Below is the json script for the Azure Data Lake Storage Linked Service connection:

{

    "name": "LS\_AzureDataLakeStorage",

    "properties": {

        "annotations": [],

        "type": "AzureBlobFS",

        "typeProperties": {

            "url": "https://adls2dev.dfs.core.windows.net",

            "accountKey": {

                "type": "AzureKeyVaultSecret",

                "store": {

                    "referenceName": "LS\_AzureKeyVault",

                    "type": "LinkedServiceReference"

                },

                "secretName": "ls-adls2-akv",

                "secretVersion": ""

            }

        }

    }

}

Below is the json script for the Azure Key Vault Linked Service connection:

{

    "name": "LS\_AzureKeyVault",

    "properties": {

        "annotations": [],

        "type": "AzureKeyVault",

        "typeProperties": {

            "baseUrl": "https://rl-kv-001-dev.vault.azure.net/"

        }

    }

}

Below is the json script for the Azure SQL Database Linked Service connection:

{

    "name": "LS\_AzureSqlDatabase",

    "type": "Microsoft.DataFactory/factories/linkedservices",

    "properties": {

        "annotations": [],

        "type": "AzureSqlDatabase",

        "typeProperties": {

            "connectionString": "Integrated Security=False;Encrypt=True;Connection Timeout=30;Data Source=rl-sqlserver-001-dev.database.windows.net;Initial Catalog=rl-sql-001-dev;User ID=devadmin",

            "password": {

                "type": "AzureKeyVaultSecret",

                "store": {

                    "referenceName": "LS\_AzureKeyVault",

                    "type": "LinkedServiceReference"

                },

                "secretName": "ls-sql-akv"

            }

        }

    }

}

Add the following pre-deployment script to the script arguments of the task, which are illustrated in Figure 19-30.

Pre-Deployment Script path: Should be fully qualified path or relative to the default working directory.

$(System.DefaultWorkingDirectory)/\_ADF-Demo-Project-CI1/dev/cicd.ps1

Pre-Deployment Script arguments: Additional parameters to pass to PowerShell which can be either ordinal or named parameters.

-armTemplate "$(System.DefaultWorkingDirectory)/\_ADF-Demo-Project-CI1/dev/ARMTemplateForFactory.json" -ResourceGroupName rl-rg-001-dev -DataFactoryName rl-adf-001-dev -predeployment $true -deleteDeployment $false

The following template and parameters which are defined in the deployment task, are shown in Figure 19-31 and Figure 19-32.

Deployment Template: Specify the path or a pattern pointing to the Azure Resource Manager template. More information about the templates can be found at the following URL: <https://aka.ms/azuretemplates> and to get started with a sample template, please see the following URL: https://aka.ms/sampletemplate.

$(System.DefaultWorkingDirectory)/\_ADF-Demo-Project-CI1/dev/ARMTemplateForFactory.json

Template parameters: Ensure that you select the path or a pattern pointing for the parameters file for the Azure Resource Manager template.

$(System.DefaultWorkingDirectory)/\_ADF-Demo-Project-CI1/dev/ARMTemplateParametersForFactory.json

Override template parameters: The “…” next to Override Parameters textbox will show the template parameters. You can also type the template parameters to override in the textbox. Example,  
–storageName fabrikam –adminUsername $(vmusername) -adminPassword $(password) –azureKeyVaultName $(fabrikamFibre).  
If the parameter value that you will be using has multiple words, be sure to enclose them in quotes, even if you're passing them using variables. For example, -name "parameter value" -name2 "$(var)"  
To override object type parameters use stringified JSON objects. For example, -options ["option1"] -map {"key1": "value1" }.

-factoryName "rl-adf-001-qa" -LS\_AzureSqlDatabase\_connectionString "Integrated Security=False;Encrypt=True;Connection Timeout=30;Data Source=rl-sqlserver-001-qa.database.windows.net;Initial Catalog=rl-sql-001-qa;User ID=qaadmin" -LS\_AzureDataLakeStorage\_properties\_typeProperties\_url "https://adls2qa.dfs.core.windows.net" -LS\_AzureKeyVault\_properties\_typeProperties\_baseUrl "https://rl-kv-001-qa.vault.azure.net/"

Add the following post-deployment script to the script arguments of the task, which are shown in Figure 19-34.

Post-deployment Script path:

$(System.DefaultWorkingDirectory)/\_ADF-Demo-Project-CI1/dev/cicd.ps1

Post-deployment Script arguments

-armTemplate "$(System.DefaultWorkingDirectory)/\_ADF-Demo-Project-CI1/dev/ARMTemplateForFactory.json" -ResourceGroupName rl-rg-001-dev -DataFactoryName rl-adf-001-dev -predeployment $false -deleteDeployment $true