

> Map object

The following objects are directly related to the map API.

Map

The map object has the following properties.

| Property | Type | Description |
|-----------------------------|---------|--|
| sysmapid | string | (<i>readonly</i>) ID of the map. |
| height (required) | integer | Height of the map in pixels. |
| name (required) | string | Name of the map. |
| width (required) | integer | Width of the map in pixels. |
| backgroundid | string | ID of the image used as the background for the map. |
| expand_macros | integer | Whether to expand macros in labels when configuring the map. Possible values: 0 - (<i>default</i>) do not expand macros; 1 - expand macros. |
| expandproblem | integer | Whether the the problem trigger will be displayed for elements with a single problem. Possible values: 0 - always display the number of problems; 1 - (<i>default</i>) display the problem trigger if there's only one problem. |
| grid_align | integer | Whether to enable grid aligning. Possible values: 0 - disable grid aligning; 1 - (<i>default</i>) enable grid aligning. |
| grid_show | integer | Whether to show the grid on the map. Possible values: 0 - do not show the grid; 1 - (<i>default</i>) show the grid. |
| grid_size | integer | Size of the map grid in pixels. Supported values: 20, 40, 50, 75 and 100. Default: 50. |
| highlight | integer | Whether icon highlighting is enabled. Possible values: 0 - highlighting disabled; 1 - (<i>default</i>) highlighting enabled. |
| iconmapid | string | ID of the icon map used on the map. |

| Property | Type | Description |
|------------------------|---------|--|
| label_format | integer | Whether to enable advanced labels. Possible values: 0 - (default) disable advanced labels; 1 - enable advanced labels. |
| label_location | integer | Location of the map element label. Possible values: 0 - (default) bottom; 1 - left; 2 - right; 3 - top. |
| label_string_host | string | Custom label for host elements. Required for maps with custom host label type. |
| label_string_hostgroup | string | Custom label for host group elements. Required for maps with custom host group label type. |
| label_string_image | string | Custom label for image elements. Required for maps with custom image label type. |
| label_string_map | string | Custom label for map elements. Required for maps with custom map label type. |
| label_string_trigger | string | Custom label for trigger elements. Required for maps with custom trigger label type. |
| label_type | integer | Map element label type. Possible values: 0 - label; 1 - IP address; 2 - (default) element name; 3 - status only; 4 - nothing. |
| label_type_host | integer | Label type for host elements. Possible values: 0 - label; 1 - IP address; 2 - (default) element name; 3 - status only; 4 - nothing; 5 - custom. |
| label_type_hostgroup | integer | Label type for host group elements. Possible values: 0 - label; 2 - (default) element name; 3 - status only; 4 - nothing; 5 - custom. |

| Property | Type | Description |
|--------------------|---------|---|
| label_type_image | integer | Label type for host group elements. Possible values: 0 - label; 2 - <i>(default)</i> element name; 4 - nothing; 5 - custom. |
| label_type_map | integer | Label type for map elements. Possible values: 0 - label; 2 - <i>(default)</i> element name; 3 - status only; 4 - nothing; 5 - custom. |
| label_type_trigger | integer | Label type for trigger elements. Possible values: 0 - label; 2 - <i>(default)</i> element name; 3 - status only; 4 - nothing; 5 - custom. |
| markelements | integer | Whether to highlight map elements that have recently changed their status. Possible values: 0 - <i>(default)</i> do not highlight elements; 1 - highlight elements. |
| severity_min | integer | Minimum severity of the triggers that will be displayed on the map. Refer to the trigger "severity" property for a list of supported trigger severities. |
| show_unack | integer | How problems should be displayed. Possible values: 0 - <i>(default)</i> display the count of all problems; 1 - display only the count of unacknowledged problems; 2 - display the count of acknowledged and unacknowledged problems separately. |

Map element

The map element object defines an object displayed on a map. It has the following properties.

| Property | Type | Description |
|--------------------------------|--------|--|
| selementid | string | <i>(readonly)</i> ID of the map element. |
| elementid (required) | string | ID of the object that the map element represents. Required for host, host group, trigger and map type elements. |

| Property | Type | Description |
|----------------------------------|---------|---|
| elementtype (required) | integer | Type of map element. Possible values: 0 - host; 1 - map; 2 - trigger; 3 - host group; 4 - image. |
| iconid_off (required) | string | ID of the image used to display the element in default state. |
| areatype | integer | How separate host group hosts should be displayed. Possible values: 0 - (<i>default</i>) the host group element will take up the whole map; 1 - the host group element will have a fixed size. |
| application | string | Name of the application to display problems from. Used only for host and host group map elements. |
| elementsubtype | integer | How a host group element should be displayed on a map. Possible values: 0 - (<i>default</i>) display the host group as a single element; 1 - display each host in the group separately. |
| height | integer | Height of the fixed size host group element in pixels. Default: 200. |
| iconid_disabled | string | ID of the image used to display disabled map elements. Unused for image elements. |
| iconid_maintenance | string | ID of the image used to display map elements in maintenance. Unused for image elements. |
| iconid_on | string | ID of the image used to display map elements with problems. Unused for image elements. |
| label | string | Label of the element. |
| label_location | integer | Location of the map element label. Possible values: -1 - (<i>default</i>) default location; 0 - bottom; 1 - left; 2 - right; 3 - top. |
| sysmapid | string | (<i>readonly</i>) ID of the map that the element belongs to. |
| urls | array | Map element URLs. The map element URL object is described in detail below . |
| use_iconmap | integer | Whether icon mapping must be used for host elements. Possible values: 0 - do not use icon mapping; 1 - (<i>default</i>) use icon mapping. |

| Property | Type | Description |
|----------|---------|---|
| viewtype | integer | Host group element placing algorithm. Possible values: 0 - <i>(default)</i> grid. |
| width | integer | Width of the fixed size host group element in pixels. Default: 200. |
| x | integer | X-coordinates of the element in pixels. Default: 0. |
| y | integer | Y-coordinates of the element in pixels. Default: 0. |

Map element URL

The map element URL object defines a clickable link that will be available for a specific map element. It has the following properties:

| Property | Type | Description |
|---------------------------|--------|--|
| sysmapelementurlid | string | <i>(readonly)</i> ID of the map element URL. |
| name (required) | string | Link caption. |
| url (required) | string | Link URL. |
| selementid | string | ID of the map element that the URL belongs to. |

Map link

The map link object defines a link between two map elements. It has the following properties.

| Property | Type | Description |
|----------------------------------|---------|---|
| linkid | string | <i>(readonly)</i> ID of the map link. |
| selementid1 (required) | string | ID of the first map element linked on one end. |
| selementid2 (required) | string | ID of the first map element linked on the other end. |
| color | string | Line color as a hexadecimal color code. Default: 000000. |
| drawtype | integer | Link line draw style. Possible values: 0 - <i>(default)</i> line; 2 - bold line; 3 - dotted line; 4 - dashed line. |
| label | string | Link label. |

| Property | Type | Description |
|--------------|--------|---|
| linktriggers | array | Map link triggers to use as link status indicators. The map link trigger object is described in detail below . |
| sysmapid | string | ID of the map the link belongs to. |

Map link trigger

The map link trigger object defines a map link status indicator based on the state of a trigger. It has the following properties:

| Property | Type | Description |
|--------------------------------|---------|---|
| linktriggerid | string | <i>(readonly)</i> ID of the map link trigger. |
| triggerid (required) | string | ID of the trigger used as a link indicator. |
| color | string | Indicator color as a hexadecimal color code. Default: DD0000. |
| drawtype | integer | Indicator draw style. Possible values: 0 - <i>(default)</i> line; 2 - bold line; 3 - dotted line; 4 - dashed line. |
| linkid | string | ID of the map link that the link trigger belongs to. |

Map URL

The map URL object defines a clickable link that will be available for all elements of a specific type on the map. It has the following properties:

| Property | Type | Description |
|---------------------------|---------|--|
| sysmapurlid | string | <i>(readonly)</i> ID of the map URL. |
| name (required) | string | Link caption. |
| url (required) | string | Link URL. |
| elementtype | integer | Type of map element for which the URL will be available. Refer to the map element "type" property for a list of supported types. Default: 0. |
| sysmapid | string | ID of the map that the URL belongs to. |

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