**LinkedService-AzureBlob-USSales**

|  |
| --- |
| {  "$schema": "http://datafactories.schema.management.azure.com/schemas/2015-09-01/Microsoft.DataFactory.LinkedService.json",  "name": "LinkedService-AzureBlob-USSales",  "properties": {  "type": "AzureStorage",  "typeProperties": {  "connectionString": "DefaultEndpointsProtocol=https;AccountName=<accountname>;AccountKey=<accountkey>;EndpointSuffix=core.windows.net"  }  }  } |

**LinkedService-AzureSQL-DataMart**

|  |
| --- |
| {  "$schema": "http://datafactories.schema.management.azure.com/schemas/2015-09-01/Microsoft.DataFactory.LinkedService.json",  "name": "LinkedService-AzureSQL-DataMart",  "properties": {  "type": "AzureSqlDatabase",  "typeProperties": {  "connectionString": "Data Source=tcp:<servername>.database.windows.net,1433;Initial Catalog=datamart;User ID=<username>@<servername>.database.windows.net;Password=<password>;Integrated Security=False;Encrypt=True;Connect Timeout=30"  }  }  } |

**dev\_config**

|  |
| --- |
| {  "$schema": "http://datafactories.schema.management.azure.com/vsschemas/V1/Microsoft.DataFactory.Config.json",  "LinkedService-AzureBlob-USSales": [  {  "name": "$.properties.typeProperties.connectionString", //i.e $.properties.connectionString  "value": "DefaultEndpointsProtocol=https;AccountName=designminddemo;AccountKey=<accountkey>;EndpointSuffix=core.windows.net"  }  ],  "LinkedService-AzureSQL-DataMart": [  {  "name": "$.properties.typeProperties.connectionString",  "value": "Data Source=tcp:<servername>.database.windows.net,1433;Initial Catalog=datamart;User ID=<username>@<servername>.database.windows.net;Password=<password>;Integrated Security=False;Encrypt=True;Connect Timeout=30"  }  ]  } |

**Input-AzureBlob-USSales**

|  |
| --- |
| {  "name": "Input-AzureBlob-USSales",  "properties": {  "structure": [ // Optional; file schema  {  "name": "ProductID",  "type": "String"  },  {  "name": "Date",  "type": "String"  },  {  "name": "Zip",  "type": "String"  },  {  "name": "Units",  "type": "String"  },  {  "name": "Revenue",  "type": "String"  }  ],  "type": "AzureBlob",  "linkedServiceName": "LinkedService-AzureBlob-USSales",  "typeProperties": {  "fileName": "US\_sales.csv",  "folderPath": "us-sales/{slice}/",  "format": {  "type": "TextFormat",  "columnDelimiter": ",",  "firstRowAsHeader": true  },  "partitionedBy": [  {  "name": "slice",  "value": {  "type": "DateTime",  "date": "SliceStart",  "format": "yyyyMMdd"  }  }  ]  // ,"compression": { // File compression type  // "type": "ZipDeflate",  // "level": "Optimal" // Optimal or Fastest  // }  },  "external": true,  "availability": {  "frequency": "Day", // Hour, Day, Week, Month, Minute  "interval": 1 // Multiplier for frequency  // "offset": "21:00:00"  }  }  } |

**InputOutput-AzureSQL-Stage-USSales**

|  |
| --- |
| {  "name": "InputOutput-AzureSQL-Stage-USSales",  "properties": {  "structure": [  {  "name": "ProductID",  "type": "String"  },  {  "name": "Date",  "type": "String"  },  {  "name": "Zip",  "type": "String"  },  {  "name": "Units",  "type": "String"  },  {  "name": "Revenue",  "type": "String"  }  ],  "type": "AzureSqlTable",  "linkedServiceName": "LinkedService-AzureSQL-DataMart",  "typeProperties": {  "tableName": "stage.US\_sales"  },  "availability": {  "frequency": "Day",  "interval": 1//,  // "offset": "21:00:00"  }  }  } |

**Pipeline-USSales-Summary** (Activity #1)

|  |
| --- |
| {  "name": "Pipeline-USSales-Summary",  "properties": {  "description": "Copy data from a Azure Blob to Azure SQL table",  "activities": [  // First activity  {  "name": "CopyFromBlobToSQL",  "type": "Copy",  "inputs": [  {  "name": "Input-AzureBlob-USSales" // First input  }  ],  "outputs": [  {  "name": "InputOutput-AzureSQL-Stage-USSales"  }  ],  "scheduler": {  "frequency": "Day",  "interval": 1  //"offset": "21:00:00"  },  "typeProperties": { // Properties specific to the type  "source": {  "type": "BlobSource" // eg. FileSystem  },  "sink": {  "type": "SqlSink", // eg. BlobSink  "sqlWriterCleanupScript": "$$Text.Format('truncate table stage.US\_Sales', WindowStart, WindowEnd)",  "writeBatchSize": 10000,  "writeBatchTimeout": "60:00:00"  }  },  "Policy": { // Execution policy  "concurrency": 1,  "executionPriorityOrder": "NewestFirst",  "style": "StartOfInterval", // Execution w/in Activity Window  "retry": 0,  "timeout": "01:00:00"  }  }  // Second Activity  ],  "start": "2018-01-09T00:00:00Z",  "end": "2018-01-12T00:00:00Z", // 2099-01-01T00:00:00Z  "isPaused": true  }  } |

**Output-AzureSQL-Summary-USSales**

|  |
| --- |
| {  "name": "Output-AzureSQL-Summary-USSales",  "properties": {  "published": false,  "type": "AzureSqlTable",  "linkedServiceName": "LinkedService-AzureSQL-DataMart",  "typeProperties": {  "tableName": "dbo.US\_Sales"  },  "availability": {  "frequency": "Day",  "interval": 1//,  // "offset": "21:00:00"  }  }  } |

**Pipeline-USSales-Summary** (Activity #2)

|  |
| --- |
| ,  {  "name": "ExecuteStoredProcedure",  "type": "SqlServerStoredProcedure",  "typeProperties": {  "storedProcedureName": "[dbo].[usp\_Populate\_US\_Sales]",  "storedProcedureParameters": {  "SliceStart": "$$Text.Format('{0:yyyy-MM-dd HH:mm:ss}', SliceStart)",  "SliceEnd": "$$Text.Format('{0:yyyy-MM-dd HH:mm:ss}', SliceEnd)",  "WindowStart": "$$Text.Format('{0:yyyy-MM-dd HH:mm:ss}', WindowStart)",  "WindowEnd": "$$Text.Format('{0:yyyy-MM-dd HH:mm:ss}', WindowEnd)"  }  },  "inputs": [  {  "name": "InputOutput-AzureSQL-Stage-USSales"  }  ],  "outputs": [  {  "name": "Output-AzureSQL-Summary-USSales"  }  ],  "scheduler": {  "frequency": "Day",  "interval": 1  //"offset": "21:00:00"  }  } |