

Create Azure Function Action



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

The Create Azure Function action is a [premium action](#) that can be used to create a new [Function](#) apps on Azure.

Before creating an Azure Function, you will need a [Resource Group](#) and a [Storage Account](#). See also the [Delete Azure Function Action](#).

Create Azure Function

Create Azure Function Action

Premium

Create Azure Function Authentication Settings Platform App Insights Variables Options Environment Comments

Required Field

Name

Create 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.

Function Name

Name for the new function app. [--name]

Resource Group

Name of the resource group to create the new function app under. [--resource-group]

Storage Account

Name of the storage account create the new function app under. [--storage-account]

Using

Azure.CLI.Default

☒ Validate

Save

Cancel

Help

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.

Function Name

The name of the new function app. This can include alphanumeric characters and hyphens but no spaces. [--name]

Resource Group

The name of an existing resource group to create the new function app under. [--resource-group]

Storage Account

The name of an existing storage account to create the new function app under. [--storage-account]

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

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☐ 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 --username]

Service Principal Authentication

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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

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Required Field

You must specify either a Plan or Consumption Plan Location for the function app

Plan

Name or ID of app service plan to create the new function app under. [--plan]

Consumption Plan Location

Geographic location where function app will be hosted. [--consumption-plan-location]

Tags

Space-separated tags in 'key[=value]' format. [--tags]

Subscription

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

Validate

Save

Cancel

Help

Plan

Name or ID of app service plan to create the new function app under. [--plan]

Consumption Plan Location

Geographic location where function app will be hosted. [--consumption-plan-location]

Custom Consumption Plan Location

This field is visible when the Consumption Plan Location is set to 'Custom'.

Specify an alternative geographic location. The list of accepted values can be found by running the command line 'az functionapp list-consumption-locations'.

Tags

A space-separated list of tags in 'key[=value]' format. Tags let you categorise your Azure resources according to whichever patterns make sense for your organisation's needs. [--tags]

Subscription

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

Platform

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Runtime

Default

The function's runtime stack. [--runtime]

Container Image Name

Linux only. Container image name from Docker Hub, e.g. publisher/image-name:tag.
[--deployment-container-image-name]

OS Type

Default

The type of OS that the function app will run under. [--os-type]

Required Field

Validate

Save

Cancel

Help

Runtime

The function app's runtime stack (e.g. .Net, Java, Node.js or Python) [--runtime]

Container Image Name

Linux only. The name of a container image from Docker Hub, e.g. publisher/image-name:tag. [--deployment-container-image-name]

OS Type

The type of OS that the function app will run under. [--os-type]

App Insights

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Required Field

Project Name

Name of an existing App Insights project to be added to the function app. Must be in the same resource group.
[--app-insights]

Instrumentation Key

Instrumentation key of App Insights to be added. [--app-insights-key]

Validate

Save

Cancel

Help

Project Name

The name of an existing App Insights project to be added to the function. It must be in the same resource group. [--app-insights]

Instrumentation Key

The instrumentation key of App Insights to be added. [--app-insights-key]

Variables

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Comments

Required Field

Location

No variables exist for this configuration.

Select the name of the build variable to set with the location of the new function app.

Resource Group

No variables exist for this configuration.

Select the name of the build variable to set with the resource group of the new function app.

Host Name

No variables exist for this configuration.

Select the name of the build variable to set with the host name of the new function app.

Web App ID

No variables exist for this configuration.

Select the name of the build variable to set with the ID of the new function app.

Outgoing IP Addresses

No variables exist for this configuration.

Select the name of the build variable to set with the outgoing name of the new function app.

Repository Site Name

No variables exist for this configuration.

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

Validate

Save

Cancel

Help

Location

Select the name of the build variable to set with the location of the new function app.

Resource Group

Select the name of the build variable to set with the resource group of the new function app.

Host Name

Select the name of the build variable to set with the host name of the new function app.

Wen App ID

Select the name of the build variable to set with the ID of the new function app.

Outgoing IP Addresses

Select the name of the build variable to set with the outgoing name of the new function app.

Repository Site Name

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

Options

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Required Field

Log LevelNormal

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

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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.