

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]' with a blue arrow pointing to the 'Host >' tab in the main form. The dialog contains the text 'Detected by Automatic Modules', a button 'No new element', and a button 'Accept selected differences'. The main form is titled 'Host >' and has a sidebar with tabs: 'Generic', 'Data', 'Monitoring', 'Checks [0]', 'Notifications', and 'Advanced'. The 'Generic' tab is active, showing a table with columns 'Property', 'Value', and 'From Templates'. The table contains the following rows:

Property	Value	From Templates
Name *	<input type="text"/>	
Description	[From Name]	
Address	<input type="text"/>	
Host Templates to inherit	<input type="text"/>	
Add in Hostgroups	Ad <input type="button" value="v"/>	
Realm	All [default] <input type="button" value="v"/>	
Priority	2 [default]	
Network parents	Ad <input type="button" value="v"/>	
Enabled	True [default] False <input type="button" value="Inherit from template"/>	

The left menu give to Administrators the ability to :

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

For each category, a corresponding form is displayed.

The image shows the 'Host >' configuration form with a sidebar menu on the left. The sidebar menu has four buttons: 'Validate' (green), 'Cancel' (orange), 'Delete' (red), and an empty button. The main form is the same as in the previous screenshot, showing the 'Generic' tab.

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 > webservers		Property	Value	From Templates
Generic*	Name*		webservers	
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	Add in Hostgroups		Add production x	[In template generic-host]
Advanced	Realm		All [default]	[In template generic-host]
	Priority		[In template generic-hc	[In template generic-host]
	Network parents		Add newnewone x	[In template generic-host]
	Enabled		True [default] False Inherit from template	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

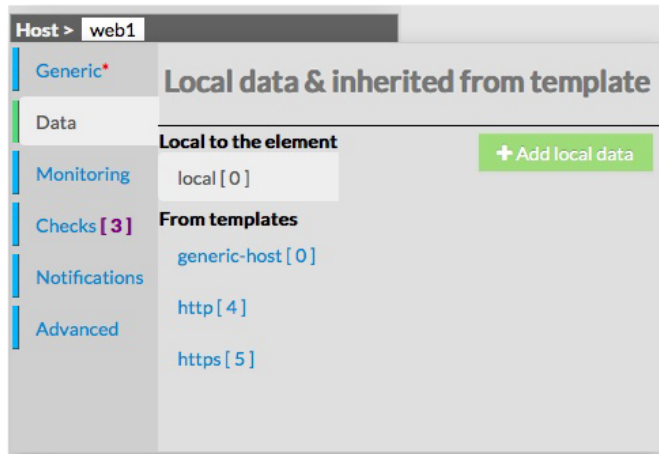
Data

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

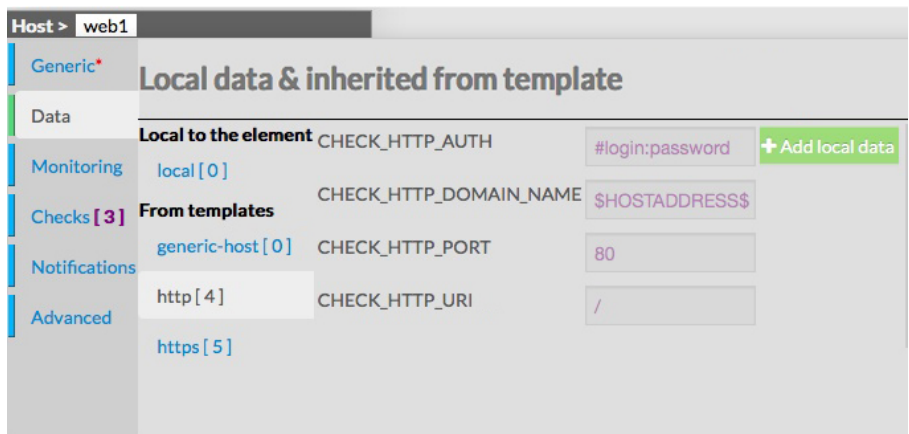
Data from templates are separated by template names.

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 Inherit from template	True [In template generic-host]
		Passive Checks Enabled	True [default] False Inherit from template	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.

The screenshot shows the Nagios web interface for host 'web1'. It displays two tables of checks inherited from templates. The first table, 'From http [1 checks]', lists the 'Http' check with contacts '[Same as host]', host template 'http', and command 'check_http'. The second table, 'From https [2 checks]', lists 'Https' and 'HttpsCertificate' checks with the same contacts and host template 'https', and commands 'check_https' and 'check_https_certificate' respectively. Each check has a 'Try this check' button.

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)

The screenshot shows the Nagios web interface for host 'web1' in the 'Notifications' section. It displays a table of properties and their values, with a 'From Templates' column. The 'Notification Enabled' property is set to 'True [default]' with a 'False' button and an 'Inherit from template' button. The 'Contacts' and 'Contact groups' properties have 'Add' buttons. The 'Notification Interval (*1min)' is set to '1440 [In template generic-host]'. The 'Notification Period' is set to '24x7 [default]'. The 'Notification Options' are set to 'd,u,r,f [In template generic-host]'. The 'First notification delay' is set to '[In template generic-host]'. The 'Escalations' property has an 'Add' button.

- **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	[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	<input type="text"/> Add	[In template generic-host]
	Macro Modulations	<input type="text"/> Add	[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