

# Commands

## Overview

Commands are configuration elements used to describe plugins usage.

It tells Shinken Enterprise where to find plugins, how to use it, what arguments are necessary, and how to substitute arguments by Data.

For example, **check\_ping** is a plugin used to ping a host, and get informations about network connectivity with host :

```
check_ping -H <host_address> -w <wrta>,<wpl>% -c <crta>,<cpl>%
```

Plugin help tells that to use the command, we need to pass, as argument the following :

- -H : host address
- -w : wrta,wpl (Warning Round Trip Average, Warning Packet Loss)
- -c : crta, cpl (Critical Round Trip Average, Critical Packet Loss)

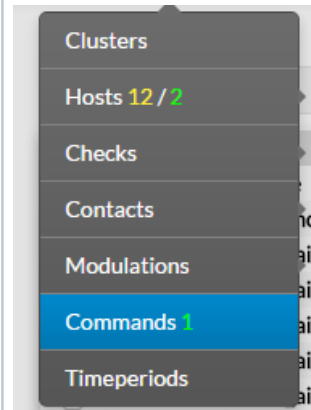
The corresponding commands should be :

```
check_ping -H $HOSTADDRESS$ -w $ARG1$ -c $ARG2$
```

In this way, Shinken Enterprise will be able to replace arguments by the corresponding value, depending of HOSTADDRESS and arguments given to cor

## Accessing Commands configuration

Commands Configuration can be accessed by the Main Menu "Commands".



When accessing the Commands Configuration Page, a Command Table is displayed, listing all Commands objects.

On the top of the table, A tool bar let Administrators the ability to :

- Enable, Disable, Delete or Duplicate selected Commands
- Filter list by Name

Commands >		Filter by name	Poller Tag	Reactor Tag	Pack	Status
<input type="checkbox"/>	Differences Name bp_rule		None	None		Enabled

This table contains the following informations :

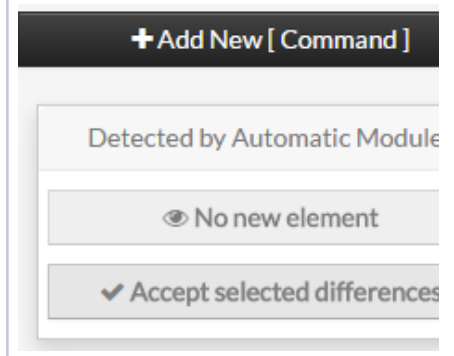
- A check box to select one or more commands
- Differences
- Name
- Poller Tag
- Reactionner Tag
- Pack
- Status

This page also provides, on the left, an action Menu, used to :

- Add a new Command
- Show Commands detected by Automatic Modules
- Accept differences on selected elements

## Create a new Command

To create a new Command, use the button "Add new [Command]" located in the Action Menu



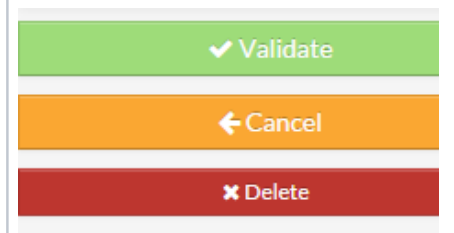
Command creation form will be displayed.

This form is composed of tabs, corresponding to categories of properties :

- Generic
- Advanced

The left menu give to Administrators the ability to :

- Validate the new Command
- Cancel the action
- Delete the Command



For each category, a corresponding form is displayed.

## Generic

Generic properties contains the minimum properties required to create a Command :

- **Name**
  - the name of the Command
  - this field is **required**
- **Command**
  - the plugin configuration
  - the value is a text field, defining the plugin syntax (see example in Overview)



## Advanced

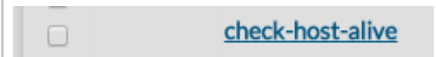
Advanced properties are used to define Advanced features like :

- **Monitored from**
  - the poller tag that the command should run on
- **Module Type**
  - the poller module the command should run in the poller daemon

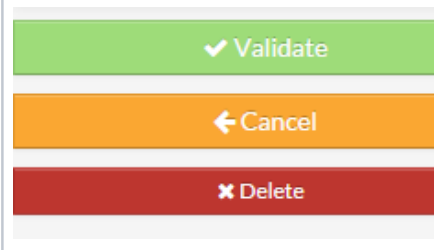
Command >	check-host-alive
Generic*	Property
	Monitored from
Advanced	Module type

## Modify a command

To modify properties of a command, first go on the Commands page, from the Main menu, then click on the command name you want to modify.



The form displayed is the same as the form used to create a new Command.  
All fields are filled with Command properties.



Once changes have been made, configuration of the Command must be saved by clicking the Validate button available on the left menu. Cancel button

## Delete a command

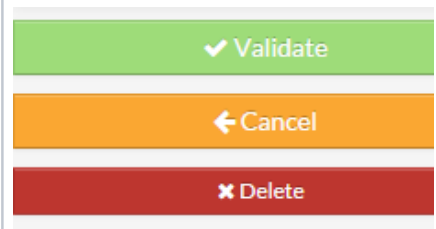
To delete a command, you can use the form of the command, or delete it directly from the list page.

### From the Form page

First go to the Commands page, from the Main menu, then click on the command name you want to delete.

Once in the page displaying the form, click on the Delete button available on the left menu.

A confirmation popup will be displayed.



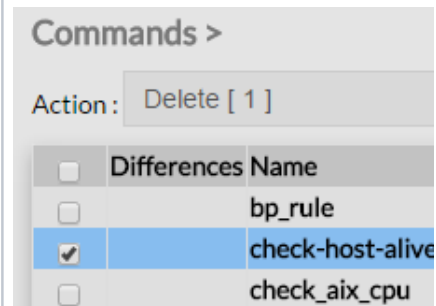
### From the Main page

First go to the Commands page, from the Main menu, then click on the check box placed on the first column of the table.

Use the **Action** menu on the top to select **Delete**, and click to the **Launch Button**.

A confirmation popup will be displayed.

Using the Main page gives Administrators ability to **Delete** many Commands at once.



## Duplicate a command

Duplication operation is very useful when similar Commands must be added.

To duplicate a command, first go on the Main page listing all commands, then select a command by clicking on the check box placed on the first column.

Once selected, the command can be duplicated by selecting **Duplicate** in the select **Action** of the tool bar.

Duplication is executed by clicking the **Launch** button.

The screenshot shows a 'Commands' toolbar with an 'Action' dropdown set to 'Duplicate [ 1 ]'. Below the toolbar is a table with columns 'Differences' and 'Name'. The 'check-host-alive' row is selected, indicated by a checked checkbox and a blue background.

<input type="checkbox"/>	Differences	Name
<input type="checkbox"/>		bp_rule
<input checked="" type="checkbox"/>		check-host-alive
<input type="checkbox"/>		check_aix_cpu

The name of command duplicated is suffixed by "**(copy)**"

The screenshot shows the 'Commands' toolbar with the 'Action' dropdown set to 'Duplicate [ 1 ]'. The table below shows the 'check-host-alive' command duplicated, with its name now including '(copy)'.

<input type="checkbox"/>	Differences	Name
<input type="checkbox"/>		bp_rule
<input type="checkbox"/>		check-host-alive
<input type="checkbox"/>		check-host-alive
<input type="checkbox"/>		check_aix_cpu

Using the Main page gives Administrators ability to **Duplicate** many Commands at once.

All properties are kept when duplicating operation, as well as data.



*Duplicated commands are totally detached and independent of the cloned command.*

*No relation is made in the configuration.*