Participants

Moderator: Andrew Baker - Security Track Chair | Virtual CIO & Technology Executive, BrainWave Consulting

SCHEDULE
TUESDAY, OCTOBER 16 - 16/10/2018

TIME	CONTINENTAL ROOM	EVENTS	EXECUTIVE ROOM	FAR EAST ROOM	FOUNTAIN ROOM	GARDEN ROOM	GOLD ROOM	OAK ROOM	PARISIAN ROOM	PAVILION ROOM	REGISTRATION	ROYAL ROOM	STATE ROOM	TERRACE ROOM
7:00AM		7:30am - Continental Breakfast & Networking | Regency Ballroom - Banquet Level									7:00am - Registration Open Hours | Regency Foyer - Banquet Level			
8:00AM			8:30am - Exploring Deep Learning AI in the Cloud: Bringing AI to all Devs via Cloud Services	8:30am - Birds of a Feather: Speaking Management-ese - Breaking Through the Communication Barrier	8:30am - R in Power BI for Absolute Beginners	8:30am - Code to DI For – Dependency Injection for Modern Applications	8:30am - CANCELLED: Building a Mobile Enterprise Application with Xamarin.Forms, Docker, MVVM and .NET Core	8:30am - Mastering the Move to Modern Management Using ConfigMgr	8:30am - Top Down SQL Server Security	8:30am - Introduction to Kubernetes - Beyond Hello World		8:30am - A Journey to DynamoDB and Maybe Away from DynamoDB	8:30am - Develop Blockchain Applications with Azure Blockchain Workbench	8:30am - Polybase In Action
9:00AM		9:45am - Networking Break & Sponsor Showcase | Regency Foyer - Banquet Level												

SCHEDULE
TUESDAY, OCTOBER 16 - 16/10/2018

TIME	CONTINENTAL ROOM	EVENTS	EXECUTIVE ROOM	FAR EAST ROOM	FOUNTAIN ROOM	GARDEN ROOM	GOLD ROOM	OAK ROOM	PARISIAN ROOM	PAVILION ROOM	REGISTRATION	ROYAL ROOM	STATE ROOM	TERRACE ROOM
10:00AM	**10:15am** - Patch Tuesday: Patching your Endpoints with ConfigMgr		**10:15am** - Securing and Monitoring your Infrastructure and Applications on AWS	**10:15am** - The Bad Guys Are Winning: Why your Security Strategy Isn't Working	**10:15am** - Do you Know Your Vendor Dependencies?	**10:15am** - Achieve More in Less Time by Using the New SQL PowerShell	**10:15am** - Securing Office 365 with Conditional Access	**10:15am** - ASP.NET Core Loves Docker: From 0 to Azure in 75 Minutes	**10:15am** - Designing for Failure: Disaster Recovery Using AWS	**10:15am** - DevOps, Continuous Integration & Automated Testing: Rule Them All		**10:15am** - It's Called ElasticSearch, What do You Mean You Use it for Analytics?		**10:15am** - Monster Text Manipulation: Regular Expressions for the DBA - 100% Demos!
11:00AM		**11:30am** - Lunch & Networking | Regency Ballroom - Banquet Level												
12:00PM	**12:30pm** - Infrastructure as Code - PowerShell in the Real World		**12:30pm** - Birds of a Feather: Running a Successful User Group		**12:30pm** - Building a Better Mousetrap: Deploying and Managing IoT Solutions for ITPros	**12:30pm** - Blockchain Demystified for Business Intelligence Professionals	**12:30pm** - Wrapping your Head Around Europe's GDPR	**12:30pm** - Hacking Everything - The Dark Side of the Internet of Things		**12:30pm** - Migrate to AWS with the Server Migration Service		**12:30pm** - Are you Still Imaging on Windows 10? How to Make the Transition to Modern Device Provisioning	**12:30pm** - AWS Storage for the SQL Server DBA	**12:30pm** - Amazon Web Services RDS with SQL Server

SCHEDULE
TUESDAY, OCTOBER 16 - 16/10/2018

TIME	CONTINEN-TAL ROOM	EVENTS	EXECUTIVE ROOM	FAR EAST ROOM	FOUNTAIN ROOM	GARDEN ROOM	GOLD ROOM	OAK ROOM	PARISIAN ROOM	PAVILION ROOM	REGISTRA-TION	ROYAL ROOM	STATE ROOM	TERRACE ROOM
1:00PM		1:45pm - Networking Break & Sponsor Showcase | Regency Foyer - Banquet Level												
2:00PM	2:15pm - Real-World Case Study: Push your App to Enterprise Scale with Advanced SQL Server Features		2:15pm - Securing, Protecting, and Managing the Flow of Corporate Communications	2:15pm - Data Analytics with Azure Cosmos Schemaless Data and Power BI	2:15pm - What Hidden Dangers are Lurking in your SSIS Packages?	2:15pm - Introduction to Enterprise Blockchain	2:15pm - DevOps: Security Strikes Back	2:15pm - Single Sign-On Showdown: ADFS vs Pass-Through Authentication	2:15pm - CANCELLED: Using Docker to Quick Start Development with the SharePoint Framework	2:15pm - Continuous Deployment for Serverless Applications		2:15pm - Getting your Database off to a Right Start	2:15pm - Building Enterprise Blockchain Applications	2:15pm - Web Application Security Today: All you Need to Know
3:00PM					3:30pm - Daily Debrief: Security Platform			3:30pm - Daily Debrief: Data Platform	3:30pm - Daily Debrief: Cloud Platform	3:30pm - Daily Debrief: Developer Platform				

SESSIONS

WEDNESDAY, OCTOBER 17 - 17/10/2018

Registration Open Hours | Regency Foyer - Banquet Level

7:00am - 5:00pm
Registration

Continental Breakfast & Networking | Regency Ballroom - Banquet Level

7:30am - 8:30am
Events

Automating Azure with PowerShell - Beyond the Azure PowerShell Module

8:30am - 9:45am
Gold Room

Azure and PowerShell are a big deal, no question about it. However, are you aware that PowerShell capability in Azure IaaS extends well beyond what can be performed with the Azure PowerShell module? This session will detail the many ways in which one can engage with Azure and Azure virtual machines using PowerShell. This session will detail demonstrate the following features: Azure PowerShell Module, Azure VM DSC extensions, Azure VM Custom Script Extension and Azure Automation. We will quickly ramp you up on everything you need to select and use one or many options for Azure VM automation and configuration using PowerShell.

PPT Download

Participants

Speaker: Neil Peterson - Content Developer, Microsoft Inc.

SQL Server Forensics - Who Did What?

8:30am - 9:45am
Parisian Room

Inevitably, DBAs get asked, "Who made that change?" This is true whether we're talking about schema changes or modifications to data. Usually it's upper management who is screaming for this information, meaning we have to provide it immediately. It gets worse when we've had a data breach and we're trying to determine what the attacker walked away with. In this session, we'll examine where to look inside SQL Server to get answers to the basic questions: who, when, what and possibly how. We'll consider what options you have if nothing has been set up beforehand and then discuss what we can implement proactively to gather this information for when we need it.

PPT Download

Participants

Speaker: Brian Kelley - Infrastructure Architect, Truth Solutions, LLC

CANCELLED: Advanced Xamarin.Forms Development

8:30am - 9:45am
Pavilion Room

Xamarin.Forms is a great framework for building cross-platform apps with tremendous speed, although it does have its limitations. Microsoft has added numerous additions to the platform lately to enable creation of all the experiences that we may desire. In this session, Xamarin MVP Gill Cleeren will take you through the new (and older) approaches to build the UI you want (and need). We'll cover renderers, effects, behaviors, native control embedding and much more.

Mythbusting Web Performance

8:30am - 9:45am
Oak Room

The performance of web applications is more important than ever. Bad performance may lead to a lower search engine ranking, a decreased conversion rate—and unhappy users. These are just a few of the many reasons to make front-end performance optimization a mandatory step in your development process. However, advice that was relevant a few years ago is often made obsolete by new browser versions or new technologies like HTTP/2. In this session, we will cover several aspects of optimizing a site from a performance perspective, debunk some decade-old myths and present tools that help analyze a web site's performance.

PPT Download

Participants

Speaker: Christian Wenz - CEO, Actition GmbH

Logging and Auditing Machine Learning Predictions

8:30am - 9:45am
Continental Room

In this session, Steph Locke, who has spent the past five years operationalizing data science models, will show you a robust framework that'll work with R and Python models using your existing SQL Server implementation. This isn't the only way to do things, but this solution will fit easily into a SQL Server 2016+ database, helping you get models into production quickly and safely. Using SQL Server 2016+ with R/ML Services installed, attendees will use temporal tables and other new features to deploy models, log the results and then monitor using Power BI.

PPT Download

Participants

Speaker: Steph Locke - CEO, Locke Data Ltd

Insider Threats: Protecting Against the Threat You Can't See

8:30am - 9:45am
Far East Room

The trusted insider has considerable access to your organization's sensitive, critical and valuable data. However, since it is extremely difficult to recognize when the insider goes from "trusted" to "malicious," so much access increases the threat of data theft, fraud and even espionage. Making it even more difficult, the risk of insider threat can move from employee to employee without a clear indication of whom IT should be mindful. How then can you spot an insider threat? In this informative session, join industry expert Nick Cavalancia as he discusses: • Who's a potential risk: where to place your "insider" focus and when • How to spot the insider threat: what activity should you be monitoring? • Proactively building an Insider Threat Program

PPT Download

Participants

Speaker: Nick Cavalancia - Technical Evangelist, Techvangelism

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SQL Server on Linux and Containers: A Brave New World

8:30am - 9:45am
Fountain Room

Is it possible that SQL Server now runs on Linux? In this session, we'll cover the details of deploying and running SQL Server on Linux, including Red Hat, SUSE and Ubuntu. We'll go over the internals of the architecture and the unique aspects of using SQL Server on Linux. Also covered will be how SQL Server has embraced Docker containers, providing new scenarios not seen before with virtual machines, including support for Kubernetes and CI/CD pipelines. The session will be full of demos showing how to make the move to using SQL Server on Linux and Docker containers. If you are a MacBook user and want to run SQL Server with no virtualization or Windows installation, don't miss this session. This session will discuss the new features of SQL Server 2019 on Linux and containers.

PPT Download

Participants

Speaker: Bob Ward - Principal Architect, Microsoft

SESSIONS
WEDNESDAY, OCTOBER 17 - 17/10/2018

IT/Dev Connections

October 15 - 18, 2018
Fairmont Dallas
Dallas, TX

Leverage Blockchain to Solve Business Problems

8:30am - 9:45am
Garden Room

In this session, you'll learn what Microsoft has been up to with Blockchain technology, and how it is innovating in the field to serve customers. You'll also learn what companies can do to foster and nurture POCs and discoveries in Blockchain technologies. This is a great session for people who don't write code but want to learn about how Blockchain can transform their business—and find out how Microsoft is doing it.

PPT Download

Participants

Speaker: Derek Martin - Cloud Solution Architect, Microsoft

Birds of a Feather: The Good and the Bad of Patching Windows

8:30am - 9:45am
Executive Room

Join us in this session to discuss the good the bad and the ugly of performing updates. We share some of our experiences and invite you to do the same. A necessary evil we all have to deal with and with the agility and sometimes to us untested releases of patches we try and find ways to cope. Looking forward to hear your stories and ideas.

Participants

Discussion Leader: Adnan Hendricks - Solutions Architect, Microspecialist Consulting

Discussion Leader: Nathan O'Bryan - Consultant, MCSMLab

Can you Predict the Future of Unified Endpoint Management?

8:30am - 9:45am
Royal Room

Are you wondering what the future holds for unified endpoint management (UEM)? Then join us for an open discussion on solutions to manage iOS, Android, Mac OS and Windows devices. Share your predictions, and we will share what we have seen in the current market.

PPT Download

Participants

Panelist: Brooks Peppin - EUS Information Systems Engineer, VMware

Panelist: Josue Negron - Senior Solutions Architect, VMware

Panelist: Anthony Bartolo - Sr. Cloud Ops Advocate, Microsoft Corp

Scaling Scrum to the Enterprise

8:30am - 9:45am
State Room

Scrum is the most popular Agile framework in the world for effective team collaboration on complex projects. It provides a small set of rules that create just enough structure for teams to be able to focus their innovation but is only optimized for teams of five to nine people. Getting Scrum to work with larger teams or in large enterprise environments brings its own set of challenges. This talk presents three patterns used on enterprise teams to scale Scrum effectively with global teams.

PPT Download

Participants

Speaker: Caleb Jenkins - Team Leader, Technology, Quicken Loans

Secure Portals and Confidential Consortiums

8:30am - 9:45am
Terrace Room

In this session, you will learn security-first principal patterns for architecting enterprise portal solutions using Dynamics 365, Office 365 and enterprise blockchain. See how organizations today are creating a secure framework for customer, partner and employee engagement portals. Learn also patterns for integrating Dynamics engagement portals with Office 365 services, external applications, and private or public blockchains.

PPT Download

Participants

Speaker: Paul Swider - CTO, RealActivity

Networking Break & Sponsor Showcase | Regency Foyer - Banquet Level

9:45am - 10:15am
Events

Disaster Recovery – How to NOT do it

10:15am - 11:30am
Gold Room

Disasters happen. And while companies spend large sums of money and resources planning for them, many still fail miserably when disaster strikes. This session walks through the ins and outs of an actual disaster response and discusses the lessons learned. We'll also examine technology from Microsoft Azure that can be used to make sure that this scenario doesn't happen to you. Come to this session for an intimate look at what happens when your company doesn't plan for disaster recovery beyond a disk backup.

PPT Download

Participants

Speaker: Derek Martin - Cloud Solution Architect, Microsoft

Progressive Web Apps

10:15am - 11:30am
Parisian Room

In this presentation, Google Developer Expert and awarded Microsoft MVP, Chander Dhall will take you from beginner to advanced level with Progressive Web Apps. The presentation includes, but is not limited to caching, offline support, app shell architecture, tools for building service workers, mobile web payments, and credentials management, add to homescreen, push notifications and best practices.

Participants

Speaker: Chander Dhall - Developer Platform Track Chair | CEO, Cazton, Inc.

GDPR Implications for your Application Environment Security

10:15am - 11:30am
Pavilion Room

For any company which operates or intersects with EU citizens in any way (customers, employees, customers who have EU employees, etc), the General Data Protection Regulation (GDPR) will have a significant impact on the way organizations need to build and maintain their applications and application environments. In this session, we are going to look at all of the ways in which applications and their supporting infrastructure needs to be updated to properly support the data privacy concerns of GDPR and similar compliance initiatives.

PPT Download

Participants

Speaker: Andrew Baker - Security Track Chair | Virtual CIO & Technology Executive, BrainWave Consulting

SESSIONS
WEDNESDAY, OCTOBER 17 - 17/10/2018

Azure VMs + Log Shipping + Automation = A Budget Conscious DR Solution (How To)

10:15am - 11:30am
Continental Room

Session details coming soon.

PPT Download

Participants

Co-Speaker: Mindy Curnutt - Data Platform Track Chair | Business Owner & 4X Microsoft Data Platform MVP, Mindy Curnutt & Associates Consulting

Co-Speaker: Eric Blinn - Sr. Data Architect, Squire Patton Boggs

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Rethink Your Workstation Strategy with Amazon AppStream 2.0

10:15am - 11:30am
Far East Room

Start delivering applications through a web browser with Amazon AppStream 2.0, whether they are basic productivity and business applications or demanding simulation and graphics applications. AppStream 2.0 can deliver multiple Windows applications directly to your end users regardless of their device's capabilities or operating system. In this session, attendees will gain an understanding of the affordances of application streaming and how to apply a DevOps workflow to traditional desktop/laptop management.

PPT Download

Participants

Speaker: Marty Sullivan - DevOps/Cloud Engineer, Cornell University

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Architecting Single Points of Failure? Sorry, Don't Blame the Platform!

10:15am - 11:30am
Fountain Room

When you need to build and run highly available services on Microsoft Azure infrastructure you need to plan and deploy with HA in mind. In this session we will cover HA design, Availability Zones, Availability Sets, Managed Disks, recent Azure Virtual Machines availability improvements, different kinds of load balancing and how to make them work for you. Learn how to build systems with low impact during planned changes ad outages.

Come check it out. If you're not busy with a downed system.

PPT Download

Participants

Speaker: Pierre Roman - Senior Cloud Ops Advocate, Microsoft

Stopping Malicious Users with Office 365 Advanced Security Management

10:15am - 11:30am
Garden Room

Microsoft Cloud App Security provides deeper visibility, stronger controls and enhanced protection for your cloud applications. In this session we will show you how you can deploy and manage Microsoft Cloud App Security not only for discovering shadow IT but also for providing data control and protection features for approved apps in your organization. We will also demonstrate new features and innovations announced at Ignite for Cloud App Security.

PPT Download

Participants

Speaker: Riaz Javed Butt - Lead Architect, PCM Sales, Inc.

Birds of a Feather: The Best Certification Discussion Ever

10:15am - 11:30am
Executive Room

You love IT. You are at the crossroads of your life. You have a decision to make. Do you spend the money you don't have on a college degree or invest in a top-level highly-sought-after killer-certification?

It is not just the money on the table - it is time invested (and time is money, isn't it?), relevance, durability, earning potential.

Is it possible to have a successful career without a certification among hundreds of thousands of certified professionals? Can you achieve success without a college degree among peers with one or more college degrees?

Can certification be the straw to hold on to, or a life vest for professionals changing their careers? Do you think the exams and certifications are not for you because you are "too old for this"?

What are the "hottest" certifications of today and tomorrow? Is there a certification in "tomorrow" anyway?

Join the Birds of a Feather (BOF) session "The Best Certification Discussion Ever" to find out the answers to these and many other questions! Ask the questions, give the answers, help the peers, be amazed and surprised and, above all, enjoy the conversation!

Participants

Discussion Leader: Sasha (Sasa) Kranjac - Azure and Security Specialist, CEO, Kranjac - IT Training and Consulting

AWS Resource Management with PowerShell and AWS Systems Manager

10:15am - 11:30am
Royal Room

This session is a deep dive into managing AWS resources using the AWS PowerShell tools and AWS Systems Manager. We'll begin with simple concepts and progress to cover techniques for controlling and managing fleets of EC2 images and instances, VPC networks and more. We'll also cover other features of AWS Systems Manager, such as automated patch management and monitoring for both in-cloud and on-premises systems.

PPT Download

Participants

Co-Speaker: Steven Roberts - Senior Software Dev Engineer, Amazon, Inc.

Co-Speaker: Allen-Michael Grobelny - Senior Technical Evangelist, Amazon Web Services

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How to Get Started with DevSecOps

10:15am - 11:30am
State Room

Collaboration between development and security teams is key to DevSecOps transformation and involves both cultural and technological shifts. The challenges associated with adoption can be mitigated by empowering developers with the appropriate security tools and processes, automation and orchestration. This session will discuss enabling this transformation and the resulting benefits, including the delivery of more secure applications, lower cost of managing your security posture, and full visibility into application and enterprise risks.

PPT Download

Participants

Speaker: Andrei Bezdedeanu - VP of Engineering, CYBRIC

SESSIONS
WEDNESDAY, OCTOBER 17 - 17/10/2018

IT/Dev Connections

October 15 - 18, 2018
Fairmont Dallas
Dallas, TX

Metrics! Metrics! Metrics!

10:15am - 11:30am
Terrace Room

3AM, on a Sunday, you should be asleep, but instead you are woken up by a text claiming that "the super-critical app is timing out again". What is happening? Where is it slow? Why is it slow? In this session we will discover the services that Microsoft Azure offers to customers to collect logs and specifically metrics of our cloud workloads. We will understand what metrics we should be interested in when running on a cloud platform and how to get to those metrics. We will learn about open-source tools and will definitely build some nice dashboards. In the end attendees will have the knowledge to start building their own metrics dashboards and next time they are woken up at 3AM they will be able to quickly understand what is happening.

PPT Download

Participants

Speaker: David O'Brien - Cloud Track Chair | Director, Xirus PTY LTD

Lunch & Networking - Regency Ballroom - Banquet Level | Celebrating Women in Technology Luncheon - Sponsored by Microsoft Cloud Advocates - Gold Room - Banquet Level

11:30am - 12:30pm
Events

Be An Ally to Your Women & Nonbinary Tech Colleagues

Definition of the word "Ally": Anyone who supports or empowers another person or group.

Opportunities to do this are peppered throughout our work and personal lives. But we may not see them, or we may think that we don't have anything to contribute. Grab lunch and join us as a panel of IT/Dev Connections speakers discuss and share their experiences, strategies, successes, and failures at either being helped or helping when it comes to empowering Women in Technology.

Participants

Panelist: Mindy Curnutt - Data Platform Track Chair | Business Owner & 4X Microsoft Data Platform MVP, Mindy Curnutt & Associates Consulting

Panelist: Lisa Schmeiser - Content Director, Editor in Chief, Windows ITPro Today, Informa

Panelist: Phoummala Schmitt - Systems Engineer aka. The Exchange Goddess, Microsoft Cloud Advocates

Panelist: Steph Locke - CEO, Locke Data Ltd

Panelist: Jennifer Stirrup - Director, Data Relish Ltd

Panelist: Kevin Kline - Principal Program Manager, SentryOne

Securing Office 365 with Privileged Identity Management

12:30pm - 1:45pm
Gold Room

In this session, we'll dive into Privileged Identity Management in Azure Active Directory. Through a combination of PowerPoint and live demonstrations, we will show you how to set up and use PIM to protect your Office 365 tenant from administrators using admin rights without authorization.

PPT Download

Participants

Speaker: Nathan O'Bryan - Consultant, MCSMLab

Let's Get Serverless - Build Cloud Based Serverless Microservice Application

12:30pm - 1:45pm
Parisian Room

This session will demonstrate the basics of how to create serverless applications and microservices using AWS Lambda, Amazon DynamoDB, Amazon API Gateway and other serverless services. During the session, attendees will build an application using standard patterns of creating a small dynamic microservice using Amazon Web Services as cloud provider.

PPT Download

Participants

Speaker: Tara Walker - Principal Software Engineer, Microsoft Corporation

DevOps for System Engineers

12:30pm - 1:45pm
Pavilion Room

Adoption of cloud and DevOps practices creates new challenges for system administrators and engineers. With features and tools such as ARM templates, PowerShell, PowerShell DSC and VSTS, we can quickly build out the infrastructure and deploy our code. In this session, you will learn how to build a modern CI/CD pipeline in the cloud as well as hear what every system admin should know about transitioning to a DevOps model of operations.

PPT Download

Participants

Speaker: Mustafa Toroman - System Engineer, Azure MVP, Authority Partners

Getting Started with Power BI Report Server

12:30pm - 1:45pm
Oak Room

For years, SQL Server Reporting Services and Power BI lived in their own separate worlds: SSRS as an on-premises solution and Power BI in the cloud. However, with the release of Power BI Report Server, SSRS and Power BI can live happily together as an on-premises solution. In this presentation, we'll cover the basics of Power BI Report Server. We'll discuss the essential moving parts and will walk through what your organization will need to get started using this new union of Power BI and SSRS.

PPT Download

Participants

Speaker: Tim Mitchell - Founder and Principal Data Architect, Tyleris Data Solutions LLC

Deep Dive into Visual Studio Team Services Extensions

12:30pm - 1:45pm
Continental Room

In this session, we will build an end-to-end Visual Studio Team Services extension and share it privately with some tenants. We will discuss advanced scenarios requiring custom service endpoints, as well as how to handle extension updates.

PPT Download

Participants

Speaker: Stephane Eyskens - Azure Architect and DevOps Expert, Freelance

Birds of a Feather: Cloud Fight! Pros and Cons of the Different Cloud Platforms

12:30pm - 1:45pm
Far East Room

"AWS is better for developers, but not for ops."
"Azure is great for Windows, but not for Linux."
"If you want containers, use GCP, but don't use it for anything else."
"Neither cloud just isn't secure enough for my company."

Have you heard or even said these things before? In this BOF session we will put the major public cloud providers head to head and either debunk or validate some of the urban myths around them.

Bring your boxing gloves.

Participants

Discussion Leader: Christopher Wolff - Data Specialist, Xero, Inc.

Discussion Leader: David O'Brien - Cloud Track Chair | Director, Xirus PTY LTD

SESSIONS
WEDNESDAY, OCTOBER 17 - 17/10/2018

IT/Dev Connections

October 15 - 18, 2018
Fairmont Dallas
Dallas, TX

CANCELLED: Detecting and Capturing Change for Data Warehousing

12:30pm - 1:45pm
Fountain Room

There are many ways to detect and capture changes to the data in your business system to populate your data warehouse. In this session, we will compare and contrast several methods for loading slowly changing dimensions in your ETL solutions, including SSIS design patterns, T-SQL code, change data capture and temporal tables. Attendees will gain a full understanding of the pros and cons of each of these solutions and become confident in choosing and implementing them in their own ETL solutions.

Eleventh Hour IoT Security

12:30pm - 1:45pm
Garden Room

Despite all the hype surround the Internet of Things, IoT security has been found lacking. Many are learning of IoT deployments with only months (or weeks!) notice, and IT managers are being thrown into the deep end of IoT security. In this presentation, you'll get to experience real-world IoT threat modeling, which organizations are using to get a handle on this brave new world of embedded devices and new protocols.

PPT Download

Additional Material

Participants

Speaker: Steven Ocepek - Associate Partner, X-Force Red, IBM

Simple Tweaks to be Relevant in a Cloud World

12:30pm - 1:45pm
Executive Room

This "cloud thing" is not going away. What adjustments can you do in your life-long-learning path as an IT Operations person to take advantage of the current industry transition to hyperscale cloud environments? Join Rick Claus has he shares technical tweaks that have worked for him and nuggets of knowledge he discovered from 20+ years of on-premises know how that are somehow still magically relevant in this cloud world.

This will be a fast paced humorous demo session where Rick will be sharing all the resources used throughout the session as well as introducing a team of Cloud Ops Advocates to keep in touch with after the conference.

PPT Download

Participants

Speaker: Rick Claus - Cloud Ops Advocate, Microsoft

Query Store – What is it all About?

12:30pm - 1:45pm
Royal Room

The Query Store now allows us to track query plans as they change over time, giving us a slew of new possibilities when it comes to tuning our queries. Even just the ability to compare a previous plan to a new plan is a huge step toward understanding what may be happening in our instance. We can even tell the optimizer which plan we want it to use. These were all either extremely difficult—and, in some cases, impossible—to do before. This session will explain what the Query Store is all about and give you the insight to get started using this new and wonderful feature set.

PPT Download

Participants

Speaker: Andrew Kelly - Senior Technical Subject Matter Expert, B3 Group Inc.

Lessons from the Fire Department: Incident Command for IT

12:30pm - 1:45pm
State Room

Leading companies such as Google, Heroku and PagerDuty have developed successful incident management practices based on the public safety world's Incident Command System (ICS). This session offers key lessons learned by those organizations, along with a few war stories.

PPT Download

Participants

Speaker: Brent Chapman - Principal, Great Circle Associates, Inc.

Using Kafka for Real-Time Data Ingestion with .NET

12:30pm - 1:45pm
Terrace Room

Remember that first time you saw Service Broker and thought of all the great things you could do with it? But when you actually tried Service Broker, you discovered all its limitations and pain points? Enter Apache Kafka. Apache Kafka is a distributed publish-subscribe messaging system that can scale out to handle millions of messages per second and support a distributed, microservices-oriented architecture. In this talk, we will cover the basics of this powerful system, including general architectural and design principles. We will also build a .NET project that uses Kafka to produce and consume messages quickly and efficiently.

PPT Download

Participants

Speaker: Kevin Feasel - Engineering Manager, Predictive Analytics, ChannelAdvisor

Networking Break, Sponsor Showcase & Raffle | Regency Foyer - Banquet Level

1:45pm - 2:15pm
Events

Office 365 and Azure Active Directory Identities In-depth

2:15pm - 3:30pm
Gold Room

Office 365, Exchange Online, SharePoint Online—everything starts with users and how to get them into Office 365. This in-depth session will help you ensure that users who work on-premises have the same flexibility when their service moves to Office 365. Office 365 offers a whole range of identity management options that allow you to use Office 365 as you wish. In this session, you will learn everything there is to know about user accounts, provisioning and single sign-on, and you will experience how Windows Azure AD can become your next best friend. Furthermore, you will learn how to use Azure Active Directory with the existing applications you have in your service catalog.

PPT Download

Participants

Speaker: Jethro Seghers - Program Director, SkySync

SESSIONS
WEDNESDAY, OCTOBER 17 - 17/10/2018

IT/Dev Connections

October 15 - 18, 2018
Fairmont Dallas
Dallas, TX

Using Cloud App Security to Lock Down Shadow IT

2:15pm - 3:30pm
Parisian Room

In this session, we'll walk you through how to protect against anomalies and safeguard your environment from predation with cloud app security. We will also show you how to mitigate risk from exposure, as well as how to control documentation and assets from being shared outside your organization.

PPT Download

Participants

Speaker: Max Fritz - Solutions Architect, SADA Systems

Intune? ConfigMgr? Both! Co-Management!

2:15pm - 3:30pm
Pavilion Room

"Modern Management" is easily used but historically has been difficult to realize for various reasons - both technical and process. Co-Management, introduced in 1710, helps remove many of these roadblocks and understanding co-management will be the focus of this session. We will focus discussion on why Co-Management is important, how it is configured and how it can be part of your modern management strategy.

PPT Download

Participants

Speaker: Steven Rachui - Principal Premier Field Engineer, Microsoft Corporation

Performance Tuning: AWS EC2 and You

2:15pm - 3:30pm
Oak Room

Have you been frustrated by poor EC2 performance? Are you wondering if you're really getting the best bang for your buck from your AWS resources? Are you interested in how to properly gauge performance? Have you heard of kernel tuning but would like to know more? Then check out this session, where these topics—and more—will be covered.

PPT Download

Participants

Speaker: James Berger - SRE, Splunk

CANCELLED: Git and GitHub for .NET Developers

2:15pm - 3:30pm
Continental Room

Many .NET developers started their career happily using TFS as source control. Now, most projects use Git. Is this shift leaving you confused? In this session, you'll gain a better understanding of Git, taught from the perspective of a .NET/Visual Studio developer. You'll also learn how to use GitHub as a way to apply your newly acquired Git knowledge. You'll walk away from this session knowing that you can now confidently join all Git-related discussions at work.

Coding Naked – Unit Testing Those Hard to Reach Places

2:15pm - 3:30pm
Far East Room

Code coverage with quality unit tests are your first line of defense to reducing technical debt, increasing code quality, and accelerating your ability to change and adapt code (without breaking it) while continuing to add new features. Most test-driven development (TDD) sessions focus on the easy-to-test areas of your code base that are almost never what you experience getting back to your desk. Come learn why TDD is not a fancy practice for the coding elite, but an understandable, obtainable and practical approach to delivering value for every developer, and how, when done properly, it will increase communication and design between the business stake holders and developers. This session is led by the author of Automated Unit Tests chapter in the Wrox book "Real World .NET, C#, and Silverlight: Indispensable Experiences from 15 MVPs."

PPT Download

Participants

Speaker: Caleb Jenkins - Team Leader, Technology, Quicken Loans

Understanding and Troubleshooting SQL Server I/O

2:15pm - 3:30pm
Fountain Room

Tuning disk subsystems for optimal SQL Server performance is typically the domain of very experienced enterprise DBAs. It normally requires years of experience with the hard disk subsystem to learn exactly what configurations perform best, provide the greatest fault tolerance and allow for the most scalability. Configuring hardware can be very intimidating, especially when the application needs to scale. This session will teach you the best practices, tips and techniques to help you avoid costly mistakes, and they will serve as the foundation for the long-term success of your SQL Server environment.

PPT Download

Participants

Speaker: Kevin Kline - Principal Program Manager, SentryOne

The Everyday (Budget Poor) DBA's Hoarding (Stretch) Database

2:15pm - 3:30pm
Garden Room

When Microsoft announced Stretch Databases, we all loved the idea—that is, until pricing was revealed. But perhaps, by combining various SQL Server features, we could "stretch" databases to the cloud ourselves. By using files and filegroups and partitioning along with a locally mounted Azure or AWS fileshare, you can build your own stretch database without necessarily breaking the bank. In this session, you'll learn the steps to build a quasi-stretch database to store stale data in cheap cloud storage yet still have it easily accessible when needed.

PPT Download

Participants

Speaker: Christopher Bell - Founder, WaterOx Consulting, Inc

SESSIONS
WEDNESDAY, OCTOBER 17 - 17/10/2018

IT/Dev Connections

October 15 - 18, 2018
Fairmont Dallas
Dallas, TX

Modern BIOS Management from the Cloud

2:15pm - 3:30pm
Executive Room

In this session, we will demonstrate how to configure and manage firmware and driver settings, OS updates and patches, and applications and policies from the cloud using unified endpoint management technologies. And we will explain how to report on firmware and system information and create reports and dashboards. Learn how you can know when things are going to fail before the end user even notices it and create automated responses that will amaze your user base and eliminate your manual work. We'll also teach you how to use Workspace ONE Unified Endpoint Management with Dell Technologies integration to manage the device's firmware and drivers.

PPT Download

Participants

Co-Speaker: Brooks Peppin - EUS Information Systems Engineer, VMware

Co-Speaker: Josue Negron - Senior Solutions Architect, VMware

Going Fully Serverless - Is it Possible to Never Worry About Servers?

2:15pm - 3:30pm
Royal Room

What is serverless? What's the difference between containainers and Lambda • Talking through how to deploy a serverless end implementation using the AWS toolset, taking advantage of Lambda, S3, Cognito, API Gateway and Cloudformation • How to use AWS's infrastructure as code (IaC) tools, Cloudformation and SAM to make deployments even easier • Things to think about before going serverless - limits, bottlenecks.

PPT Download

Participants

Speaker: Jonathon Valentine - CTO, ThingCo

Build and Orchestrate Serverless Applications on AWS with PowerShell

2:15pm - 3:30pm
State Room

As a developer, you need to deploy your code quickly and execute it in parallel. The Amazon Web Services (AWS) Lambda service can help you accomplish this in a cost-efficient manner. Come to this session and learn how to deploy your PowerShell functions in AWS Lambda, orchestrate them with AWS Step Functions.

PPT Download

Participants

Speaker: Trevor Sullivan - Solutions Architect, Amazon Web Services

SQL Server using Amazon Web Services EC2 Instances

2:15pm - 3:30pm
Terrace Room

You have just been informed that you are moving to AWS. Now what? In this presentation, we'll cover the ups and downs of using AWS Elastic Cloud Computing (EC2) instances for your SQL Server. We will show you how to make an EC2 instance and install SQL Server on it; go over networking, security and routing services; and demonstrate how to make a simple, highly available, two-node availability group. By the end of the session, you should be on the right track to start using AWS in your environment.

PPT Download

Participants

Speaker: Christopher Wolff - Data Specialist, Xero, Inc.

Daily Debrief: Cloud Platform

3:30pm - 5:30pm
Parisian Room

Participants

Moderator: David O'Brien - Cloud Track Chair | Director, Xirus PTY LTD

Daily Debrief: Developer Platform

3:30pm - 5:30pm
Pavilion Room

Participants

Moderator: Chander Dhall - Developer Platform Track Chair | CEO, Cazton, Inc.

Daily Debrief: Data Platform

3:30pm - 5:30pm
Oak Room

Participants

Moderator: Mindy Curnutt - Data Platform Track Chair | Business Owner & 4X Microsoft Data Platform MVP, Mindy Curnutt & Associates Consulting

Daily Debrief: Security Platform

3:30pm - 5:30pm
Fountain Room

Participants

Moderator: Andrew Baker - Security Track Chair | Virtual CIO & Technology Executive, BrainWave Consulting

Hackathon Finale | Pavilion Room - Terrace Level

5:45pm - 7:00pm
Events

SCHEDULE

WEDNESDAY, OCTOBER 17 - 17/10/2018

TIME	CONTINENTAL ROOM	EVENTS	EXECUTIVE ROOM	FAR EAST ROOM	FOUNTAIN ROOM	GARDEN ROOM	GOLD ROOM	OAK ROOM	PARISIAN ROOM	PAVILION ROOM	REGISTRATION	ROYAL ROOM	STATE ROOM	TERRACE ROOM
7:00AM		7:30am - Continental Breakfast & Networking | Regency Ballroom - Banquet Level									7:00am - Registration Open Hours | Regency Foyer - Banquet Level			
8:00AM	8:30am - Logging and Auditing Machine Learning Predictions		8:30am - Birds of a Feather: The Good and the Bad of Patching Windows	8:30am - Insider Threats: Protecting Against the Threat You Can't See	8:30am - SQL Server on Linux and Containers: A Brave New World	8:30am - Leverage Blockchain to Solve Business Problems	8:30am - Automating Azure with PowerShell - Beyond the Azure PowerShell Module	8:30am - Mythbusting Web Performance	8:30am - SQL Server Forensics - Who Did What?	8:30am - CANCELLED: Advanced Xamarin.Forms Development		8:30am - Can you Predict the Future of Unified Endpoint Management?	8:30am - Scaling Scrum to the Enterprise	8:30am - Secure Portals and Confidential Consortiums
9:00AM		9:45am - Networking Break & Sponsor Showcase | Regency Foyer - Banquet Level												

SCHEDULE
WEDNESDAY, OCTOBER 17 - 17/10/2018

TIME	CONTINEN-TAL ROOM	EVENTS	EXECUTIVE ROOM	FAR EAST ROOM	FOUNTAIN ROOM	GARDEN ROOM	GOLD ROOM	OAK ROOM	PARISIAN ROOM	PAVILION ROOM	REGISTRA-TION	ROYAL ROOM	STATE ROOM	TERRACE ROOM
10:00AM	**10:15am** - Azure VMs + Log Shipping + Automation = A Budget Conscious DR Solution (How To)		**10:15am** - Birds of a Feather: The Best Certification Discussion Ever	**10:15am** - Rethink Your Workstation Strategy with Amazon AppStream 2.0	**10:15am** - Architecting Single Points of Failure? Sorry, Don't Blame the Platform!	**10:15am** - Stopping Malicious Users with Office 365 Advanced Security Management	**10:15am** - Disaster Recovery – How to NOT do it		**10:15am** - Progressive Web Apps	**10:15am** - GDPR Implications for your Application Environment Security		**10:15am** - AWS Resource Management with PowerShell and AWS Systems Manager	**10:15am** - How to Get Started with DevSecOps	**10:15am** - Metrics! Metrics! Metrics!
11:00AM		**11:30am** - Lunch & Networking - Regency Ballroom - Banquet Level | Celebrating Women in Technology Luncheon - Sponsored by Microsoft Cloud Advocates - Gold Room - Banquet Level												

SCHEDULE
WEDNESDAY, OCTOBER 17 - 17/10/2018

TIME	CONTINENTAL ROOM	EVENTS	EXECUTIVE ROOM	FAR EAST ROOM	FOUNTAIN ROOM	GARDEN ROOM	GOLD ROOM	OAK ROOM	PARISIAN ROOM	PAVILION ROOM	REGISTRATION	ROYAL ROOM	STATE ROOM	TERRACE ROOM
12:00PM	12:30pm - Deep Dive into Visual Studio Team Services Extensions		12:30pm - Simple Tweaks to be Relevant in a Cloud World	12:30pm - Birds of a Feather: Cloud Fight! Pros and Cons of the Different Cloud Platforms	12:30pm - CANCELLED: Detecting and Capturing Change for Data Warehousing	12:30pm - Eleventh Hour IoT Security	12:30pm - Securing Office 365 with Privileged Identity Management	12:30pm - Getting Started with Power BI Report Server	12:30pm - Let's Get Serverless - Build Cloud Based Serverless Microservice Application	12:30pm - DevOps for System Engineers		12:30pm - Query Store – What is it all About?	12:30pm - Lessons from the Fire Department: Incident Command for IT	12:30pm - Using Kafka for Real-Time Data Ingestion with .NET
1:00PM		1:45pm - Networking Break, Sponsor Showcase & Raffle | Regency Foyer - Banquet Level												
2:00PM	2:15pm - CANCELLED: Git and GitHub for .NET Developers		2:15pm - Modern BIOS Management from the Cloud	2:15pm - Coding Naked – Unit Testing Those Hard to Reach Places	2:15pm - Understanding and Troubleshooting SQL Server I/O	2:15pm - The Everyday (Budget Poor) DBA's Hoarding (Stretch) Database	2:15pm - Office 365 and Azure Active Directory Identities In-depth	2:15pm - Performance Tuning: AWS EC2 and You	2:15pm - Using Cloud App Security to Lock Down Shadow IT	2:15pm - Intune? ConfigMgr? Both! Co-Management!		2:15pm - Going Fully Serverless - Is it Possible to Never Worry About Servers?	2:15pm - Build and Orchestrate Serverless Applications on AWS with PowerShell	2:15pm - SQL Server using Amazon Web Services EC2 Instances

SCHEDULE
WEDNESDAY, OCTOBER 17 - 17/10/2018

TIME	CONTINEN-TAL ROOM	EVENTS	EXECUTIVE ROOM	FAR EAST ROOM	FOUNTAIN ROOM	GARDEN ROOM	GOLD ROOM	OAK ROOM	PARISIAN ROOM	PAVILION ROOM	REGISTRA-TION	ROYAL ROOM	STATE ROOM	TERRACE ROOM
3:00PM					3:30pm - Daily Debrief: Security Platform			3:30pm - Daily Debrief: Data Platform	3:30pm - Daily Debrief: Cloud Platform	3:30pm - Daily Debrief: Developer Platform				
4:00PM														
5:00PM		5:45pm - Hackathon Finale | Pavilion Room - Terrace Level												

SESSIONS
THURSDAY, OCTOBER 18 - 18/10/2018

Continental Breakfast & Networking | Regency Ballroom - Banquet Level

7:30am - 8:30am
Events

Registration Open Hours | Regency Foyer - Banquet Level

7:30am - 3:30pm
Registration

Protecting your Office 365 Data with Microsoft Information Protection

8:30am - 9:45am
Gold Room

When their information is available in the cloud, people want to take additional measures to keep that data secure. The problem is that one of the biggest advantages of cloud services is they provide a huge platform for collaboration. With Microsoft Information Protection, you can have both. Office 365, RMS and Azure Information Protection combined allows a platform for collaboration without compromising security. In this session, we will cover the implementation and integration of Microsoft Information Protection with Office 365. We will also discuss the impact of RMS and Azure Information Protection outside the Microsoft ecosystem.

PPT Download

Participants

Speaker: Jethro Seghers - Program Director, SkySync

CANCELLED: On-Premises Machine Learning with Python and SQL Server 2017

8:30am - 9:45am
Parisian Room

Are you missing out on the promise and excitement of Azure Machine Learning because your customers are unwilling or unable to commit to the cloud? Wouldn't it be great if you could harness the same capabilities for your on-premises data? With Python integrated in SQL Server 2017, you can. In this session, we will provide real-world examples of problems solved on-premises using both supervised and unsupervised machine learning techniques. Attendees will learn how to use Machine Learning Services (In-Database) integration to tackle complex data prediction scenarios.

Canary Deployment: Your Application's Early Warning System

8:30am - 9:45am
Pavilion Room

Canary deployments—a term explained by Itay Shakury, former Microsoft Lead Cloud Solution Architect—give your organization early detection systems for errors and data on how your system is used. How can a team move from a different deployment pattern into a pattern that allows your organization to test customer reaction to different software? Find out in this session, where we will walk through a real-world implementation of this scenario using VSTS, .Net and node.js technologies.

PPT Download

Participants

Speaker: Eric Landes - Senior DevOps Consultant, AgileThought, Inc

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Defining Serverless APIs

8:30am - 9:45am
Oak Room

In this session, we will discuss the various ways to define your serverless APIs. We will look at the frameworks out there (AWS SAM, Serverless Framework) and evaluate the benefits and downsides to each one. We will also discuss the most common problems you'll encounter when architecting your serverless application and provide practical solutions to those problems.

PPT Download

Participants

Speaker: Turner Houghton - Junior Cloud Engineer, Home Technology Services

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From 0 to Automated Release with VSTS

8:30am - 9:45am
Continental Room

VSTS and Azure allow us to truly use DevOps principles and practices. In this session, we'll discuss how to create a fully automated pipeline for building and releasing your applications. We'll show you how to use Infrastructure as a Code to quickly build your dev/test/prod environment and how to automate the path from commit over build to new release to production.

PPT Download

Participants

Speaker: Mustafa Toroman - System Engineer, Azure MVP, Authority Partners

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Scale Out and Conquer: Architectural Decisions Behind Distributed In-Memory Systems

8:30am - 9:45am
Far East Room

Distributed platforms, like Apache Ignite, rely on horizontal scalability. More machines in the cluster mean greater performance of the application. But do we always get twice the speed after adding a second machine to the farm? Ten times faster after adding 10 machines? What is the responsibility of the platform? And where do engineers' responsibilities begin? In this session, attendees will learn about the compromises and pitfalls architects face when designing distributed systems. They will also learn the advantages and disadvantages of different data-sharding algorithms, effective data models for distributed environments, synchronization and coordination in distributed systems, and local scalability issues of speeding up local processing on cluster nodes.

PPT Download

Participants

Speaker: Denis Magda - GridGain Director of PM, GridGain

Putting Data to Use: Big Data and Analytics with AWS

8:30am - 9:45am
Garden Room

Big data is not just a buzzword. Today, companies from startups to enterprises have access to massive amounts of data generated by users and connected devices. The variety, volume and velocity of data requires specialized tools and massively scalable compute, storage and analytics capabilities to generate valuable insights. Amazon Web Services (AWS) offers a broad range of services for virtually any kind of big data application, such as data warehousing, clickstream analytics, fraud detection, recommendation engines, event-driven ETL, serverless computing, IoT processing, and machine learning. In this session, we will look at how to choose the right tool for the right job at every step of a data analytics workflow, from collecting, storing, processing and consuming data at scale to get the level of performance, reliability and security you need, while being cost-efficient.

PPT Download

Participants

Speaker: Karan Desai - Solutions Architect, Amazon Web Services (AWS)

SESSIONS

THURSDAY, OCTOBER 18 - 18/10/2018

Introducing the CI/CD Workflows in the Cloud

8:30am - 9:45am
Executive Room

Today, companies seeking to innovate faster are looking for new ways to make it easier and faster for their development teams to build and deploy software. Today, many companies and organizations face some challenges in implementing a more agile, dynamic software development process. They seek ways to make it easier and faster for their development teams to build and deploy software while delivering technical innovations to the marketplace. Implementing continuous integration, continuous delivery, and continuous deployment processes can aid you in building and releasing well-tested software safely and quickly.

In this session, we will discuss how you can quickly implement a CI/CD workflow using the cloud services. Using an automated CI/CD pipeline makes it easier to set up your entire development and continuous delivery toolchain for coding, building, testing, and deploying your application code with many popular programming languages.

PPT Download

Participants

Speaker: Tara Walker - Principal Software Engineer, Microsoft Corporation

Build Your Application in a Cloud. Make It Safe! Deadline? Tomorrow!

8:30am - 9:45am
Royal Room

This session will teach attendees about security architecture for cloud applications: how to manage user and application identity, what are security principals and how to manage access in cloud platform. You will learn about services that can be used to secure applications and sensitive materials such as passwords and certificates.

PPT Download

Participants

Speaker: Tomasz Onyszko - CTO, Predica Sp. z o.o.

Birds of a Feather: Here Today, Gone Tomorrow: Technologies You Shouldn't Bother With

8:30am - 9:45am
State Room

Participants

Discussion Leader: Prashant G. Bhoyar - Solution Architect, WithumSmith+Brown, PC

Building your First SQL Server Container Lab in Docker

8:30am - 9:45am
Terrace Room

It wasn't that long ago when virtualization changed the way we work with SQL and infrastructure. Now it's all about containers. Containers can make the DBA's job of creating and deploying servers much easier, freeing them up for other tasks such as performance tuning and security. In this session, we will go over the concepts of containers and their general capabilities. Then we will build, connect and configure a SQL Server in a container for use as a private lab.

PPT Download

Participants

Speaker: Christopher Bell - Founder, WaterOx Consulting, Inc

Networking Break | Regency Foyer - Banquet Level

9:45am - 10:15am
Events

Web Application Security Tomorrow: Attacks That Will Hit You Soon

10:15am - 11:30am
Gold Room

Attacks such as SQL injection, cross-site scripting (XSS) and cross-site request forgery (CSRF) have been around for more than 10 years old, so by now everyone should know how to avoid them. But new threats are on the horizon, including version 2.0 of these old attacks albeit with increased danger, such as CSRF without user interaction or forgotten types of XSS that may endanger Angular applications. Of course, beware also of novel kinds of vulnerabilities, such as insecure JSON deserialization, surprising XML injections, external link abuse and many more. This session will not only showcase many of these new and updated threats but will also provide countermeasures. Expect surprising twists, a lot of code and a to-do list to check off once you return home from the conference.

PPT Download

Participants

Speaker: Christian Wenz - CEO, Actition GmbH

Successfully Embedding an Effective CyberSecurity Program into your Organization

10:15am - 11:30am
Parisian Room

As cybersecurity and compliance become core to successfully doing business, it is vital that your organization's cybersecurity program, processes and procedures are baked into the the DNA of the organization, and not just painted on after the fact. This requires the design and implementation of effective gates -- places in the organization's workflow where cybersecurity is implemented and validated before work moves on. In this session, we will be reviewing what these gates look like for an organization that implements B2B and B2C applications in the public or private cloud, and how they can be made an organic part of the organization.

PPT Download

Participants

Speaker: Andrew Baker - Security Track Chair | Virtual CIO & Technology Executive, BrainWave Consulting

Governing Your Data in O365: Classifying, Retaining, Complying and Discovering

10:15am - 11:30am
Pavilion Room

You have a data problem, and you likely don't even know it. With the latest cloud offerings from Microsoft, the ability to store content has become almost limitless. On the one hand, this solves many IT headaches, but it also causes many more. How long should we keep our data? How do we make it easy for end users to classify data, and can we automate any of it? How do we find it when we really need to, such as for a lawsuit? This session will look at the tools that Microsoft Office 365 provides, and what you need to know to plan for retention and classification of your data.

PPT Download

Participants

Speaker: David Broussard - Principal Consultant, Catapult Systems

SESSIONS
THURSDAY, OCTOBER 18 - 18/10/2018

IT/Dev Connections

October 15 - 18, 2018
Fairmont Dallas
Dallas, TX

Microservices, Hybrid Cloud, Responsiveness and Velocity - Yes, you can Have it all

10:15am - 11:30am
Oak Room

In this session, Chander Dhall will show different architectures that are in currently in production with his clients. He will take you on a high-level journey on what it takes to move a monolithic architecture to a microservices-based architecture. He will also elucidate the concepts behind implementing these architectures correctly and how to make them faster while increasing the (development) velocity.

Participants

Speaker: Chander Dhall - Developer Platform Track Chair | CEO, Cazton, Inc.

Use R to Process JSON and XML to Save your Sanity

10:15am - 11:30am
Continental Room

Using packages such as xml2, jsonlite and jq, this session will showcase how you can work with XML and JSON easily. We'll also cover how you can work with data that's been stored in SQL Server so you can work with your data either from an R stand-alone instance or in a stored procedure in SQL Server.

PPT Download

Participants

Speaker: Steph Locke - CEO, Locke Data Ltd

DevOps: Identity at the Heart of Automation

10:15am - 11:30am
Far East Room

Modern development implies modern authentication. DevOps is all about making continuous integration, continuous deployment and infrastructure as code a reality. However, when dealing with Azure Active Directory applications, things can get complicated. In this session, we'll demonstrate how to build AAD apps provisioning as part of your release cycle using Visual Studio Team Services (VSTS), Azure Managed Service Identity (MSI) and Azure Key Vault.

PPT Download

Participants

Speaker: Stephane Eyskens - Azure Architect and DevOps Expert, Freelance

Birds of a Feather: Stirring the Pot: Keeping Operations On-premises Versus Moving to the Cloud

10:15am - 11:30am
Fountain Room

Why move to the cloud? You give up all control of your infrastructure to a very opinionated system that you can't change if you have to.

But, do you have to? Or even, can you?

In this BOF session we want to hear your arguments pro moving to the cloud, but also hear the ones that prevent you from moving to the cloud. Between all attendees, maybe we can convince so sceptics into moving everything to the cloud tomorrow, or the cloud believers into pulling out asap.

Participants

Discussion Leader: Eric Landes - Senior DevOps Consultant, AgileThought, Inc

Discussion Leader: David O'Brien - Cloud Track Chair | Director, Xirus PTY LTD

Discussion Leader: Mustafa Toroman - System Engineer, Azure MVP, Authority Partners

Deployments got you up at Night? Learn to Sleep Easy with AWS Codedeploy

10:15am - 11:30am
Garden Room

Let's face it, the requirements around deploying software updates continues to grow. But with CodeDeploy there is relief. In this session, you'll learn what AWS CodeDeploy is and how you can use it to automate deployments across your applications running on AWS. We'll look at applications, deployment groups, application lifecycle hooks and how you can plug in to these to automate any tasks you need to ensure a successful zero downtime deployment.

PPT Download

Participants

Speaker: Adam Dockter - VP Engineering, ServiceTarget

Build, Debug and Deploy your First Serverless Chatbot

10:15am - 11:30am
Executive Room

Conversational interfaces through text and voice with are rapidly becoming more mainstream. With cloud based deep learning technologies, you can add compelling voice and chat interfaces to mobile devices, web apps, and easily publish your chatbots to, Twilio, Slack, and Facebook Messenger. This session will explain how to build a fully functional chatbot with multiple frontends using a serverless cloud backend. Attendees will learn the key components required for building chatbots integrated with text, voice, and response cards, and will gain foundational skills for enriching applications with natural, conversational interfaces.

The session we will discuss the choice of technologies, development tools and debugging techniques and will demo and build a chatbot. Additionally, the session will demo how to processing conversations and triggering corresponding actions in a serverless backend systems.

PPT Download

Participants

Speaker: Tara Walker - Principal Software Engineer, Microsoft Corporation

Site Reliability Engineering (SRE): What is it? Can my Organization Benefit from it?

10:15am - 11:30am
Royal Room

There's a lot of interest in Site Reliability Engineering these days. Leading companies such as Google, Facebook, Netflix and Apple have all embraced SRE, particularly in the wake of the book "Site Reliability Engineering: How Google Runs Production Systems" published a couple of years ago by O'Reilly. So what is SRE and what are its core principles? How does SRE relate to DevOps? Is it only applicable to massive online services such as Google, Facebook and Netflix, or are there aspects of SRE that can be applied in other circumstances? Is SRE a passing fad, or is it something that's worth investing time and effort into, both individually and organizationally? In this session, you'll learn about SRE from someone who is both an experienced SRE high-level individual contributor and manager (six years at Google, including managing the SRE team for Google Fiber). He also has many years of Dev/IT experience outside Google in organizations ranging from startups to multinational enterprises.

PPT Download

Participants

Speaker: Brent Chapman - Principal, Great Circle Associates, Inc.

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IT/Dev Connections

October 15 - 18, 2018
Fairmont Dallas
Dallas, TX

Securing AWS

10:15am - 11:30am
State Room

In this session, you'll learn how to leverage AWS security best practices to reduce your risk. We will cover AWS built-in optional account configuration as well as external resources to help audit and protect your environment.

PPT Download

Participants

Co-Speaker: Kiran Kuppa - Solutions Architect, Amazon Web Services (AWS)

Co-Speaker: Maitreya Ranganath - Solutions Architect, Amazon Web Services, Inc.

Monolith to Microservices: Making a Successful Transition

10:15am - 11:30am
Terrace Room

Microservices have taken the software industry by storm. Are you developing a microservice? Do you want to understand the benefits of a microservice architecture? Do you want to dive-deep into the design principles of the microservice architecture? If the answer to any of these questions is yes, then this presentation is for you. In this session, you'll learn how to successfully embrace this modern architecture. By the end of this session, you will have a good understanding of this new architectural style and best practices. You will walk away with better insights about transitioning from monolith to microservices, having learned how to build microservices from the ground up and apply them within your own organization.

PPT Download

Participants

Speaker: Samir Behara - Solution Architect, EBSCO Industries

Lunch & Networking | Regency Ballroom - Banquet Level

11:30am - 12:30pm
Events

Building Business Solutions in Office 365 using Microsoft Bot Framework

12:30pm - 1:45pm
Parisian Room

A bot is a web service that interacts with users in a conversational format. The Microsoft Bot Framework is a comprehensive offering for building and deploying high-quality bots for users to enjoy wherever they are talking. In this demo-driven session, we will cover the basics of the Microsoft Bot Framework and how you can leverage the Bot Framework to implement the real-life business solutions in Office 365. We teach how to get started with the Microsoft Bot Framework and demonstrate how to build a working bot for your application. Not only will you learn what is the Microsoft Bot Framework and what is Azure Bot Service, but also how to create bots using the Microsoft Bot Framework and how to leverage the Bot Framework to implement real-life business solutions.

PPT Download

Participants

Speaker: Prashant G. Bhoyar - Solution Architect, WithumSmith+Brown, PC

Data Loss Prevention in Office 365

12:30pm - 1:45pm
Pavilion Room

In their journey to the cloud, companies try to protect their data by adding additional layers of security. One of the security measure that Office 365 provides is data loss prevention (DLP). It's been available for quite some time in Exchange Online, but it has also made its way into SharePoint Online. In this session, we'll cover why and how to use DLP in Office 365 to prevent sensitive data from leaving the company. Using DLP, we will show how to add another layer of business security based on data driven by business. We will also cover how DLP can be integrated with Azure Information Protection. By the end of the session, you'll know how to make data more secure with data loss prevention.

PPT Download

Participants

Speaker: Jethro Seghers - Program Director, SkySync

Accessing and Analyzing Current and Historical Weather Forecasts using AWS Athena

12:30pm - 1:45pm
Continental Room

Do you want to learn how to access a massive data lake of geospatial data in Amazon S3? Amazon Athena allows a data analyst to write familiar SQL queries to access data stored in flat files directly in an Amazon S3 bucket. This session will cover data partitioning, bucketing, and basic and columnar file formats. Any datasets, from a few gigabytes to a few petabytes, can easily be queried with Amazon Athena. Attendees will take away the knowledge needed to start creating their own data lake using the same techniques discussed in this session with any data of their choosing.

Participants

Speaker: Marty Sullivan - DevOps/Cloud Engineer, Cornell University

The Journey to the Cloud - From Hardware to Microservices

12:30pm - 1:45pm
Far East Room

The journey to the cloud can be a bumpy one, with so many cloud choices and so little time to make the right decisions all while keeping the train running on time. That's why it's more important than ever to ask the right questions. In this interactive session, participants will learn how to ask the right questions and suss out the areas that are most important in their journey to the cloud. We'll compare participant-nominated cloud providers and their services to assist in determining which mix of clouds and services may be right for you. We'll cover everything from cost to capability, common challenges, balancing infrastructure and services, and we'll even address the dreaded legacy applications and lock-in elephants in the room.

PPT Download

Participants

Speaker: Sean Davis - Sr. Business Transformation Consultant, DevOps, AgileThought

Using Spatial Data in SQL Server to Drive Business Decisions from IoT Harvested Position Data

12:30pm - 1:45pm
Fountain Room

Session details coming soon.

Participants

Speaker: Mindy Curnutt - Data Platform Track Chair | Business Owner & 4X Microsoft Data Platform MVP, Mindy Curnutt & Associates Consulting

SESSIONS
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Extending Team Services to AWS – the Why, the What and the How

12:30pm - 1:45pm
Garden Room

Using the AWS Tools for Visual Studio Team Services it's a snap to extend your existing build and release pipelines in both VSTS and on-premise Team Foundation Server to work with a variety of AWS services. This session will begin with a short introduction to the tools, why you might want to use them and what they offer and then demonstrates the tools in action to dive progressively deeper into options for managing deployments to different AWS services such as Elastic Beanstalk, Lambda and CodeDeploy. The session will also cover tasks for working with secrets and options for building out infrastructure on demand as part of your build processes.

PPT Download

Participants

Speaker: Steven Roberts - Senior Software Dev Engineer, Amazon, Inc.

I have Indexes, but do I have the Right Indexes?

12:30pm - 1:45pm
State Room

SQL Server indexes come in multiple types: clustered, non-clustered, full text and column store. In this session, you'll get an understanding of what these types are and when each is an appropriate solution. We will explain and demonstrate each type, and you'll leave this class with a repeatable indexing methodology you can use to improve your database performance.

PPT Download

Participants

Speaker: Eric Blinn - Sr. Data Architect, Squire Patton Boggs

Networking Break | Regency Foyer - Banquet Level

1:45pm - 2:15pm
Events

Deep Dive into SQL Server 2019

2:15pm - 3:30pm
Gold Room

SQL Server 2019, now in public preview, builds upon the modern data platform of SQL Server 2017 to bring new capabilities and open up new worlds through a unified data platform. Come learn more about the new features of SQL Server 2019 including Big Data Clusters with Spark and HDFS, Machine Learning, SQL Server extensions with Java, Intelligent Query Processing, Always On Availability Groups on Kubernetes, and list of database engine enhancements for the data professional and developer.

PPT Download

Participants

Speaker: Bob Ward - Principal Architect, Microsoft

Clean your Mess up! Hygiene in the Microsoft Azure Cloud

2:15pm - 3:30pm
Parisian Room

"With great power comes great responsibility." - every Ops team in the cloud, ever! With all those possibilities that cloud providers promise us a lot of fears travel along. "How can I make sure that workloads are only deployed in region XYZ?" "How do I know who did what?" "How do I get notified if something happens?" "How do I not get bill shock?" All of these questions are normal and need to be addressed in every implementation. Come along and hear about offerings and services in Microsoft Azure that will assist companies to clean up their cloud and keep it tidy.

PPT Download

Participants

Speaker: David O'Brien - Cloud Track Chair | Director, Xirus PTY LTD

Move your Archive to the Cloud

2:15pm - 3:30pm
Pavilion Room

This session will demonstrate how using AWS Glacier can be a simple and cost-effective solution for archiving data. We'll also discuss how to set up Glacier as well as some of its limitations.

PPT Download

Participants

Speaker: Dave Evans - Cloud Architect, PCM

DevOps Infrastructure as Code: Visual Studio Team Services vs Azure Automation

2:15pm - 3:30pm
Oak Room

Azure Automation is the infrastructure way of envisioning automation while Visual Studio Team Services (VSTS) encapsulates the Azure provisioning steps as part of the release life cycle. What are the pros and cons of each product? Should we choose one over another? Aren't they overlapping? In this session, we will confront two worlds: infrastructure and development. After all, isn't DevOps a way to bridge those worlds?

PPT Download

Participants

Speaker: Stephane Eyskens - Azure Architect and DevOps Expert, Freelance

Don't Forget to Change your Oil: Periodic Review and Maintenance for your AWS Account

2:15pm - 3:30pm
Far East Room

In this session, we'll show AWS users how to reduce costs, ensure security and prevent end of life. We'll cover items to keep tabs on to ensure you are keeping up with best practices. Also covered will be tools to help you on this journey.

PPT Download

Participants

Co-Speaker: Kiran Kuppa - Solutions Architect, Amazon Web Services (AWS)

Co-Speaker: Maitreya Ranganath - Solutions Architect, Amazon Web Services, Inc.

Using Amazon Connect to Help Customers Over the Phone without the Bottleneck of Humans!

2:15pm - 3:30pm
Fountain Room

How to build a Amazon Lex (Alexa) driven pay as you go call centre solution • Plug your call centre into your systems allowing customers to get answers without having to queue • Use AWS Lambda & DynamoDB to allow customers to pass data protection and ensure customer data is secure • How to integrate your new solution with other communication methods such as text message.

PPT Download

Participants

Speaker: Jonathon Valentine - CTO, ThingCo

SESSIONS
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October 15 - 18, 2018
Fairmont Dallas
Dallas, TX

Birds of a Feather: Best Practices for Planning Corporate Technology Strategy

2:15pm - 3:30pm
Executive Room

Businesses all over the world are engaging in new technology initiatives ranging from green field deployments to transformations. Communicating your vision, embracing change, rapid experimentation and focusing on business outcomes are all mainstay tools in your corporate strategy toolbox. Today it's more critical than ever to establish guidelines and best practices around how to define, evaluate and execute on your technology strategies. Join Sean Davis in a best practices discussion covering various topics such as how to leverage the right opportunities, learning from your failures, and employing unconventional approaches to overcome business challenges.

Participants

Discussion Leader: Sean Davis - Sr. Business Transformation Consultant, DevOps, AgileThought

Conference Concludes

3:30pm - 3:35pm
Events

SCHEDULE

THURSDAY, OCTOBER 18 - 18/10/2018

TIME	CONTINENTAL ROOM	EVENTS	EXECUTIVE ROOM	FAR EAST ROOM	FOUNTAIN ROOM	GARDEN ROOM	GOLD ROOM	OAK ROOM	PARISIAN ROOM	PAVILION ROOM	REGISTRATION	ROYAL ROOM	STATE ROOM	TERRACE ROOM
7:00AM		**7:30am** - Continental Breakfast & Networking | Regency Ballroom - Banquet Level									**7:30am** - Registration Open Hours | Regency Foyer - Banquet Level			
8:00AM	**8:30am** - From 0 to Automated Release with VSTS		**8:30am** - Introducing the CI/CD Workflows in the Cloud	**8:30am** - Scale Out and Conquer: Architectural Decisions Behind Distributed In-Memory Systems		**8:30am** - Putting Data to Use: Big Data and Analytics with AWS	**8:30am** - Protecting your Office 365 Data with Microsoft Information Protection	**8:30am** - Defining Serverless APIs	**8:30am** - CANCELLED: On-Premises Machine Learning with Python and SQL Server 2017	**8:30am** - Canary Deployment: Your Application's Early Warning System		**8:30am** - Build Your Application in a Cloud. Make It Safe! Deadline? Tomorrow!	**8:30am** - Birds of a Feather: Here Today, Gone Tomorrow: Technologies You Shouldn't Bother With	**8:30am** - Building your First SQL Server Container Lab in Docker
9:00AM		**9:45am** - Networking Break | Regency Foyer - Banquet Level												

SCHEDULE
THURSDAY, OCTOBER 18 - 18/10/2018

TIME	CONTINENTAL ROOM	EVENTS	EXECUTIVE ROOM	FAR EAST ROOM	FOUNTAIN ROOM	GARDEN ROOM	GOLD ROOM	OAK ROOM	PARISIAN ROOM	PAVILION ROOM	REGISTRATION	ROYAL ROOM	STATE ROOM	TERRACE ROOM
10:00AM	10:15am - Use R to Process JSON and XML to Save your Sanity		10:15am - Build, Debug and Deploy your First Serverless Chatbot	10:15am - DevOps: Identity at the Heart of Automation	10:15am - Birds of a Feather: Stirring the Pot: Keeping Operations On-premises Versus Moving to the Cloud	10:15am - Deployments got you up at Night? Learn to Sleep Easy with AWS Codedeploy	10:15am - Web Application Security Tomorrow: Attacks That Will Hit You Soon	10:15am - Microservices, Hybrid Cloud, Responsiveness and Velocity - Yes, you can Have it all	10:15am - Successfully Embedding an Effective CyberSecurity Program into your Organization	10:15am - Governing Your Data in O365: Classifying, Retaining, Complying and Discovering		10:15am - Site Reliability Engineering (SRE): What is it? Can my Organization Benefit from it?	10:15am - Securing AWS	10:15am - Monolith to Microservices: Making a Successful Transition
11:00AM		11:30am - Lunch & Networking | Regency Ballroom - Banquet Level												
12:00PM	12:30pm - Accessing and Analyzing Current and Historical Weather Forecasts using AWS Athena			12:30pm - The Journey to the Cloud - From Hardware to Microservices	12:30pm - Using Spatial Data in SQL Server to Drive Business Decisions from IoT Harvested Position Data	12:30pm - Extending Team Services to AWS – the Why, the What and the How			12:30pm - Building Business Solutions in Office 365 using Microsoft Bot Framework	12:30pm - Data Loss Prevention in Office 365			12:30pm - I have Indexes, but do I have the Right Indexes?	

SCHEDULE
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TIME	CONTINEN-TAL ROOM	EVENTS	EXECUTIVE ROOM	FAR EAST ROOM	FOUNTAIN ROOM	GARDEN ROOM	GOLD ROOM	OAK ROOM	PARISIAN ROOM	PAVILION ROOM	REGISTRA-TION	ROYAL ROOM	STATE ROOM	TERRACE ROOM
1:00PM		**1:45pm** - Networking Break | Regency Foyer - Banquet Level												
2:00PM			**2:15pm** - Birds of a Feather: Best Practices for Planning Corporate Technology Strategy	**2:15pm** - Don't Forget to Change your Oil: Periodic Review and Maintenance for your AWS Account	**2:15pm** - Using Amazon Connect to Help Customers Over the Phone without the Bottleneck of Humans!		**2:15pm** - Deep Dive into SQL Server 2019	**2:15pm** - DevOps Infrastructure as Code: Visual Studio Team Services vs Azure Automation	**2:15pm** - Clean your Mess up! Hygiene in the Microsoft Azure Cloud	**2:15pm** - Move your Archive to the Cloud				
3:00PM		**3:30pm** - Conference Concludes												