

# Create a Host

## How

To create a new Host, use the button "Add new [Host]" located in the Action Menu. Host creation form (empty) will be replaced in the list of host.

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

- Generic
- Data
- Monitoring
- Checks
- Notifications
- Advanced

The image shows two parts of the interface. On the left is a dialog box titled '+ Add new [Host]'. It contains a section 'Detected by Automatic Modules' with a 'No new element' button and an 'Accept selected differences' button. A blue arrow points from this dialog to the right-hand part of the image, which is the 'Host >' configuration form. This form has a left-hand menu with tabs: Generic (selected), Data, Monitoring, Checks [0], Notifications, and Advanced. The main area of the form is a table with columns 'Property', 'Value', and 'From Templates'. The 'Generic' tab is active, showing fields for Name, Description (with a placeholder '[ From Name ]'), Address, Host Templates to inherit, Add in Hostgroups (with a dropdown menu), Realm (with a dropdown menu set to 'All [default]'), Priority (with a dropdown menu set to '2 [default]'), Network parents (with a dropdown menu), and Enabled (with radio buttons for 'True [default]', 'False', and a green 'Inherit from template' button).

The left menu give to Administrators the ability to :

- Validate the new host
- Cancel the action
- Delete the host

The image shows two parts of the interface. On the left is an action menu with three buttons: 'Validate' (green), 'Cancel' (orange), and 'Delete' (red). A blue arrow points from this menu to the right-hand part of the image, which is the 'Host >' configuration form. This form is identical to the one shown in the previous image, but the 'Generic' tab is selected in the left-hand menu.

For each category, a corresponding form is displayed.

## Generic tab

Generic properties contains the most common properties of a Host:

- **Name**
  - the name of the Host
  - this field is **required**
- **Description**
  - extended description, displayed in Host Widget
  - Name is used if nothing is filled
- **Address**
  - address used to join the host on the network
  - can be an IP Address, or a resolvable hostname (Short or FQDN)
- **Host Templates to inherit**
  - list of templates the new host should inherit from
  - templates name are suggested when starting to fill the field
- **Add in Hostgroups**
  - a list of available Hostgroups the new host should be in
  - more than one hostgroup can be selected
- **Realm**
  - realm from which the host should be monitored
  - only one choice can be made
- **Priority**
  - the priority is a feature used to show the criticality level of hosts taking value from 1 to 6
  - there is no impact on check method or notifications
  - by default, level of Host Template is used

Host > webserv		Value	From Templates
Generic*	<b>Property</b>		
	Name *	webserv	
Data	Description	[ In template generic-host ]	[ In template generic-host ]
Monitoring	Address	1.2.3.4	[ In template generic-host ]
Checks [ 3 ]	Host Templates to inherit	generic-host x http [ 1 checks ] x	
Notifications			
Advanced	Add in Hostgroups	Add [production] x	[ In template generic-host ]
	Realm	All [default]	[ In template generic-host ]
	Priority	[ In template generic-hc	[ In template generic-host ]
	Network parents	Add [newewone] x	[ In template generic-host ]
	Enabled	True [default] False <b>Inherit from template</b>	False [ In template generic-host ]

- **Networks parents**
  - this field is used to determine hosts located between poller and the new Host
  - filling this property helps in problem resolution, and in impact calculation
- **Enabled**
  - this property determines if the host will be used or not by Shinken
  - a disabled host is still present in configuration, but is not scheduled, and is not visible on the WebUI
  - by default, the value is inherited by the template

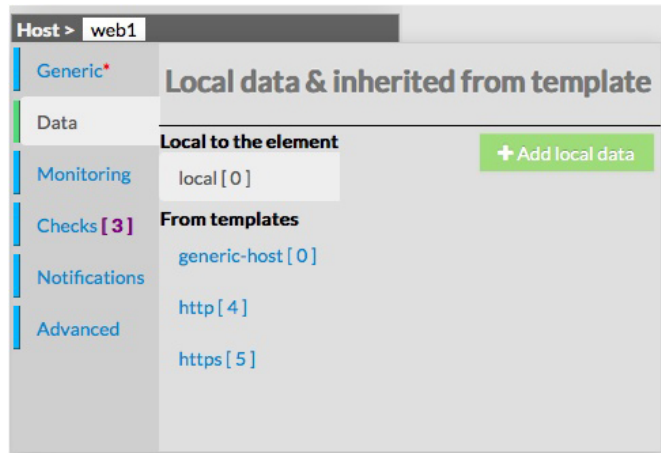
## Data

Data is used to show and create variables used by Shinken Enterprise to perform checks.

Those values are also called **Macros**.

As shown on the picture, when creating a new host, no data are available, even if the new host inherit from Template.

To see data that will be applied to host, it is necessary to first validate this host, and come-back to its configuration.



Data are displayed in two sections :

- Local : data for this host only (custom data)
- From Templates : data inherited from one or more templates

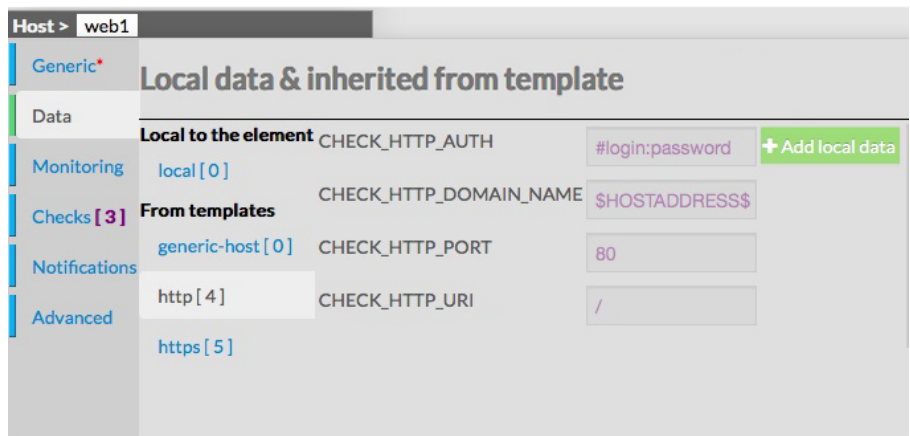
Data from templates are separated by template names.

This allow Administrators to see what and where data have been get.

Data are represented by a **Key** and a **Value**.

*When data are **local**, both of them can be modified.*

*When data are **inherited**, only values can be modified.*



## Monitoring

This form is used to configure properties that define monitoring for the host itself.

Monitoring is defined by the following properties :

- **Check Period**
  - defines the period on which host will be checked
  - field is a list of values, corresponding to timeperiods defined in [Time Periods](#)
  - value is taken from templates if any, or default value is filled
- **Check Command**
  - defines the short name of the command used to check if the host is available
  - field is a list of choices, defined by the [Commands](#) configuration
  - value is taken from templates if any, or default value is filled
  - **Args:**
    - used to pass arguments to the Check Command
    - by default this value is empty
- **Max Check Attempts**
  - defines the number of failed check attempt before declaring the host as down
  - value is taken from templates if any, or default value is filled
- **Check Interval**
  - defines the number of minutes between two check of the host
  - value is taken from templates if any, or default value is filled
- **Retry Interval**
  - defines the number of minutes before scheduling a re-check if the last one returned a non-UP state.
  - value is taken from templates if any, or default value is filled

Host > web1		Property	Value	From Templates
Generic*		Check Period	24x7 [default]	24x7 [ In template generic-host ]
Data		Check Command	check-host-alive (ping) [default] Args	check_host_alive [ In template generic-host ]
Monitoring		Max Check Attempts	2 [ In template generic-host ]	2 [ In template generic-host ]
Checks [ 3 ]		Check Interval (*1min)	1 [ In template generic-host ]	1 [ In template generic-host ]
Notifications		Retry Interval (*1min)	1 [ In template generic-host ]	1 [ In template generic-host ]
Advanced		Active Checks Enabled	True [default] False <b>Inherit from template</b>	True [ In template generic-host ]
		Passive Checks Enabled	True [default] False <b>Inherit from template</b>	False [ In template generic-host ]
		Maintenance Period	(none) [default]	[ In template generic-host ]

- **Active Checks Enabled**
  - defines if scheduled check will be enabled or not for this host
  - value is taken from templates if any, or default value is filled
- **Passive Checks Enabled**
  - defines if passive check will be enabled or not for this host
  - value is taken from templates if any, or default value is filled
- **Maintenance Period**
  - defines a recurring downtime for the host. During the selected period, no notifications are sent
  - value is taken from the list of [Time Periods](#)
  - value is none per default, which means no downtime for the host

## Checks

Checks is a read-only form, used to provide informations about checks that will be made for the host.

By default, if no template applies on host, no check will be made.

Host > web2	
Generic*	
Data	
Monitoring	
Checks [ 0 ]	
Notifications	
Advanced	

If the host inherits from a template which has checks attached, checks will be filled with the description of those services.

In this example, we can see 3 checks, inherited from *http* template, and *https* template. Checks are displayed in tables, showing the following :

- Name of the Check
- Contacts Groups for the Check
- Host templates using the Check
- Check Command used
- A "Try this check" action, allowing to try the check before validating

Name of check is a link to the check configuration of the selected object.

From http [ 1 checks ]				
Name	Contacts Groups	Host Templates	Command	Try this check
<a href="#">Http</a>	[Same as host]	http	check_http	<a href="#">▶</a>

From https [ 2 checks ]				
Name	Contacts Groups	Host Templates	Command	Try this check
<a href="#">Https</a>	[Same as host]	https	check_https	<a href="#">▶</a>
<a href="#">HttpsCertificate</a>	[Same as host]	https	check_https_certificate	<a href="#">▶</a>

## Notifications

Notification is a form displaying all required fields to configure notifications properties :

- **Notification Enabled**
  - used to enable or disable notifications for the host
  - value is taken from templates if any, or enabled by default
- **Contacts**
  - multi-value field, used to define contacts to notify
  - values are taken from [Contact Configuration](#), displayed as a list of name
  - value is taken from templates if any, or none by default
- **Contact Groups**
  - multi-value field, used to define contact groups to notify
  - values are taken from [Contact Group Configuration](#), displayed as a list of name
  - value is taken from templates if any, or none by default
- **Notification Interval**
  - used to set the number of minutes before re-notifying contacts
  - value is taken from templates if any, or default value is provided
- **Notification Period**
  - directive used to specify the time period during notifications will be sent
  - list of value corresponds to [Time Periods](#) defined
  - value is taken from templates if any, or default value is provided
- **Notification Options**
  - list of flags, used to determine what state should generate a notification
  - field is a list of values separated by a comma :
    - **d** : down
    - **u** : unreachable
    - **r** : recovery
    - **f** : flapping
    - **s** : scheduled downtime
    - **n** : none
  - list of value is taken from templates if any, or default value is provided (d,u,r, f)

Property	Value	From Templates
Notification Enabled	True [default] False <b>Inherit from template</b>	True [ In template generic-host ]
Contacts	Add ▼	[ In template generic-host ]
Contact groups	Add ▼	[ In template generic-host ] admins users
Notification Interval (*1min)	1440 [ In template generic-host ]	1440 [ In template generic-host ]
Notification Period	24x7 [default] ▼	24x7 [ In template generic-host ]
Notification Options	d,u,r,f [ In tem]	d,u,r,f [ In template generic-host ]
First notification delay	[ In template ]	[ In template generic-host ]
Escalations	Add ▼	[ In template generic-host ]

- **First notification delay**
  - number of minutes, used to set the delay before sending a notification
  - if 0 is provided, notifications are sent immediately for the host
  - value is taken from templates if any, or default value is provided
- **Escalations**
  - multi values field, used to set escalations object on the host
  - list of values is taken from [Escalation Configuration](#)
  - value is taken from templates if any, or default value is provided

## Advanced

Advanced form is used to set advanced features of monitoring.

- **Poller Tag**
  - this field provides a list of Pollers configured (see [Define new pollers](#))
  - only one value can be provided
  - value is taken from templates if any, or default value is provided
- **Process Perf Data**
  - used to enable or disable the Perf Data Process for the host
  - value is taken from templates if any, or default value is provided
- **Flap Detection Enabled**
  - used to enable or disable the flap detection for the host
  - value is taken from templates if any, or default value is provided
- **Flapping Options**
  - used to determine what host states should be used to detect flapping
  - value is a list of comma separated flags, making a combination of following values :
    - **o** : UP
    - **d** : DOWN
    - **u** : UNREACHABLE
  - value is taken from templates if any, or default value is provided
- **Low Flap**
  - percentage used to determine the low state threshold for the flap detection calculation
  - value is set using an horizontal cursor
  - if value of 0 is provided, the global threshold will be used
  - default value is 0
- **High Flap**
  - percentage used to determine the high state threshold for the flap detection calculation
  - value is set using an horizontal cursor
  - if value of 0 is provided, the global threshold will be used
  - default value is 0
- **Automatic Event Handler**
  - value used to determine if event handler is enabled or disabled
  - value is taken from templates if any, or default value is provided
- **Event Handler command**
  - used to set the command that should be run when a change of state is detected
  - field is a list of [Commands](#) configured
  - Args can be provided to the selected command
  - value is taken from templates if any, or default value is provided

Host > web1		Property	Value	From Templates
Generic*		Poller Tag	<input type="text"/>	[ In template generic-host ]
Data		Process Perf Data	True [default] False <input type="checkbox"/> Inherit from template	True [ In template generic-host ]
Monitoring		Flap Detection Enabled	True [default] False <input type="checkbox"/> Inherit from template	True [ In template generic-host ]
Checks [ 3 ]		Flapping options	[ In template generic-host ]	[ In template generic-host ]
Notifications		Low Flap %	<input type="text"/> 0% Set	
		High Flap %	<input type="text"/> 0% Set	
Advanced		Automatic event Handler Enabled	True False [default] <input type="checkbox"/> Inherit from template	False [ In template generic-host ]
		Event Handler command	<input type="text"/> Args <input type="text"/>	[ In template generic-host ]
		Obsess Over Host	True False [default] <input type="checkbox"/> Inherit from template	False [ In template generic-host ]
		Check Freshness	True False [default] <input type="checkbox"/> Inherit from template	False [ In template generic-host ]
		Freshness Threshold (s)	[ In template generic-host ]	[ In template generic-host ]
		Business impact modulations	Add <input type="text"/>	[ In template generic-host ]
		Macro Modulations	Add <input type="text"/>	[ In template generic-host ]

- **Check Freshness**
  - used to determine if freshness must be enabled or disabled
  - value is taken from templates if any, or default value is provided
- **Freshness Threshold**
  - used to set the freshness threshold, in seconds
  - if 0 is provide das value, Shinken will try to set it automatically
  - value is taken from templates if any, or default value is provided
- **Business impact modulations**
  - used to set modulation using [Business Impact Modulation](#) objects
  - the field is a list of [Business Impact Modulation](#) objects
  - value is taken from templates if any, or default value is provided
- **Macro modulations**
  - used to set a modulation of macro values, giving possibility to set different threshold based on time period
  - the field is a list of [Data Modulation](#)
  - value is taken from templates if any, or default value is provided
- **Checks to exclude**
  - used to exclude some automatically generated checks (like on the host templates) for this host
  - the field is a comma separated list of Checks
  - value is taken from templates if any, or default value is provided