

Workshop Agenda

Cloud Data Warehouse in a Day

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1. Summary

The Cloud Data Warehouse in a Day engagement will be held **September 20th, 2019** through in **Vancouver** at . This one day workshop will cover the following modules:

1. **Module 1 – Kickoff and Provisioning SQL DW:** General overview of a product, including features and benefits.
2. **Module 2 – Design and Management DW:** Review ways of creating tables, discuss the differences. Performance and security features overview.
3. **Module 3 – Loading Data into DW:** Discuss and overview Polybase and Azure Data Factory.
4. **Module 4 – Connecting BI:** Connecting to the cloud data warehouse with Business Intelligence.

2. Prerequisites

1. Before coming to the workshop please make sure you've installed the following on your machine:
 - a. Windows
 - [Azure Data Studio](#)
 - [Microsoft Azure Storage Explorer](#) (optional)
 - [Visual Studio Community 2017](#) (optional)
 - [SQL Server Management Studio](#) (optional)
 - [Power BI Desktop](#)
 - b. Mac OS
 - [Azure Data Studio](#)
 - [Microsoft Azure Storage Explorer](#)

3. Agenda

Time	Duration	Title	Objectives	Outcomes
Module 1 – Kickoff and Provisioning SQL DW				
9:00–9:30	30min	Workshop kick-off	Kick off the service, review the agenda, objectives, and deliverables. Team and participant introductions. Cloud Analytics gentle introductions.	
9:30–10:00	30min	Lecture	Getting started with Azure SQL DW	
10:00–10:30	30min	Lab	Provision Azure DW	Operating DW
10:30-10:40	10min	Break		
Module 2 – Design and Management DW				
10:40-11:00	20min	Lecture	Review and understand how to design DW	
11:00–12:00	1h	Lab	Create tables and review distribution and performance capabilities of DW	Understand the concept of Azure SQL DW design
12:00–12:45	45min	Lunch break		
Module 3 – Loading data into DW				
12:45-13:15	30min	Lecture	Review the ways of loading data into Azure SQL DW and understand their differences and how to use the tools	
13:15–14:15	1h	Lab	Loading data into Azure DW using several different methods	Loaded data in DW
14:15–14:30	15min	Break		
Module 4 – Building dashboard with PowerBI				
14:30-15:00	30min	Lecture	Understand the role of Business Intelligence in Cloud DW and learn about the BI products	

15:00–15:30	30min	Lab	Connecting Azure SQL DW with BI	BI dashboard based on Azure SQL DW data
15:30–16:00	30min	Session recap and finalization		