

# Load Build Variable

Continua CI takes a copy of the configuration, project and application variables (collectively known as server variables) at the start of each build. These copies are referred to as [Build Variables](#). Any changes to server variables by other builds or by user edits are not reflected in the value of the build variable.

The Load Build Variable build event handler allows you to load the build variable with the current value of the corresponding server variable when specific events happen in the build timeline.

## Load Build Variable

The screenshot shows the 'Edit Build Event Handler' dialog with the 'Load Build Variable' tab selected. The dialog has four tabs: 'Build Event Handler', 'Load Build Variable', 'Options', and 'Conditions'. The 'Load Build Variable' tab contains four fields: 'Variable Name' (set to 'counter1'), 'Load On Build Event' (set to 'On Stage Completed'), 'Stage' (set to 'Build'), and 'Build Status' (set to 'Any'). A 'Required Field' indicator is present next to the 'Variable Name' field. Below the 'Variable Name' field, there is a note: 'Select the build variable to load. Note that Expression variables are read-only and are excluded from this list.' Below the 'Load On Build Event' field, there is a note: 'When to load the Build variable. The current value of the Configuration, Project or Application variable is loaded as the new value of the Build variable..'

### Variable Name

Select an existing variable. The drop down list will show all Configuration, Project and Application variables except for Expression variables which are read only.

### Persist On Build Event

Specify when to load the build variable by selecting one of the following [Build Events](#):

- On Before Build Queued
- On Before Build Start
- On After Build Started
- On Before Stage Start
- On Sending Stage To Agent
- On Stage Completed
- On Build Pending Promotion
- On Before Build Continue
- On After Build Continued
- On Before Build Stage Requeued

Some build events will allow you to specify the Stage or Build Status

### Stage

For stage events you can choose the stage name or select "(all stages)"

### Build Status

For completion events you can choose the status which triggers the build event handler. This can be Successful, Failed or Any.

## Options

Edit Build Event Handler

Build Event Handler
Load Build Variable
Options
Conditions

Required Field

☒ Do not overwrite if modified  
Tick this to ensure that we don't overwrite any changes to the Build variable made so far during the build process. i.e. since the current build or stage started.

Since Build Event

On Sending Stage To Agent

When to store the current Build variable value for checking for modification.

Stage

Build

☒ Log warning if not loaded  
☐ Fail build if not loaded

### Do not overwrite if modified

Tick this to ensure that we don't overwrite any changes to the Build variable made so far during the build process. i.e. since the current build or stage started.

### Since Build Event

Select one of the following [Build Events](#):

- On Build Created
- On Before Build Queued
- On Before Build Start
- On After Build Started
- On Before Stage Start
- On Sending Stage To Agent
- On Stage Completed
- On Build Pending Promotion
- On Before Build Continue
- On After Build Continued
- On Before Build Stage Requeued

The value of the Build variable is stored on this event and this is compared with the current value before loading. If the value has changed since this event that the new server value will not be loaded.

### Log warning if not loaded

A warning is added to the build log if this is ticked and the variable value is not loaded due to the modification check.

### Fail build if not loaded

The build will fail if this is ticked and the variable value is not loaded due to the modification check.