May 11th, 2022

Purpose

The purpose of this document is to highlight the significant changes to the DP-100T01: Designing and Implementing a Data Science Solution on Azure course from the previous release. This document is for Microsoft Certified Trainers and Instructors to use before they deliver the class or during preparation for teaching the class.

This is not an error log or a supplement to the Course Materials. This document just provides additional context so that you can understand the major changes to the course content. Most of the course materials in the MCT Download Center have been updated to fix typos, broken links, and formatting. So, we recommend you always download the latest copies.

✔ Please read the Instructor Preparation Guide which provides the overall strategy for implementing this training.

Update Date – May 2022

Global Change – Change across all modules

Typos fixed. Animation for module review questions in slide deck fixed: answers will show one by one.

Update Date – June 2021

Module 2

Module renamed to *Visual Tools for Machine Learning*.

Module 6

PipelineData replaced by OutputFileDatasetConfig.

Update Date – May 2021

Module 5

Content updated to reflect changes in SDK for Docker configuration.

Update Date – Dec 2020

Global Change – Change across all modules

Labs moved to consolidated repo with exercises for online modules

Slides refreshed in new template, and content updated throughout

Module 1

New content added on ML Ops and workspace access control

Module 2

New content and lab on Automated Machine Learning added

Module 3:

Estimators are deprecated. Content updated to use ScriptRunConfig.

Additional content on MLflow added.

Module 4:

Accessing datastores from experiments no longer recommended.

Patterns for using datasets in experiments explained in more depth.

Module 5:

Topic on container configuration added

Module 6:

Topic on event-driven automation added

Module 7:

Lesson on CI/CD added

Module 8:

Hyperparameter tuning example changed to use ScriptRunConfig – lab changed to include multiple hyperparameters

Module 9:

Focus expanded from interpreting models to responsible machine learning, with the addition of lessons on differential privacy and fairness.

Module 10:

Updates to focus on dataset-based data drift detection.

Update Date – Sep 2020

Module 1

Content updated to reflect deprecation of workspace editions

Module 2
Inaccuracy relating to evaluating clustering models with **Evaluate Model** module removed.

Module 3:
Explict RunConfig no longer required with ScriptRunConfig in code to run experiment

Update Date - June 2020

Module 2
Screenshots updated for changes in Azure ML designer UI

Module 3
Correction of **RunConfiguration** class name

Module 7
Update for **ParallelRunStep** class – moved from contrib library to core library

Update Date - Apr 2020

Global Change – Change across all modules
Minor typo's corrected.

Training Clusters are now called *Compute Clusters*.

Module 5
Import statements in code samples corrected.

Update Date - Feb 2020

Global Change – Change across all modules
Minor typo's corrected.

Module 7
Invalid service name examples corrected.

Update Date - Jan 2020

Global Change – Change across all modules

This course has been completely rewritten to focus on machine learning operations using Azure Machine Learning. This reflects significant changes in the Azure Machine Learning service since the course was first created as well as customer feedback on the original content.