

# Docker Inspect Action



The Docker actions in Continua are a wrapper around the docker command line. If you're having trouble using any of the Docker actions, please refer to the [Command Line Reference](#).

Docker Inspect action is a [premium action](#) which allows you to output low-level information on Docker objects to a Continua CI variable.

## Docker Inspect

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Docker Inspect

Value Selection

Options

Environment

Comments

Name

Docker Inspect []

Required Field

☒ Enabled

Working Directory

\$Workspace\$

The directory from where Docker commands should be run. Defaults to the workspace folder if left empty.

Object Identifier

The ID or name of the object (e.g. container, image, volume, network, node, service, or task) to inspect.

Type

Any

The type of object that we are inspecting. If you leave this as 'Any', a container will be inspected in preference to an image with the same name. [--type]

☐ Specify remote Docker host

Tick to open a new Host tab to specify an alternative Docker host to the one local to the agent.

Using

Docker.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 Directory

The directory from where the Docker command will be run. If left empty, this defaults to the workspace folder.

### Object Identifier

The ID or name of the object (e.g. container, image, volume, network, node, service, or task) to inspect.

### Type

The type of object that we are inspecting [--type]:

- Any
- Container
- Image
- Volume
- Network
- Node
- Service

- Task

If you leave this as 'Any', a container will be inspected in preference to an image with the same name.

## Specify remote Docker host

Tick to open a new Host tab to specify an alternative Docker host to the one local to the agent.

## Using

The version of Docker to use when running the Docker Inspect command. It is important that the correct version of Docker is installed on the agent.

The Using drop down is populated with any property collector whose namespace matches the pattern defined by the Docker Inspect action. The pattern for this action is `^Docker.*`

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 **"Docker Inspect"**.

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.

## Host

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Docker InspectHostValue SelectionOptionsEnvironmentComments

Required Field

Docker Host URL

docker.ourswarm.company.com or 10.0.1.172

Docker host to run Docker commands from. [--host]

☐ Use TLS

Tick to connect to the Docker host using TLS. [--tls]

CA Certificate

ca.pem

Path to Docker host CA certificate file. [--tlscacert]

Certificate

cert.pem

Path to Docker host certificate file. [--tlscert]

Docker Host Key

key.pem

Path to Docker host key file. [--tlskey]

Validate

Save

Cancel

Help

### Docker Host URL

The address of the host running the Docker daemon. This can be in the form of a URL or any IP4 Address. If a non-standard port is required simply use the <IPAddress>:<Port> specification format. [--host]

### Use TLS

Tick to connect to the Docker host using TLS where the host is not verified against a CA. [--tls]

### Verify TLS

This is available only if 'Use TLS' is ticked. Tick to verify the TLS certificate with a root authority. [--tlsverify]

When using Verify TLS, if the host's certification authority (CA) is not trusted by the agent, then the connection is not established.

**Note:** The `--tls` command line option is overridden.

## CA Certificate

The path to Docker host CA certificate file. [`--tlscacert`]

## Certificate

The path to Docker host certificate file. [`--tlscert`]

## Docker Host Certificate Key

The path to a PEM format file containing the key for the accessing the Docker Host Certificate. [`--tlskey`]

## Value Selection

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Value Selection Format

Go template

Required Field

Go Template

{{ .NetworkSettings.Networks.nat.IPAddress }}

Enter a Go template to select a value to output to a variable. See [Format command](#). [`--format`]

Output Variable

No variables exist for this configuration! You will need to create one before saving this action.

Select the name of the build variable to set with the result of the inspection.

Validate

Save

Cancel

Help

### Value Selection Format

Choose the query format to use to select a value from the command output.

- Go template
- Json path

The relevant input boxes below will be shown for entering the associated template or query as each option is selected.

### Go Template

This input box is shown when the 'Go template' option is chosen for Output Selection Format. Enter the template for selecting the required value. See the [Docker command and log output](#) documentation for examples. Command line option: `--format`

### JSON Path

This input box is shown when the 'JSON path' option is chosen for Output Selection Format. Enter a [JSONPath](#) expression for selecting the required value.

### Ignore errors if JSON Path does not match a node. Log warning only.

Tick this checkbox to prevent the build failing if no node is found in the output which matches the JSONPath expression. A warning will be logged to build log instead.

### Output Variable

Select the name of the build variable to set with the result of the inspection.

## Options

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Required Field

☐ Ignore any errors setting variable value. Log warning only

☐ Include the total size of the files if the type is a container. [--size]

☒ Log standard output. [--log-level]

Log Level

Info

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).

☐ Treat failure as warning

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

☐ Ignore warnings

Validate

Save

Cancel

Help

### Ignore any errors setting variable value. Log warning only

Tick to ignore any errors setting the variable value. e.g. variable is the wrong type. A warning will be logged to build log instead.

### Include the total size of the files if the type is a container

Tick to include the total size of the files in the output if the type is a container. Docker command line argument: --size

### Log standard output

Tick to log standard output. [--log-level]

### 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).

### 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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Value Selection

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.