

Deploy Azure Function Action



This action is a wrapper for the Azure command line: [az functionapp deployment source config-zip](#). If you're having trouble using this action, or any of the Azure actions, please refer to the [Azure command line reference](#).

The Deploy Azure Function action is a [premium action](#) that can be used to deploy the files for a [Function](#) app to Azure.

Before deploying an Azure Function, you will need a [Resource Group](#) and an existing [Function](#) app. Generally, you would use the [DotNet Publish Action](#) to copy the required files to a source directory for this action.

See also the [Create Azure Function Action](#) and [Delete Azure Function Action](#).

Deploy Azure Function

Deploy Azure Function ActionPremium

Deploy Azure Function

Authentication

Settings

Variables

Options

Environment

Comments

Required Field

Name

Deploy Azure Function []

☒ Enabled

Working Folder

\$Workspace\$

Optional working folder for running the executable. Defaults to the workspace folder.

Authentication Actions

☒ Login ☒ Logout

Choose whether to log in to Azure before running the command and logout after running the command.

Source File or Directory

Path to zip file or directory to deploy to Azure [--src]

☐ Use Resource Id(s)

Function Name

Name of the function app to deploy to. [--name]

Resource Group

Name of the resource group the function app is under. [--resource-group]

Using

Azure.CLI.Default

☒ Validate

Name

A friendly name for this action (will be displayed in the [actions workflow area](#)).

Enabled

Determines if this action will be run within the relevant stage.

Working Folder

The folder where the command line executable is run. This is optional and defaults to the workspace folder.

Authentication Actions

Generally you will need to log in to Azure before running this action and log out afterwards. If you have several Azure actions in a stage, you can avoid repeated logins by unchecking the Login action on all but the first Azure action and unchecking the Logout action on all but the last Azure action. The Authentication tab will be shown if either of these options is ticked.

Source File or Directory

The path to the zip file or directory to deploy to Azure. If a directory is entered, a temporary zip file will be created of all the files in the directory and its subdirectories and this will be deployed to Azure. [--src]

Use resource ID(s)

If this ticked, the function to delete is identified by its resource ID.

Resource ID(s)

This field is visible only if the checkbox 'Use resource ID(s)' is ticked.

List of resource IDs of function apps to delete. One ID per line. [--ids]

Function Name

This field is visible only if the checkbox 'Use resource ID(s)' is not ticked.

The name of an existing function app to deploy to. [--name]

Resource Group

This field is visible only if the checkbox 'Use resource ID(s)' is not ticked.

The name of the resource group the function app is under. [--resource-group]

Using

The version of the Azure command line to use. It is important that the agent has the correct version of the Azure command line installed for command provided.

The Using drop down is populated with any property collector whose namespace matches the pattern defined by the Create Azure Resource Group action. The pattern for this action is `^Azure.Cli.*`

If you create a property collector for this action, make sure you select the **Path Finder Plugin** type and give it a name that will match the pattern above in blue. Example names listed [here](#), search the table's Plugin column for "**Azure Command**".

For more in-depth explanations on property collectors see [Property Collectors](#).

Alternatively, you can select the **Custom** option from the Using drop down list and specify a path in the resulting input field that will be displayed. Please read [Why it's a good idea to use a property collector](#) before using this option.

Authentication

Deploy Azure Function Action

Premium

Deploy Azure Function

Authentication

Settings

Variables

Options

Environment

Comments

Required Field

☐ Sign in/out using service principal [login --service-principal]

Username

[login | logout --username]

Password

User's password [login --password]

Validate

Save

Cancel

Help

Sign in/out using service principal

Tick this to log in or out using a service principal instead of a username and password. An Azure service principal is an identity created for use with applications, hosted services, and automated tools to access Azure resources. This access is restricted by the roles assigned to the service principal, giving you control over which resources can be accessed and at which level. For security reasons, it's always recommended to use service principals with automated tools rather than allowing them to log in with a user identity. [login --service-principal]

Username / Password Authentication

Username

Enter a username to log into the Azure cloud. This is generally an email address. [login|logout --username]

Password

The password associated with the Azure username. [login --password]

Service Principal Authentication

Deploy Azure Function Action

Premium

Deploy Azure Function

Authentication

Settings

Variables

Options

Environment

Comments

Required Field

☒ Sign in/out using service principal [login --service-principal]

Name or URL

The URL or name associated with the service principal. [login | logout --username]

Client Secret or Certificate

Client secret or a pem file with key and public X509 certificate used to create the service principal. [login --password]

Tenant

acd5f022-23d6-4813-8ea7-65586a19cd38

The tenant associated with the service principal, as either an .onmicrosoft.com domain or Azure object ID. [login --tenant]

☐ Use certificate SN issuer [login --use-cert-sn-issuer]

Validate

Save

Cancel

Help

Name or URL

Enter the application name or the URL associated with the service principal. [login --service-principal --username]

Client Secret or Certificate

Enter the service principal password, or the path to a X509 certificate used to create the service principal in PEM format. [login --service-principal --password]

Tenant

Enter the tenant associated with the service principal, as either an [.onmicrosoft.com](#) domain or Azure object ID. [login --service-principal --tenant]

Use certificate SN issuer

Tick to support automatic certificate rollovers with service principals configured with Subject Name and Issuer Authentication. [login --use-cert-sn-issuer]

Settings

Deploy Azure Function Action

Premium

Deploy Azure Function

Authentication

Settings

Variables

Options

Environment

Comments

Required Field

Command Timeout (in seconds)

0

The time in seconds to wait for the deployment to complete. Leave zero to wait until complete. [--timeout]

Subscription

Name or ID of the subscription. Leave blank for default. [--subscription]

Validate

Save

Cancel

Help

Command Timeout (in seconds)

The time in seconds to wait for the storage container to be created. Leave zero to wait until complete. [--timeout]

Subscription

The name or ID of the subscription to use. If omitted the default subscription for your environment will be used. [--subscription]

Variables

Deploy Azure Function Action

Premium

Deploy Azure Function

Authentication

Settings

Variables

Options

Environment

Comments

Required Field

Deployment ID

No variables exist for this configuration.

Select the name of the build variable to set with the id of the deployment.

Site Name

No variables exist for this configuration.

Select the name of the build variable to set with the site name of the deployed function app.

Deployment URL

No variables exist for this configuration.

Select the name of the build variable to set with the URL the deployment.

Deployment Log URL

No variables exist for this configuration.

Select the name of the build variable to set with the URL of the deployment log.

Validate

Save

Cancel

Help

Deployment ID

Select the name of the build variable to set with the id of the deployment.

Site Name

Select the name of the build variable to set with the site name of the deployed function app.

Deployment URL

Select the name of the build variable to set with the URL the deployment.

Deployment Log URL

Select the name of the build variable to set with the URL of the deployment log.

Options

Deploy Azure Function Action

Premium

Deploy Azure Function

Authentication

Settings

Variables

Options

Environment

Comments

Required Field

Log Level

Normal

Timeout (in seconds)

0

How long to wait for the action to finish running before timing out. Leaving this blank (or zero) will default to 86400 seconds (24 hours).

No Response Timeout (in seconds)

0

How many seconds to wait for the Azure commands to respond with output before timing out. Leave zero to wait until the main timeout.

☐ Treat failure as warning

Tick to continue build on failure marking the action with a warning status.

☐ Ignore warnings

Validate

Save

Cancel

Help

Log Level

The amount of information detail to display in the build log.

Timeout (in seconds)

How long to wait for the action to finish running before timing out. Leaving this blank (or zero) will default to 86400 seconds (24 hours).

No Response Timeout (in seconds)

How many seconds to wait for the Azure commands to respond with output before timing out. Leave zero to wait until the main timeout.

Treat failure as warning

Tick to continue build on failure marking the action with a warning status.

Ignore warnings

If this is ticked, any warnings logged will not mark the action with a warning status.

Environment

Deploy Azure Function Action

Premium

Deploy Azure Function

Authentication

Settings

Variables

Options

Environment

Comments

Environment Variables

variable_name=variable_value

Required Field

Specify one name & value pair per line.

☒ Log environment variables

☐ Generate system environment variables

Tick this to set new environment variables prefixed with 'ContinuaCI.' for system objects and variables.

Validate

Save

Cancel

Help

Environment Variables

Multiple environment variables can be defined - one per line. These are set before the command line is run.

Log environment variables

If this is ticked, environment variable values are written to the build log.

Generate system environment variables

Tick this checkbox to set up a list of new environment variables prefixed with 'ContinuaCI.' for all current system expression objects and variables.

Mask sensitive variable values in system environment variables

This checkbox is visible only if the 'Generate system environment variables' checkbox is ticked.

If this is ticked, the values of any variables marked as sensitive will be masked with **** when setting system environment variables. Clear this to expose the values.