



- <> Source
- 🔗 Commits
- 🔗 Branches
- 🔗 Pull requests
- 🔄 Pipelines
- 🔗 Deployments
- 🔗 Jira issues
- 🔒 Security
- 📄 Downloads

# README.md

Pull requests

Check out

Source

🔗 master

🔗 426075a

Full commit

📄 azure-arm-deploy / README.md

Edit

⋮

## Bitbucket Pipelines Pipe: Azure ARM Deploy

Deploy resources to Azure using [Azure Resource Manager](#) templates. Azure Resource Manager is the deployment and management service for Azure. [Resource Manager templates](#) are JSON files that define the resources you need to deploy for your solution.

### YAML Definition

Add the following snippet to the script section of your `bitbucket-pipelines.yml` file:

```
script:
- pipe: microsoft/azure-arm-deploy:1.0.2
  variables:
    AZURE_APP_ID: $AZURE_APP_ID
    AZURE_PASSWORD: $AZURE_PASSWORD
    AZURE_TENANT_ID: $AZURE_TENANT_ID
    AZURE_RESOURCE_GROUP: '<string>'
    # AZURE_LOCATION: '<string>' # Optional
    # AZURE_DEPLOYMENT_NAME: '<string>' # Optional
    # AZURE_DEPLOYMENT_MODE: '<string>' # Optional
    # AZURE_DEPLOYMENT_TEMPLATE_FILE: '<string>' # Optional
    # AZURE_DEPLOYMENT_TEMPLATE_URI: '<string>' # Optional
    # AZURE_DEPLOYMENT_PARAMETERS: '<string>' # Optional
    # AZURE_DEPLOYMENT_NO_WAIT: '<boolean>' # Optional
    # AZURE_DEPLOYMENT_ROLLBACK_ON_ERROR: '<boolean>' # Optional
    # DEBUG: '<boolean>' # Optional
```

### Variables

Variable	Usage
AZURE_APP_ID (*)	The app ID, URL or name associated with the service principal required for login.
AZURE_PASSWORD (*)	Credentials like the service principal password, or path to certificate required for login.
AZURE_TENANT_ID (*)	The AAD tenant required for login with the service principal.
AZURE_RESOURCE_GROUP (*)	Name of the resource group.
AZURE_LOCATION	Azure location. Required if AZURE_RESOURCE_GROUP doesn't exist already.
AZURE_DEPLOYMENT_NAME	The deployment name. Default to template file base name.
AZURE_DEPLOYMENT_MODE	The deployment mode. Accepted values: Incremental (only add resources to resource group) or Complete (remove extra resources from resource group). Default: Incremental.
AZURE_DEPLOYMENT_TEMPLATE_FILE	A template file path in the file system.
AZURE_DEPLOYMENT_TEMPLATE_URI	A uri to a remote template file.
AZURE_DEPLOYMENT_PARAMETERS	Deployment parameter values from a local JSON file, a remote JSON file, a JSON string and/or key/value pairs.
AZURE_DEPLOYMENT_ROLLBACK_ON_ERROR	Roll back to the last successful deployment on error. Default: <code>false</code>
AZURE_DEPLOYMENT_NO_WAIT	Do not wait for the long-running operation to finish. Default: <code>false</code> .
DEBUG	Turn on extra debug information. Default: <code>false</code> .

(\*) = required variable.

### Prerequisites

You will need to configure a service principal with access to your resources. The easiest way to do it is by using the Azure cli. You can either [install the Azure cli](#) on your local machine, or you can use the [Azure Cloud Shell](#) provided by the Azure Portal in a browser.

### Instructions

Create a service principal in your Azure subscription:

```
az ad sp create-for-rbac --name MyServicePrincipal
```

### Documentation

- Create an Azure service principal with Azure CLI

### Examples

#### Basic example

```
script:
- pipe: microsoft/azure-arm-deploy:1.0.2
  variables:
    AZURE_APP_ID: $AZURE_APP_ID
    AZURE_PASSWORD: $AZURE_PASSWORD
    AZURE_TENANT_ID: $AZURE_TENANT_ID
    AZURE_RESOURCE_GROUP: 'my-resource-group'
    AZURE_DEPLOYMENT_TEMPLATE_FILE: 'deployment.json'
    AZURE_DEPLOYMENT_PARAMETERS: 'deployment.parameters.json'
```

#### Advanced example:

```
script:
- pipe: microsoft/azure-arm-deploy:1.0.2
  variables:
    AZURE_APP_ID: $AZURE_APP_ID
    AZURE_PASSWORD: $AZURE_PASSWORD
    AZURE_TENANT_ID: $AZURE_TENANT_ID
    AZURE_RESOURCE_GROUP: 'my-resource-group'
    AZURE_LOCATION: 'CentralUS'
    AZURE_DEPLOYMENT_NAME: 'my-deployment'
    AZURE_DEPLOYMENT_MODE: 'Complete'
    AZURE_DEPLOYMENT_TEMPLATE_URI: 'https://myresource/azuredeploy.json'
    AZURE_DEPLOYMENT_PARAMETERS: 'https://mysite/params.json --parameters SomeValue=This SomeOtherValue=That'
    AZURE_DEPLOYMENT_ROLLBACK_ON_ERROR: 'true'
    AZURE_DEPLOYMENT_NO_WAIT: 'true'
    DEBUG: 'true'
```

### Support

This sample is provided "as is" and is not supported. Likewise, no commitments are made as to its longevity or maintenance. To discuss this sample with other users, please visit the Azure DevOps Services section of the Microsoft Developer Community: <https://developercommunity.visualstudio.com/spaces/21/index.html>.

- ☰
- 🔗
- 🔗
- 🔄