

Workshop Agenda

Cloud Data Warehouse in a Day

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Prepared for: Microsoft

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 – Business Intelligence with Cloud DW | | | | |
| 14:30–15:00 | 30min | Lecture | Understand the role of Business Intelligence in Cloud DW and learn about the BI products | |

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|-------------|-------|--------------------------------|---------------------------------|---|
| 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 | | |
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