PRE-CONS@DPS 2018

FULL-DAY | DEEP-DIVE | DEMO-BASED | ADVANCED-CLASSES

August 7
#1 SQL Server Troubleshooting & Optimizing
#2 Azure SQL DB & Azure SQL Managed Instance
#3 Power BI (Basic to Advanced)
#4 Data Science with Microsoft Tools
#5 Data Integration With SSIS & ADF
#6 Azure Cosmos DB

August 8
#7 Artificial Intelligence
#8 Practical R Programming
#9 Building A Scalable Data Architecture In Azure
#10 SQL Server on Linux
#11 Analysis Services (SSAS & Azure)
#12 HADR - SQL & Azure

CSG Data Platform Summit 2018 | **PRE-CONFERENCE TRAINING**

August 9, 10 & 11, 2018   August 7 & 8, 2018

Radisson BLU (Outer Ring Road, Bengaluru)

Learn More About Pre-Cons

Learn More About Registrations

#1 Troubleshoot and Optimize SQL Server Like A Pro!

Dmitri Korotkevitch, MICROSOFT CERTIFIED MASTER OF SQL SERVER, MVP, USA

Coverage

SQL Server Execution Model and Wait Statistics Analysis
Inefficient queries: how to detect and optimize; patterns to avoid
Concurrency and blocking issues
Query execution, compilation and plan caching issues
Miscellaneous issues: latch contention, tempdb issues, t-log throughput,
I/O latency, parallelism overhead, etc.
SQL Server and Database configuration best practices

Demos

The demos will cover multiple common problems (one by one) demonstrating:
How problems present themselves in the system (waits, dmvs, perf counters, etc)
How to confirm that problems actually exist
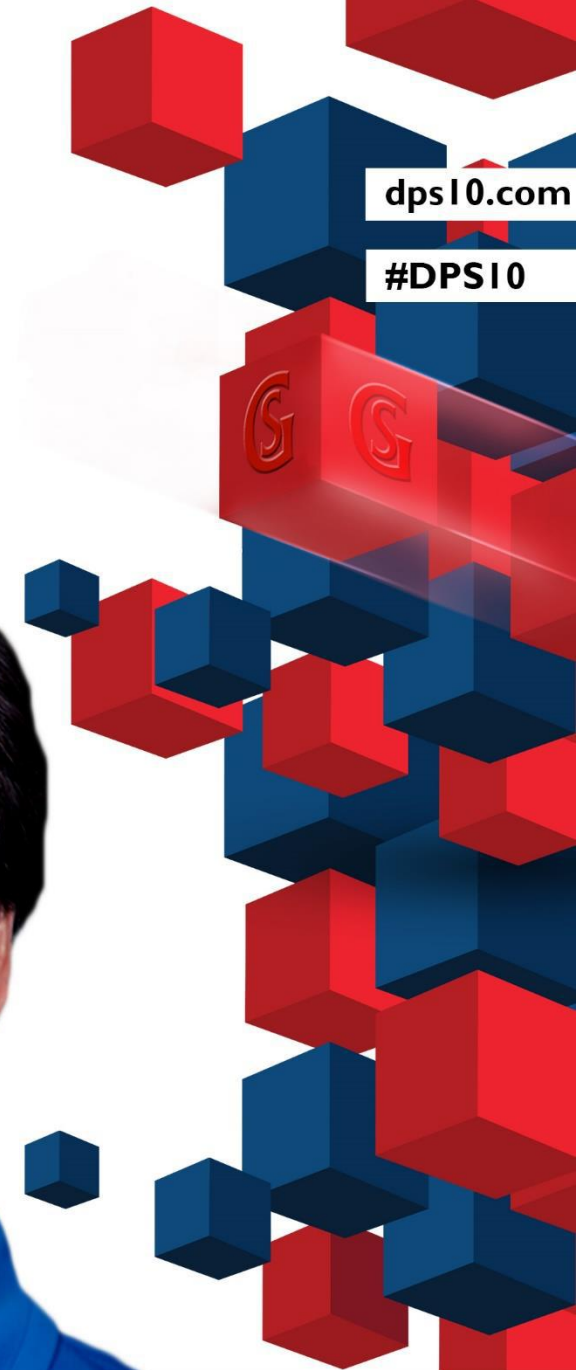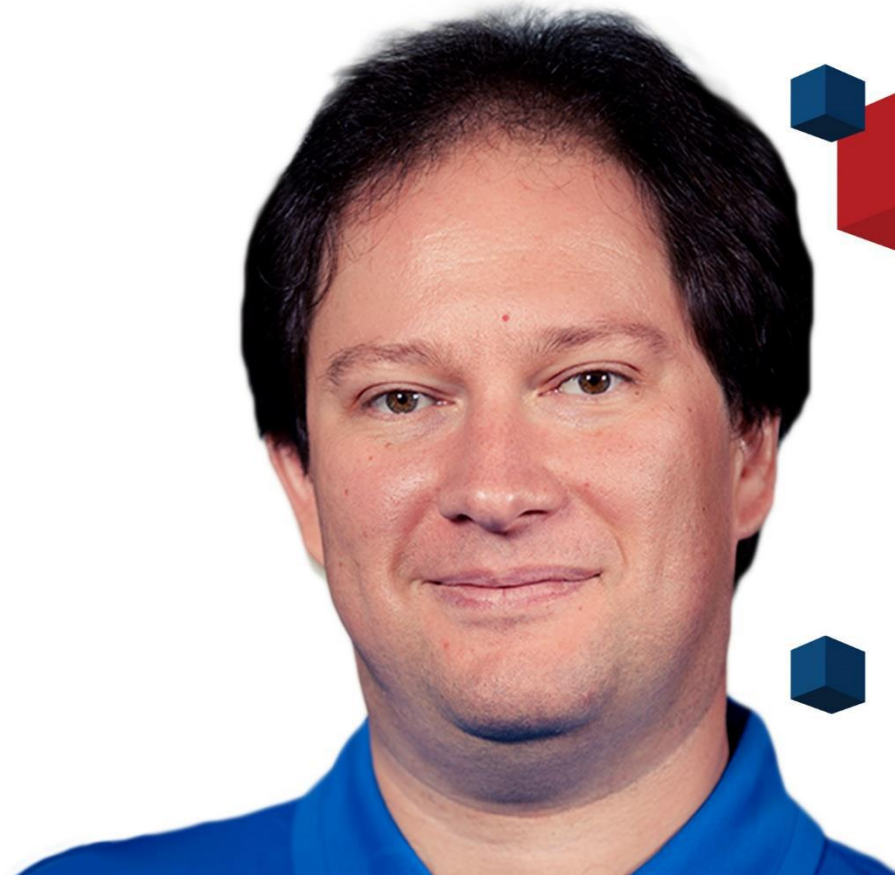How to address the problems

Data Platform Summit 2018

PRE-CONFERENCE **TRAINING**

August 9, 10 & 11, 2018   August 7 & 8, 2018

Radisson BLU (Outer Ring Road, Bengaluru)

#2 Migrating Your On-Premise Database To Azure SQLDB/Managed Instance – Why and How?

Sunil Agarwal, PRINCIPAL PROGRAM MANAGER, MICROSOFT, USA

Coverage

Azure overview
SQLDB and Elastic Pools
Managed Instance
Application Certification in Cloud (DBCompat)
Data Migration Assistant (DMA)
Data Migration Service (DMS)
Database Experimentation Assistant (DEA)
Intelligent Cloud, Decision matrix for the right azure data platform

Demos

SQLDB and Elastic Pools
Managed Instance
Scaling up/down
DMA tool to evaluate the source database
DMS to migrate your database to Azure
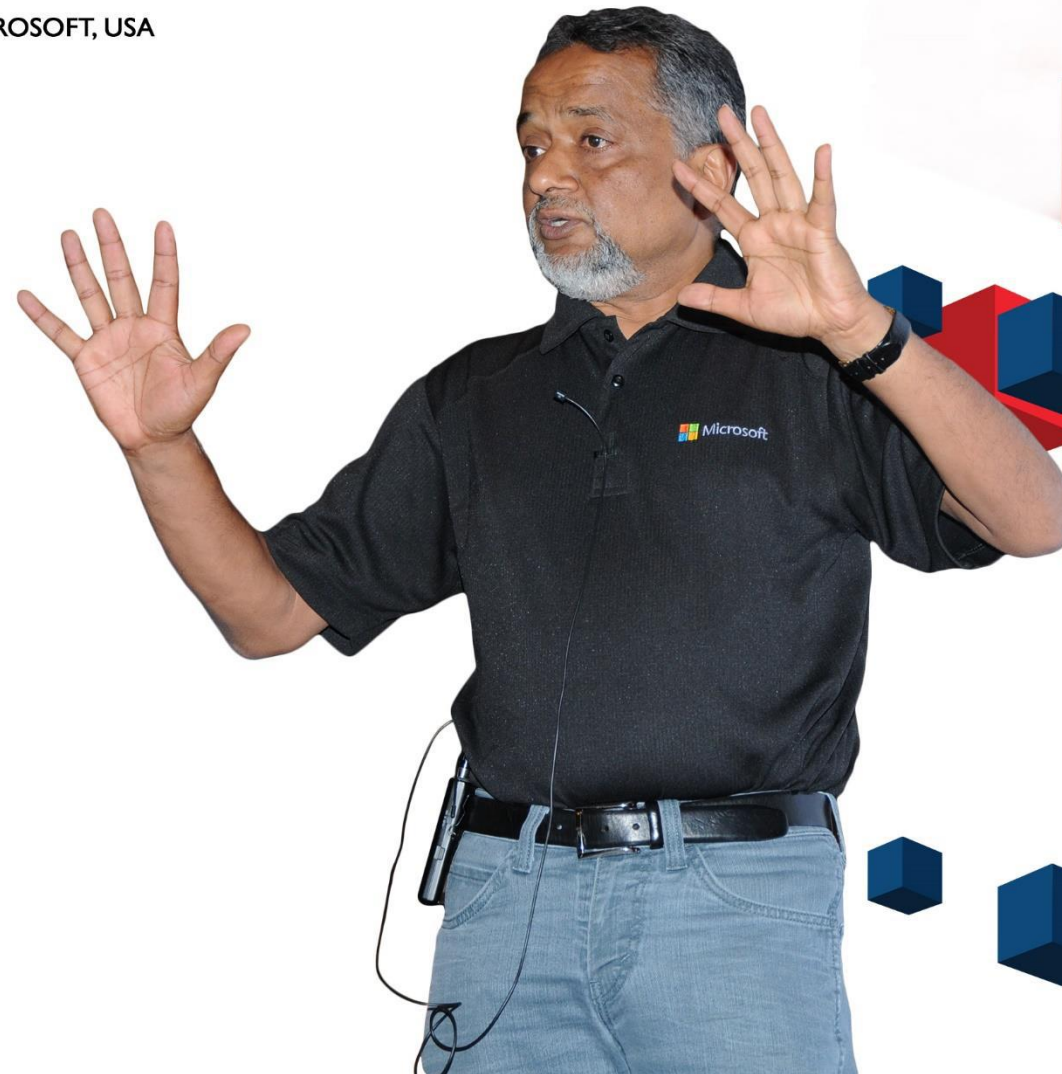Intelligent Cloud to identify common performance issues

Data Platform Summit 2018

PRE-CONFERENCE **TRAINING**

August 9, 10 & 11, 2018   August 7 & 8, 2018

Radisson BLU (Outer Ring Road, Bengaluru)

#3 Power BI From Rookie To Rock Star

Reza Rad, DATA ANALYSIS & BI EXPERT, MVP, NEW ZEALAND

Coverage

Introduction to Power BI
Getting Data
Power Query for Data Transformation
Data Modelling and DAX
Data Visualization
Gateways
Power BI Service, Administration & Security

Demos

This course is full of demos. Every module has more than five or six demos. Every sub item in every module will be explained through a demo.
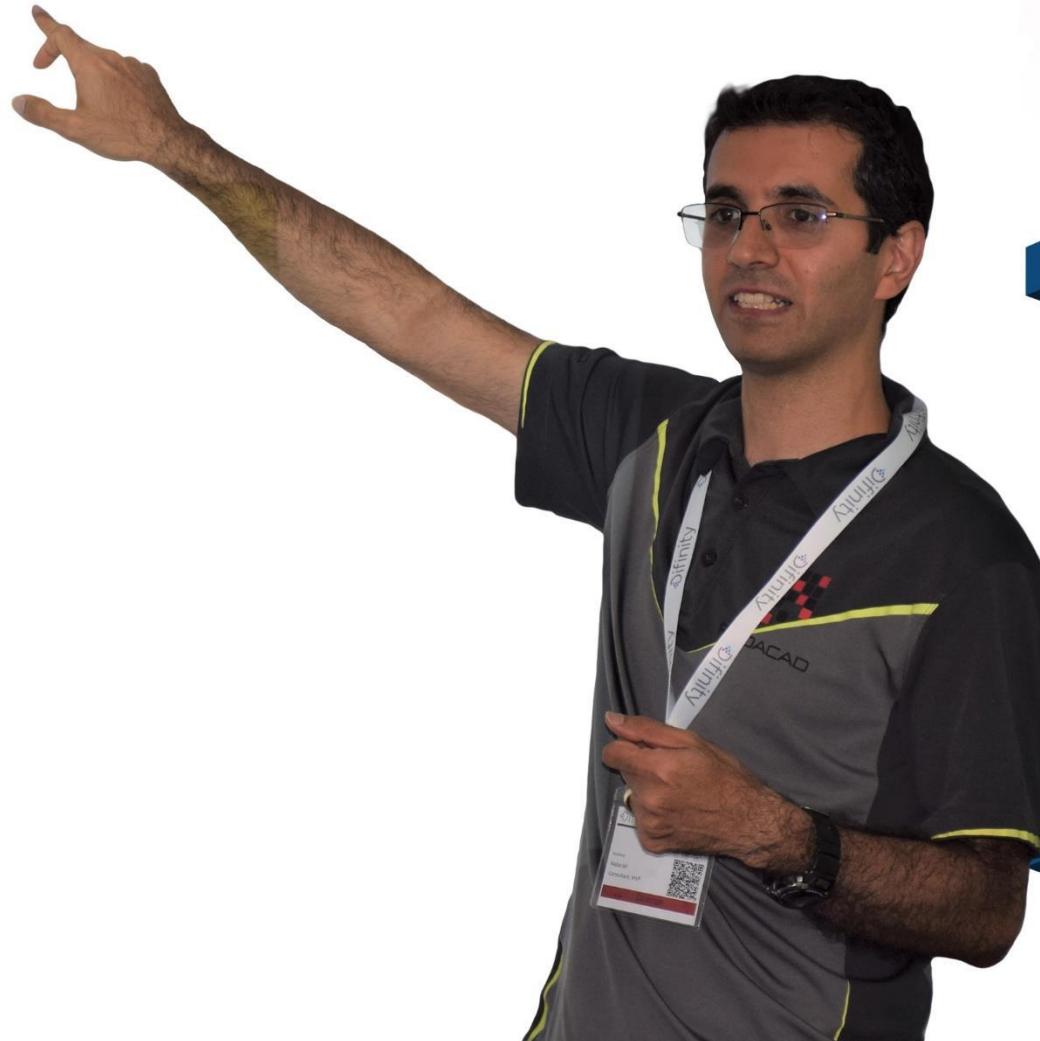
Data Platform Summit 2018

PRE-CONFERENCE **TRAINING**

August 9, 10 & 11, 2018   August 7 & 8, 2018

Radisson BLU (Outer Ring Road, Bengaluru)

#4 Leading Edge Data Science With Microsoft Tools

Dr. Leila Etaati, DATA SCIENTIST, MVP, NEW ZEALAND

Coverage

Data science in Cloud: how to set up and use data science virtual machine
Data science in Cloud: how to machine learning in Azure data lake.
Data science in Cloud: how to do machine learning and data analysis using Azure ML workbench
Data science on-premises: how to set up Power BI for using Machine learning
Data science on-premises: how to set up SQL Server 2017 for writing R or Python codes

Demos

Set up Data Science Virtual Machine
Machine learning inside Azure data lake
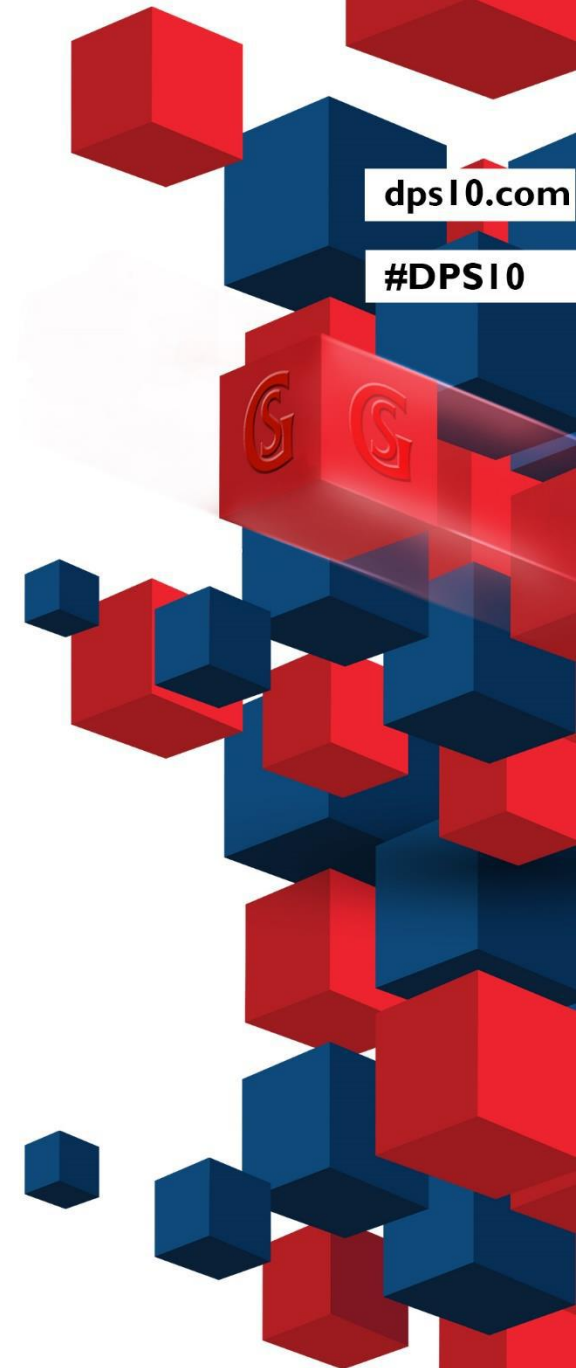Writing R in Power BI
Machine Learning in SQL Server 2017 Runtime

Data Platform Summit 2018

PRE-CONFERENCE **TRAINING**

August 9, 10 & 11, 2018   August 7 & 8, 2018

Radisson BLU (Outer Ring Road, Bengaluru)

#5 A Day Of Intelligent Data Integration With SSIS & ADF

Andy Leonard, CHIEF DATA ENGINEER & SSIS EXPERT, USA

Coverage

SSIS Design Patterns
Executing SSIS in the Enterprise
Custom SSIS Execution Frameworks
DevOps and SSIS
Azure Data Factory version 2 Integration Runtime

Demos

Gathering SSIS baseline performance statistics
SSIS Design Patterns for Performance
Custom SSIS Catalog Execution
Building an SSIS Framework
Using Biml to Manage SSIS Framework Metadata
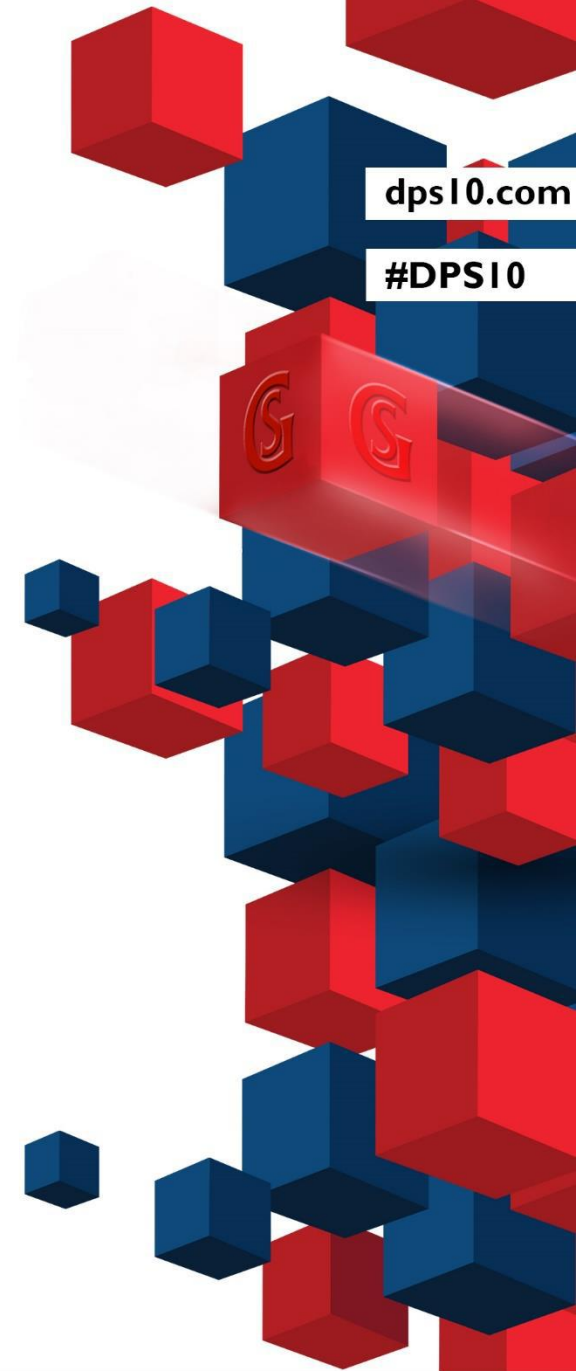Introduction to Azure Data Factory version 2 Integration

CSG Data Platform Summit 2018	PRE-CONFERENCE **TRAINING**
August 9, 10 & 11, 2018	August 7 & 8, 2018

Radisson BLU (Outer Ring Road, Bengaluru)

Madhan Gajendran, AZURE COSMOSDB EXPERT, MICROSOFT **& Microsoft Cosmos DB Team**

dps10.com

#DPS10

Coverage

Core capabilities of Azure Cosmos DB
Building applications using Azure Cosmos DB
Migrating Mongo/C*/Gremlin applications/data to Azure Cosmos DB
Using Cosmos DB as analytical datastore using Spark
Performance tips and best practices
Real world Use Cases

Demos

Cosmos DB Query Playground
Elastic Scale
Replicate Data Globally
Cosmos DB Mongo API via Robo 3T
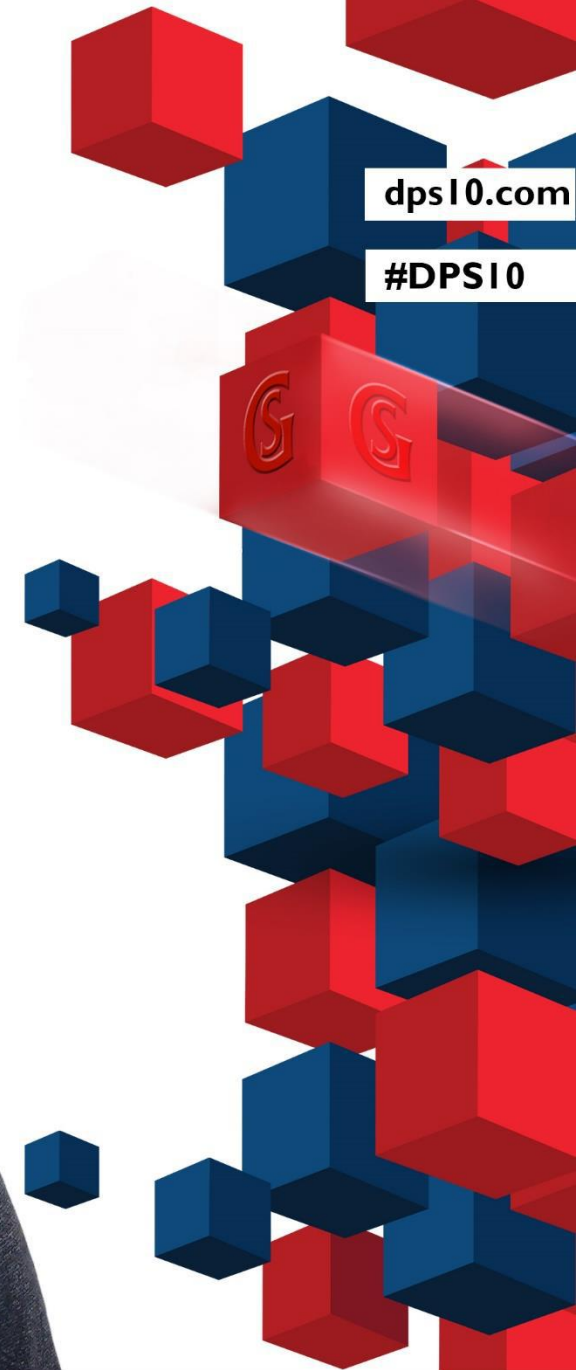Cosmos DB Graph via Azure Portal
Azure Notebooks + Cosmos DB

Data Platform Summit 2018

PRE-CONFERENCE **TRAINING**

August 9, 10 & 11, 2018   August 7 & 8, 2018

Radisson BLU (Outer Ring Road, Bengaluru)

#7 Building Intelligence Applications Using The Microsoft AI Platform

Dr. Leila Etaati, ARTIFICIAL INTELLIGENCE MVP & DATA SCIENTIST, NEW ZEALAND

Coverage

Machine Learning Concepts and Usage
Cognitive Services such as Face-recognition, Text Analysis (topic and keyword extraction, semantic analysis)
Azure Search for Application
Bot Services and how it able to use Cognitive services
Azure ML and its API usage in .Net
R and Python in .Net

Demos

How to use and create API for different services in cognitive application
How to create a smart Bot using Visual studio Bot Framework .NET.
How to set up Azure search application and enhance the Power BI search data in your application
How to write and develop their own Machine Learning models using Azure ML and then use it in .Net
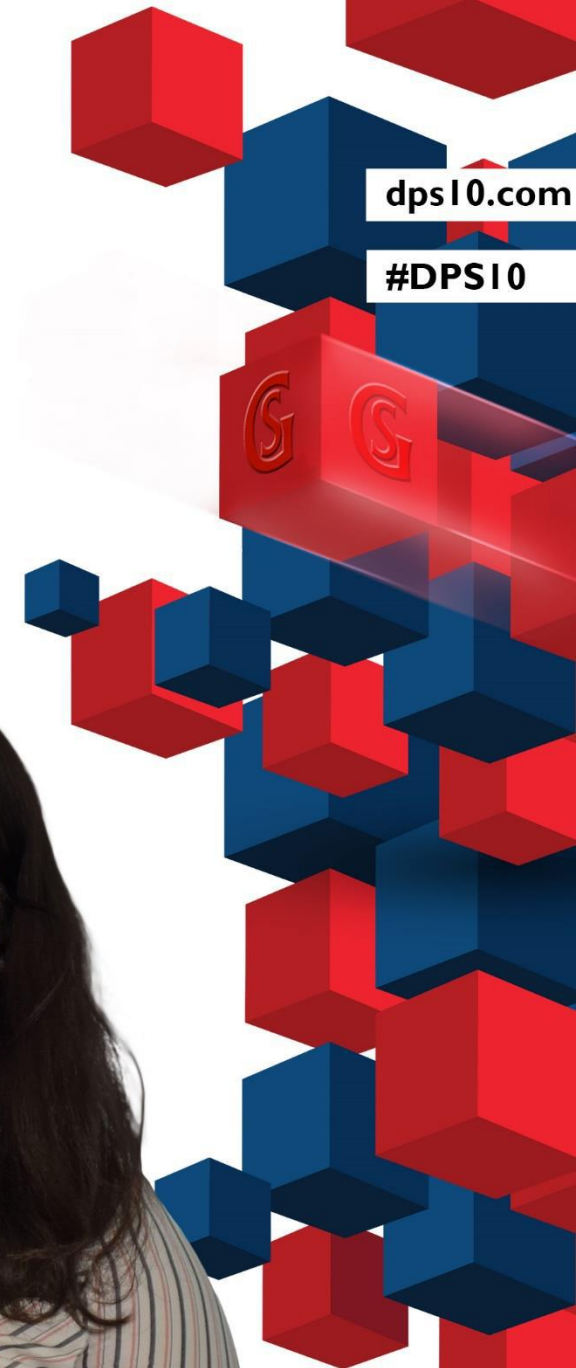How to write R codes inside .Net to create smart applications

Data Platform Summit 2018

PRE-CONFERENCE **TRAINING**

August 9, 10 & 11, 2018   August 7 & 8, 2018

Radisson BLU (Outer Ring Road, Bengaluru)

#8 Practical R For Everyone

Steph Locke, DATA SCIENCE EXPERT, MVP, UK

Coverage

Data Manipulation Fundamentals
R for ETL
R for Reporting
R for Data Science

Demos

Tidyverse data pipelines
Data Manipulation fundamentals
Importing and exporting data
Data transformation and quality checking
Using rmarkdown
Building flexdashboards
Data preparation for data science
Sampling
Constructing models
Evaluating models
Publishing models in SQL Server

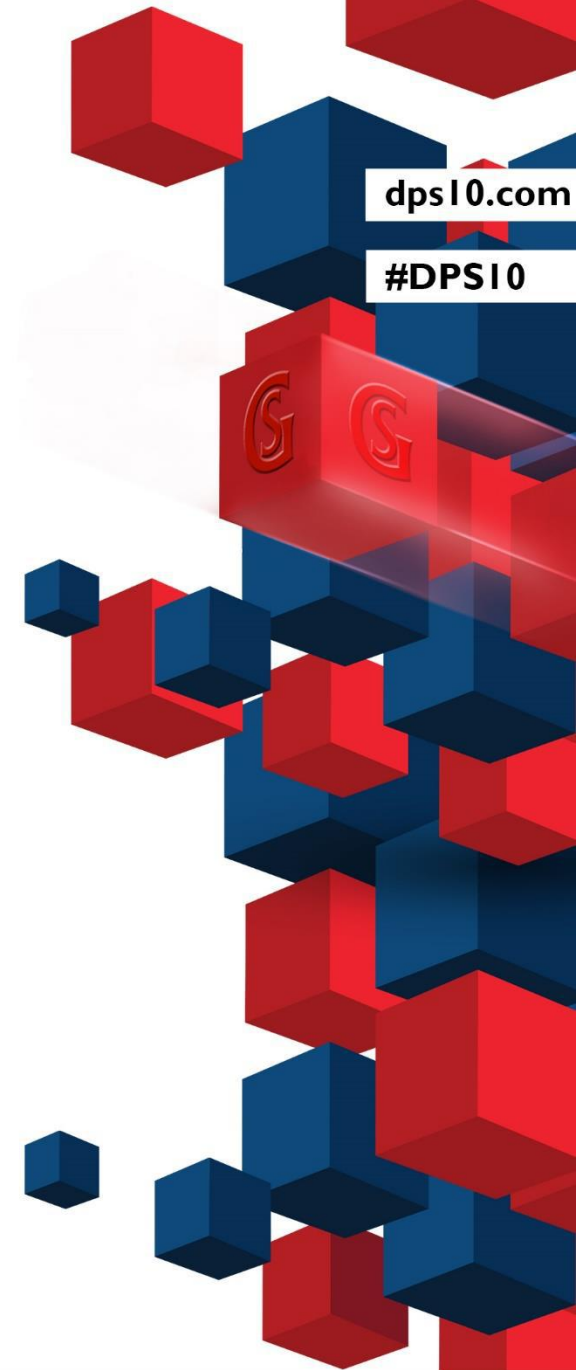**G Data Platform Summit 2018**

PRE-CONFERENCE
TRAINING

August 9, 10 & 11, 2018

August 7 & 8, 2018

Radisson BLU (Outer Ring Road, Bengaluru)

#9 Building A Scalable Data Architecture In Azure

Sanjay Mishra, PRINCIPAL PROGRAM MANAGER, DATACAT, MICROSOFT, USA **& Microsoft AzureCAT Team**

Coverage

Architecture Patterns
Building a "data lake" in Azure
Building an enterprise data warehouse in Azure
ETL in the cloud
Streaming and Batch solutions: Hot Path and Cold Path
Solutions for Interactive Query
Security, Performance, Scale, Resiliency, Disaster Recovery
Putting it all together

Demos

How do customer build data architecture in Azure
Technology choices and what questions to ask while making the choice
Achieving perf and scale needs for data solutions
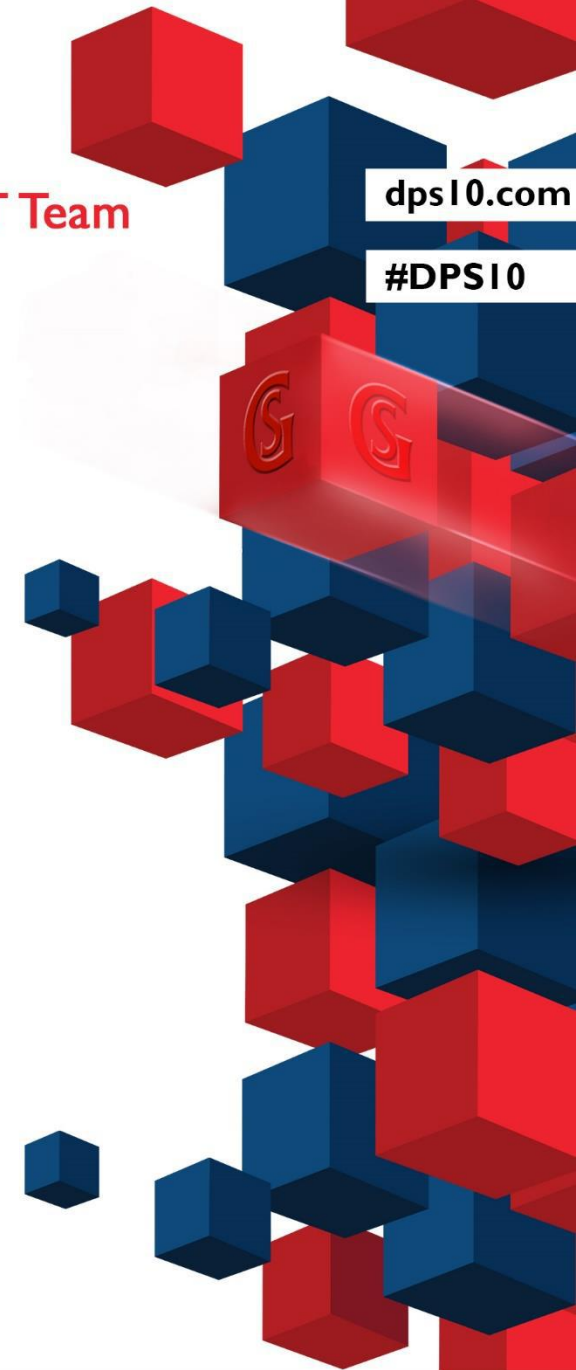Designing for Security and Resiliency

Data Platform Summit 2018

PRE-CONFERENCE **TRAINING**

August 9, 10 & 11, 2018   August 7 & 8, 2018

Radisson BLU (Outer Ring Road, Bengaluru)

#10

Linux for the SQL Server DBA - A Brave New World

Joey D'Antoni, MVP, USA

Coverage

Why Did Microsoft Release SQL Server on Linux
Installing and Configuring SQL Server on Linux
Understanding Linux Architecture and commands
Manipulating Files and Taking Backups
High Availability and Disaster Recovery for SQL Server on Linux
Monitoring SQL Server and Operating System Performance
New Features in SQL Server

Demos

Installing SQL Server on Linux
Building an Availability Group in Linux
PSSDiag collection on Linux
SQL vNext New Features

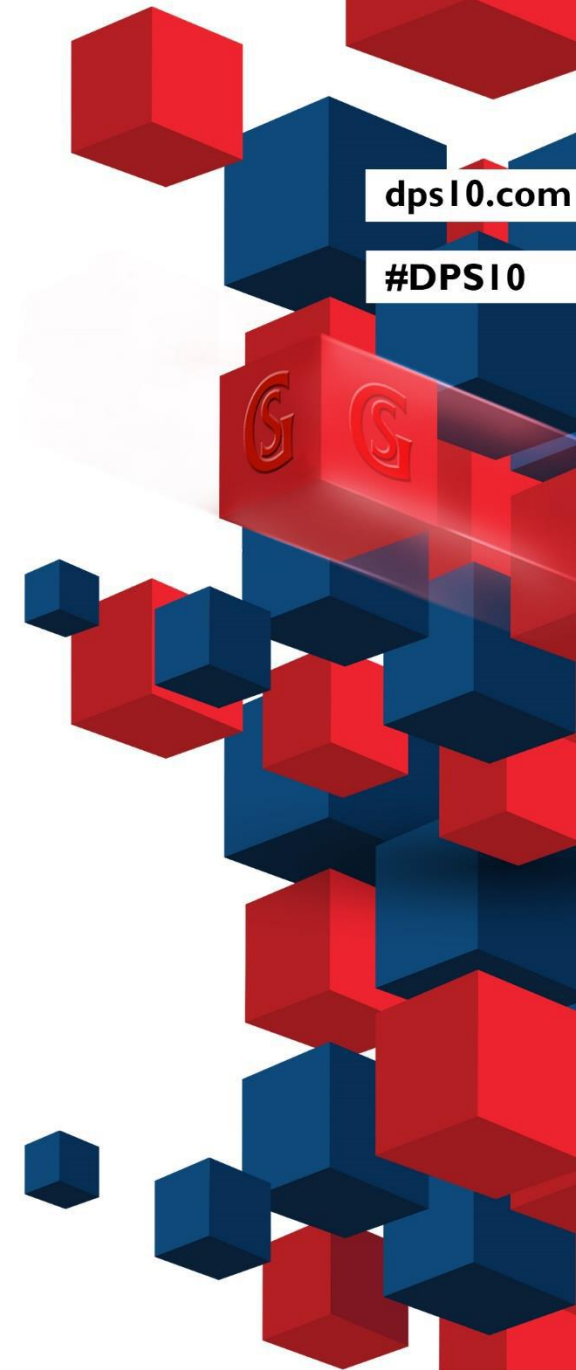**Data Platform Summit 2018**

PRE-CONFERENCE **TRAINING**

August 9, 10 & 11, 2018   August 7 & 8, 2018

Radisson BLU (Outer Ring Road, Bengaluru)

#11 Zero to Analysis Services

Peter Myers, BI & ANALYTICS EXPERT, MVP, AUSTRALIA

Coverage

Introducing Analysis Services
Developing a Multidimensional Model
Developing a Tabular Model
Comparing Model Development Approaches

Demos

End-to-end multidimensional model (cube) development
End-to-end tabular model development

Data Platform Summit 2018

PRE-CONFERENCE **TRAINING**

August 9, 10 & 11, 2018   August 7 & 8, 2018

Radisson BLU (Outer Ring Road, Bengaluru)

#12 High Availability and Disaster Recovery – SQL Server & Azure

Denny Cherry, MCM, MVP, USA

Coverage

Networking and Active Directory Requirements
Quorum Options for Azure
Setup and Configuration of a multi-site Windows Cluster
Setup and Configuration of a multi-site SQL Server Availability Group
Troubleshooting Always On Availability Groups

Demos

Settings up the Azure Networking
Windows Quorum
The configuration of a Windows Cluster
The Configuration of a SQL Server Availability Group
Troubleshooting an Always On Availability Group

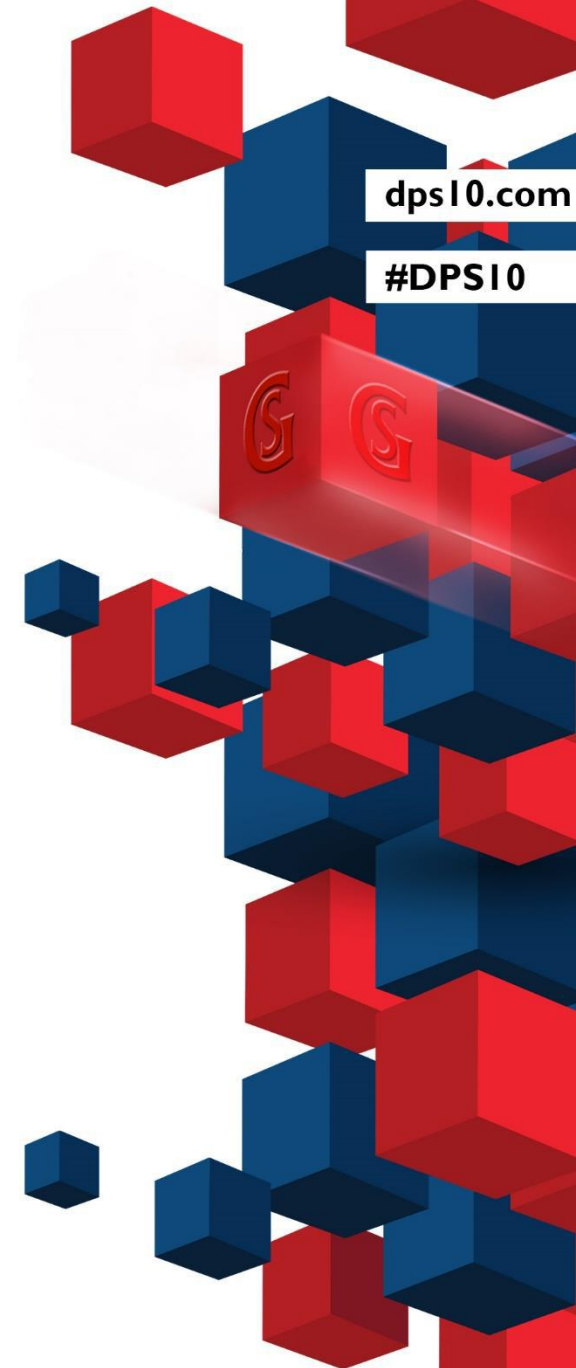**Data Platform Summit 2018**

PRE-CONFERENCE
TRAINING

August 9, 10 & 11, 2018   August 7 & 8, 2018

Radisson BLU (Outer Ring Road, Bengaluru)

Data Platform Summit 2018

PRE-CONFERENCE
TRAINING

August 9, 10 & 11, 2018   August 7 & 8, 2018

Radisson BLU (Outer Ring Road, Bengaluru)

contact@DPS10.com

+91 9606482133
+91 8217320907

Learn More About Pre-Cons

Learn More About Registrations