

The content of this page is yet to be completely updated for 2.0.

1 Configuring a network map

Overview

Configuring a map in Zabbix requires that you first create a map by defining its general parameters and then you start filling the actual map with elements and their links.

You can populate the map with elements that are a host, a host group, a trigger, an image or another map.

Icons are used to represent map elements. You can define the information that will be displayed with the icons and set that recent problems are displayed in a special way. You can link the icons and define information to be displayed on the links.

Maps that are ready can be viewed in *Monitoring* → *Maps*. In the monitoring view you can click on the icons and take advantage of the links to some scripts and URLs.

You can add custom URLs to be accessible by clicking on the icons. Thus you may link a host icon to host properties or a map icon to another map.

Creating a map

To create a map, do the following:

- Go to *Configuration* → *Maps*
- Click on *Create Map*
- Edit general map attributes



General map attributes:

Parameter	Description
<i>Name</i>	Unique map name.
<i>Width</i>	Map width in pixels.
<i>Height</i>	Map height in pixels.
<i>Background image</i>	Use background image: No image - no background image (white background) Image - selected image to be used as a background image. No scaling is performed. You may use a geographical map or any other image to enhance your map.
<i>Icon highlighting</i>	If you check this box, icons will receive highlighting. If the element has an active trigger, it will receive a round background, having the same colour as the highest severity trigger. If element status is "disabled" or "in maintenance", square background will be used.
<i>Mark elements on trigger status change</i>	A recent change of trigger status (recent problem) will be highlighted with markers on the three sides of the element icon that are free of the label.

Parameter	Description
<i>Expand single problem</i>	If a map element (host, host group or another map) has one single problem, this option controls whether the problem (trigger) name is displayed, or problem count. If marked, problem name is used.
<i>Icon label type</i>	Label type used for icons: Label - icon label IP address - IP address Element name - element name (for example, host name) Status only - status only (OK or PROBLEM) Nothing - no labels are displayed
<i>Icon label location</i>	Label location in relation to the icon: Bottom - beneath the icon Left - to the left Right - to the right Top - above the icon
<i>Problem display</i>	Display problem count as: All - full problem count will be displayed Separated - unacknowledged problem count will be displayed separated as a number of the total problem count Unacknowledged only - only the unacknowledged problem count will be displayed
<i>Links</i>	URLs for each element type can be defined (with a label). These will be displayed as links when a user clicks on the element in the monitoring section. Macros that can be used in map URLs: {MAP.ID}, {HOSTGROUP.ID}, {HOST.ID}, {TRIGGER.ID}

When you save this, you have created an empty map with a name, dimensions and certain preferences. Now you need to add some elements. For that, click on the map name in the list to open the editable area.

Adding elements

To add an element, click on the “+” next to Icon. The new element will appear at the top left corner of the map. Drag and drop it wherever you like.

Note that with the Grid option “On”, elements will always align to the grid (you can pick various grid sizes from the dropdown, also hide/show the grid). If you want to put elements anywhere without alignment, turn the option to “Off”. (Random elements can later again be aligned to the grid with the *Align icons* button.)

Now that you have some elements in place, you may want to start differentiating them by giving names etc. By clicking on the element, a form is displayed and you can set the element type, give a name, choose a different icon etc.



Map element attributes:

Parameter	Description
Type	Type of the element: Host - icon representing status of all triggers of the selected host Map - icon representing status of all elements of a map Trigger - icon representing status of a single trigger Host group - icon representing status of all triggers of all hosts belonging to a group Image - an icon, not linked to any resource
Label	Icon label, any string. Macros and multi-line strings can be used in labels.
Label location	Label location: Default - Map's default label location Bottom - bottom (under the icon) Left - left side Right - right side Top - top of the icon
Host	Status of triggers for the selected host will be used.
Map	Status of all elements for the selected map will be used.
Trigger	Status of the selected trigger will be used.
Host group	Status of all triggers for the selected host group will be used.
Icon (default)	Icon to be used.
Use advanced icons	
Coordinate X	X coordinate for the map element.
Coordinate Y	Y coordinate for the map element.
Links	Element-specific URLs can be set for the element. These will be displayed as links when a user clicks on the element in the monitoring section. If the element has its own URLs and there are map level URLs for its type defined, they will be combined in the same menu. Macros that can be used in map URLs: {MAP.ID}, {HOSTGROUP.ID}, {HOST.ID}, {TRIGGER.ID}

Added elements are not automatically saved. If you navigate away from the page, all changes may be lost.

Therefore it is a good idea to click on the **Save** button in the top right corner. Once clicked, the changes are saved regardless of what you choose in the following popup.

Selected grid options are also saved with each map.

Selecting elements

To select elements, select one and then hold down *Ctrl* (or *Shift*) to select the others.

You can also select multiple elements by dragging a rectangle in the editable area and selecting all elements in it (starting with Zabbix 2.0).

Once you select more than one element, the element property form shifts to the mass-update mode so you can change attributes of selected elements in one go. To do so, mark the attribute using the checkbox and enter a new value for it. You may use macros here (such as, say, {HOSTNAME} for the element label).

Linking elements

Once you have put some elements on the map, it is time to start linking them. To link two elements you must first select them. With the elements selected, click on the “+” next to Link.

A form is displayed where you can probably see *Link1* in the Connectors block. Click on it and edit its attributes.



Map link attributes:

Parameter	Description
<i>Label</i>	Label that will be rendered on top of the link. You can use macros here.
<i>Element 1</i>	First element that link connects.
<i>Element 2</i>	Second element that link connects.
Link status indicators	List of triggers linked to the link. In case if a trigger has status PROBLEM, its style is applied to the link.
<i>Type (OK)</i>	Default link style: Line - single line Bold line - bold line Dot - dots Dashed line - dashed line
<i>Colour (OK)</i>	Default link colour.

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