

# Create Azure Storage Account Action



This action is a wrapper for the Azure command line: [az storage account 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 Storage Account action is a [premium action](#) that can be used to create a [storage account](#) on Azure.

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

## Create Azure Storage Account

Create Azure Storage Account Action

Premium

Create Azure Storage AccountAuthenticationStorage AccountSettingsNetworkingVariablesOptionsEnvironmentComments

Name

Create Azure Storage Account []

☒ 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.

Account Name

Name for the new storage account. [--name]

Resource Group

Name of the resource group to create the new storage account under. [--resource-group]

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.

### Account Name

The name of the new storage account. Storage account names can contain only lowercase letters and numbers. [--name]

### Resource Group

The name of an existing resource group to create the new storage account 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

**Create Azure Storage Account Action** Premium

Create Azure Storage Account **Authentication** Storage Account Settings Networking Variables Options Environment Comments

☐ 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

SaveCancelHelp

### 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]

## Storage Account

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KindStorage

The type of storage account. Default is 'Storage'. [--kind]

☐ Assign identity  
Generate and assign a new Storage Account Identity for this storage account for use with key management services like Azure KeyVault. [--assign-identity]

Services to Encrypt☐ Blob☐ File☐ Queue☐ Table  
Types of storage services to encrypt for this storage account. [--encryption-services]

Validate

SaveCancelHelp

Kind

The type of storage account. The default is the general purpose 'Storage' account type. See [Azure storage account overview](#) for details of the types of storage accounts available and the supported services. [--kind]

Assign identity

Tick to generate and assign a new Storage Account Identity for this storage account. This is for use with key management services such as Azure KeyVault. [--assign-identity]

Services to Encrypt

The types of storage services to encrypt for this storage account. [--encryption-services]

Settings

Create Azure Storage Account ActionPremium

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Required Field

LocationDefault▼  
Select a global region for the new web app. [--location]

Access TierDefault▼  
The access tier used for billing StandardBlob accounts. [--access-tier]

Pricing TierStandard RAGRS▼  
Pricing tier for the new storage account. Default is 'Standard\_RAGRS'. [--sku]

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

Subscription  
Name or ID of the subscription. [--subscription]

Validate

Save

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## Location

Select a global region for the new storage account. [--location]

## Access Tier

The access tier used for billing StandardBlob accounts. [--access-tier]

## Pricing Tier

Pricing tier for the new storage account. The default is 'Standard RAGRS'. See [Azure Storage Overview pricing](#) for further details. [--sku]

## Custom Pricing Tier

This field is visible when the Pricing Tier is selected to 'Custom'.

State the storage account SKU. The list of accepted values can be found [here](#).

## 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]

## Networking

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Required Field

Bypass Traffic

Azure services

Traffic to bypass in network rule. Default is 'Azure Services'. [--bypass]

Custom Domain

A custom domain name to assign to the storage account. [--custom-domain]

Default Action

Allow

Default action to apply when no network rule matches. [--default-action]

☐ HTTPS only

Tick to allow only HTTPS traffic to storage service. [--https-only]

Validate

Save

Cancel

Help

**Bypass Traffic**

The type of traffic to bypass in the network rule. The default is 'Azure Services'. [--bypass]

**Custom Domain**

A custom domain name to assign to the storage account. [--custom-domain]

**Default Action**

The default action to apply when no network rule matches. [--default-action]

**HTTPS only**

Tick to allow only HTTPS traffic to storage service. [--https-only]

**Variables**

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Required Field

Location

No variables exist for this configuration.

Select the name of the build variable to set with the location of the new storage account.

Resource Group

No variables exist for this configuration.

Select the name of the build variable to set with the resource group of the new storage account.

Account ID

No variables exist for this configuration.

Select the name of the build variable to set with the id of the new storage account.

Pricing Tier

No variables exist for this configuration.

Select the name of the build variable to set with the pricing tier of the new storage account.

Validate

Save

Cancel

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## Location

Select the name of the build variable to set with the location of the new storage account.

## Resource Group

Select the name of the build variable to set with the resource group of the new storage account.

## Account ID

Select the name of the build variable to set with the id of the new storage account.

## Pricing Tier

Select the name of the build variable to set with the pricing tier of the new storage account.

## 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

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## 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.