

Blueprint – Azure Data Factory

Revision History

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1. [Scope](#)

This document provides the blueprint for the Data Factory Service offered by Azure. This contains the below.

1. Service Usage
2. Provisioning Scripts
3. Support Objectives
4. Monitoring metrics
5. Monitoring Setup Scripts

2. [Overview](#)

Azure Data Factory is the platform that solves such data scenarios. It is a cloud-based data integration service that allows you to create data-driven workflows in the cloud for orchestrating and automating data movement and data transformation. Using Azure Data Factory, you can create and schedule data-driven workflows (called pipelines) that can ingest data from disparate data stores. It can process and transform the data by using compute services such as Azure HDInsight Hadoop, Spark, Azure Data Lake Analytics, and Azure Machine Learning.

3. [Service Usage](#)

To Be Added

4. [Provisioning Script](#)

The below ARM template is to be used to provision an instance of the service.

This consists of the below parameters

Parameter Name	Description
DataFactoryName	Topic display name cannot exceed 10 characters in length.
DataFactoryLocation	Give a name to the DataFactoryLocation
Tag Values	specify Tag Values

Template Script

```
{
  "contentVersion": "1.0.0.0",
  "$schema": "http://schema.management.azure.com/schemas/2015-01-01/deploymentTemplate.json#",
  "parameters": {
    "DataFactoryName": {
      "type": "string",
      "metadata": {
        "description": "Name of the data factory. Must be globally unique."
      }
    }
  }
}
```

```

    },
    "DataFactoryLocation": {
      "type": "string",
      "allowedValues": [
        "East US",
        "West Central US",
        "West US"
      ],
      "defaultValue": "East US",
      "metadata": {
        "description": "Location of the data factory. Currently, only East US and
East US 2 are supported. "
      }
    },
    "TagValues": {
      "defaultValue": {
        "Tag1Name": "Tag1Value",
        "Tag2Name": "Tag2Value"
      },
      "type": "object",
      "metadata": {
        "description": "Tagsvalue can be used for searching purpose."
      }
    }
  },
  "resources": [
    {
      "name": "[parameters('DataFactoryName')]",
      "apiVersion": "2015-10-01",
      "tags": "[parameters('TagValues')]",
      "type": "Microsoft.DataFactory/datafactories",
      "location": "[parameters('DataFactoryLocation')]",
      "properties": {}
    }
  ]
}

```

5. Support Objectives

Below are the objectives to be fulfilled while providing support to Azure Data Factory.

- Request for Provisioning of Azure Data Factory
- Request for De-Provision of Azure Data Factory
- Request for Onboarding of Azure Data Factory
 - Setting up tags as defined by the enterprise
 - Configuring monitoring metrics
- Request for Updating tags in Azure Data Factory

6. [Monitoring Metrics](#)

This section details the metrics which are to be monitored for instances of Azure Data Factory.

To Be Added

7. [Monitoring Metrics Setup Script](#)

This section provides a single script which can setup all the recommended metrics for monitoring.

To Be Added