

Modern Data Platform Framework

Azure DevOps Checklist

12 September 2022

Document control

Preparation

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| --- | --- | --- | --- |
|  | Name | Title | Date |
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| Reviewed |  |  |  |

Distribution list

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# Registration Resource Providers

Please see below for registering namespace providers; for more information, please see [Link to MDP Documentation from GitHub].

|  |  |
| --- | --- |
| **Resource Providers** | **Completed** |
| Microsoft.Sql |  |
| Microsoft.DataFactory |  |
| Microsoft.Databricks |  |
| Microsoft.Storage |  |
| Microsoft.KeyVault |  |

# Azure Related Administrative Task

Please see below the list of tasks required for the system administrator to act on Azure for the MDP Framework Deployment.

|  |  |  |
| --- | --- | --- |
| **Task** | **Description** | **Completed** |
| Creating Resource Group(s) | Creation resource group(s) is required for the MDP framework deployment, along with relevant roles and groups assigned to the resource group. |  |
| Azure Active Directory Group | This is required so that developers and administrators can work on developing and testing the framework further. |  |
| Assigning created AAD Group with Contributor role access to Resource Group(s) | Once the AAD Group is created, it needs to be assigned with Contributor access to the resource Group. |  |
| You are assigning Service Principal with Contributor role access to the Resource Group(s). | Once the Service Principal is created, it must be assigned to the resource group(s) with Contributor access. |  |
| You are assigning Service Principal with Storage Blob Data Contributor role access to the Resource Group(s). | Once the Service Principal is created, it must be assigned to the resource group(s) with Storage Blob Data Contributor access. |  |

# Azure DevOps deployment variable dependencies

For the framework to be deployed automatically, there are some Azure dependencies that the project requires for automated deployment. For more information, please see [MDP Documentation on GitHub].

Please see the list below.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Itinerary Value** | **Name** | **Description** | **Value** | **MDP Documentation Link** |
| 1. | Resource Group Name | Name of the resource group |  | [base-mdp-framework/Creating the resource groups.md at master · antares-solutions/base-mdp-framework (github.com)](https://github.com/antares-solutions/base-mdp-framework/blob/master/Documentations/Creating%20the%20resource%20groups.md) |
| 2. | Azure Active Directory Group Name | Name of Azure Active Directory Group that is linked to the resource group. |  |  |
| 3. | Azure Databricks Object ID | Enterprise Application Object ID of Azure Databricks. |  | [base-mdp-framework/Creating Service Principal For Azure DevOps.md at master · antares-solutions/base-mdp-framework (github.com)](https://github.com/antares-solutions/base-mdp-framework/blob/master/Documentations/Creating%20Service%20Principal%20For%20Azure%20DevOps.md) |
| 4. | Service Principal Name | Service Principal Name is required for Azure DevOps Pipeline Deployment and Project Service Connector. |  | <https://github.com/antares-solutions/base-mdp-framework/blob/master/Documentations/Creating%20Service%20Principal%20For%20Azure%20DevOps.md#creating-a-service-principal> |
| 5. | Service Principal Object ID | Service Principal Enterprise Application Object ID. |  | <https://github.com/antares-solutions/base-mdp-framework/blob/master/Documentations/Creating%20Service%20Principal%20For%20Azure%20DevOps.md#creating-a-service-principal> |
| 6. | Service Principal Application (client) ID | Service Principal App Registration Application (client) ID. |  | <https://github.com/antares-solutions/base-mdp-framework/blob/master/Documentations/Creating%20Service%20Principal%20For%20Azure%20DevOps.md#creating-a-service-principal> |
| 7. | Service Principal Secret | Service Principal Secret. |  | <https://github.com/antares-solutions/base-mdp-framework/blob/master/Documentations/Creating%20Service%20Principal%20For%20Azure%20DevOps.md#creating-an-app-secret> |
| 8. | Subscription ID | Azure Subscription ID of where the Azure resources will be deployed. |  |  |
| 9. | Subscription Name | Azure Subscription name of where the Azure resources will be deployed. |  |  |
| 10. | Tenant-ID | Azure Tenant ID. |  |  |

## Azure DevOps Project Dependencies

After creating the Azure DevOps project, the project requires additional settings. Please see below.

|  |  |  |
| --- | --- | --- |
| **Settings** | **Description** | **Completed** |
| Service Connections Creation | A service connection must be created and linked to the service principal for the deployment of Azure resources. |  |

Any questions?

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