

# 1 Supported macros

## Overview

The table contains a complete list of macros supported by Zabbix.

To see all macros supported in a location (for example, in "map URL"), you may paste the location name into the search box at the bottom of your browser window (accessible by pressing CTRL+F) and do a search for *next*.

Macro	Supported in	Description
{ACTION.ID}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications and commands</li> <li>→ Discovery notifications</li> <li>→ Auto-registration notifications</li> <li>→ Internal notifications</li> <li>→ Problem update notifications</li> </ul>	<i>Numeric ID of the triggered action.</i> Supported since 2.2.0.
{ACTION.NAME}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications and commands</li> <li>→ Discovery notifications</li> <li>→ Auto-registration notifications</li> <li>→ Internal notifications</li> <li>→ Problem update notifications</li> </ul>	<i>Name of the triggered action.</i> Supported since 2.2.0.
{ALERT.MESSAGE}	→ Alert script parameters	<i>'Default message' value from action configuration.</i> Supported since 3.0.0.
{ALERT.SENDTO}	→ Alert script parameters	<i>'Send to' value from user media configuration.</i> Supported since 3.0.0.
{ALERT.SUBJECT}	→ Alert script parameters	<i>'Default subject' value from action configuration.</i> Supported since 3.0.0.

Macro	Supported in	Description
{DATE}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications and commands</li> <li>→ Discovery notifications</li> <li>→ Auto-registration notifications</li> <li>→ Internal notifications</li> <li>→ Problem update notifications</li> </ul>	<i>Current date in yyyy.mm.dd. format.</i>
{DISCOVERY.DEVICE.IPADDRESS}	<ul style="list-style-type: none"> <li>→ Discovery notifications</li> </ul>	<i>IP address of the discovered device. Available always, does not depend on host being added.</i>
{DISCOVERY.DEVICE.DNS}	<ul style="list-style-type: none"> <li>→ Discovery notifications</li> </ul>	<i>DNS name of the discovered device. Available always, does not depend on host being added.</i>
{DISCOVERY.DEVICE.STATUS}	<ul style="list-style-type: none"> <li>→ Discovery notifications</li> </ul>	<i>Status of the discovered device: can be either UP or DOWN.</i>
{DISCOVERY.DEVICE.UPTIME}	<ul style="list-style-type: none"> <li>→ Discovery notifications</li> </ul>	<i>Time since the last change of discovery status for a particular device. For example: 1h 29m. For devices with status DOWN, this is the period of their downtime.</i>
{DISCOVERY.RULE.NAME}	<ul style="list-style-type: none"> <li>→ Discovery notifications</li> </ul>	<i>Name of the discovery rule that discovered the presence or absence of the device or service.</i>
{DISCOVERY.SERVICE.NAME}	<ul style="list-style-type: none"> <li>→ Discovery notifications</li> </ul>	<i>Name of the service that was discovered. For example: HTTP.</i>
{DISCOVERY.SERVICE.PORT}	<ul style="list-style-type: none"> <li>→ Discovery notifications</li> </ul>	<i>Port of the service that was discovered. For example: 80.</i>
{DISCOVERY.SERVICE.STATUS}	<ul style="list-style-type: none"> <li>→ Discovery notifications</li> </ul>	<i>Status of the discovered service: can be either UP or DOWN.</i>
{DISCOVERY.SERVICE.UPTIME}	<ul style="list-style-type: none"> <li>→ Discovery notifications</li> </ul>	<i>Time since the last change of discovery status for a particular service. For example: 1h 29m. For services with status DOWN, this is the period of their downtime.</i>
{ESC.HISTORY}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications and commands</li> <li>→ Internal notifications</li> <li>→ Problem update notifications</li> </ul>	<i>Escalation history. Log of previously sent messages. Shows previously sent notifications, on which escalation step they were sent and their status (sent, in progress or failed).</i>
{EVENT.ACK.STATUS}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications and commands</li> <li>→ Problem update notifications</li> </ul>	<i>Acknowledgement status of the event (Yes/No).</i>

Macro	Supported in	Description
{EVENT.AGE}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications and commands</li> <li>→ Discovery notifications</li> <li>→ Auto-registration notifications</li> <li>→ Internal notifications</li> <li>→ Problem update notifications</li> </ul>	<i>Age of the event that triggered an action.</i> Useful in escalated messages.
{EVENT.DATE}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications and commands</li> <li>→ Discovery notifications</li> <li>→ Auto-registration notifications</li> <li>→ Internal notifications</li> <li>→ Problem update notifications</li> </ul>	<i>Date of the event that triggered an action.</i>
{EVENT.ID}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications and commands</li> <li>→ Discovery notifications</li> <li>→ Auto-registration notifications</li> <li>→ Internal notifications</li> <li>→ Problem update notifications</li> </ul>	<i>Numeric ID of the event that triggered an action.</i>
{EVENT.NAME}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications and commands</li> <li>→ Problem update notifications</li> </ul>	<i>Name of the problem/recovery event that triggered an action.</i> Supported since 4.0.0.
{EVENT.NSEVERITY}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications</li> <li>→ Problem update notifications</li> </ul>	<i>Numeric value of the event severity.</i> Possible values: 0 - Not classified, 1 - Information, 2 - Warning, 3 - Average, 4 - High, 5 - Disaster. Supported since 4.0.0.
{EVENT.RECOVERY.DATE}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications</li> <li>→ Internal notifications</li> <li>→ Problem update notifications</li> </ul>	<i>Date of the recovery event.</i> Can be used in <a href="#">recovery</a> messages only. Supported since 2.2.0.

Macro	Supported in	Description
{EVENT.RECOVERY.ID}	→ Trigger-based notifications → Internal notifications → Problem update notifications	<i>Numeric ID of the recovery event.</i> Can be used in <a href="#">recovery</a> messages only. Supported since 2.2.0.
{EVENT.RECOVERY.STATUS}	→ Trigger-based notifications → Internal notifications → Problem update notifications	<i>Verbal value of the recovery event.</i> Can be used in <a href="#">recovery</a> messages only. Supported since 2.2.0.
{EVENT.RECOVERY.TAGS}	→ Trigger-based notifications and commands → Problem update notifications	<i>A comma separated list of recovery event tags. Expanded to an empty string if no tags exist.</i> Supported since 3.2.0.
{EVENT.RECOVERY.TIME}	→ Trigger-based notifications → Internal notifications → Problem update notifications	<i>Time of the recovery event.</i> Can be used in <a href="#">recovery</a> messages only. Supported since 2.2.0.
{EVENT.RECOVERY.VALUE}	→ Trigger-based notifications → Internal notifications → Problem update notifications	<i>Numeric value of the recovery event.</i> Can be used in <a href="#">recovery</a> messages only. Supported since 2.2.0.
{EVENT.SEVERITY}	→ Trigger-based notifications → Problem update notifications	<i>Name of the event severity.</i> Supported since 4.0.0.
{EVENT.STATUS}	→ Trigger-based notifications and commands → Discovery notifications → Auto-registration notifications → Internal notifications → Problem update notifications	<i>Verbal value of the event that triggered an action.</i> Supported since 2.2.0.

Macro	Supported in	Description
{EVENT.TAGS}	→ Trigger-based notifications and commands → Problem update notifications	<i>A comma separated list of event tags.</i> Expanded to an empty string if no tags exist. Supported since 3.2.0.
{EVENT.TIME}	→ Trigger-based notifications and commands → Discovery notifications → Auto-registration notifications → Internal notifications → Problem update notifications	<i>Time of the event that triggered an action.</i>
{EVENT.UPDATE.ACTION}	→ Problem update notifications	<i>Human-readable name of the action(s) performed during <a href="#">problem update</a>.</i> Resolves to the following values: <i>acknowledged, commented, changed severity from (original severity) to (updated severity) and closed</i> (depending on how many actions are performed in one update). Supported since 4.0.0.
{EVENT.UPDATE.DATE}	→ Problem update notifications	<i>Date of problem update (acknowledgement, etc).</i> Deprecated name: {ACK.DATE}
{EVENT.UPDATE.HISTORY}	→ Trigger-based notifications and commands → Problem update notifications	<i>Log of problem updates (acknowledgements, etc).</i> Deprecated name: {EVENT.ACK.HISTORY}
{EVENT.UPDATE.MESSAGE}	→ Problem update notifications	<i>Problem update message.</i> Deprecated name: {ACK.MESSAGE}
{EVENT.UPDATE.TIME}	→ Problem update notifications	<i>Time of problem update (acknowledgement, etc).</i> Deprecated name: {ACK.TIME}
{EVENT.VALUE}	→ Trigger-based notifications and commands → Discovery notifications → Auto-registration notifications → Internal notifications → Problem update notifications	<i>Numeric value of the event that triggered an action (1 for problem, 0 for recovering).</i> Supported since 2.2.0.

Macro	Supported in	Description
<p>{HOST.CONN&lt;1-9&gt;}</p>	<ul style="list-style-type: none"> <li>→ Trigger-based notifications and commands</li> <li>→ Internal notifications</li> <li>→ Problem update notifications</li> <li>→ Global scripts (including confirmation text)</li> <li>→ Map element labels, map URL names and values</li> <li>→ Item key parameters<sup>1</sup></li> <li>→ Host interface IP/DNS</li> <li>→ Trapper item "Allowed hosts" field</li> <li>→ Database monitoring additional parameters</li> <li>→ SSH and Telnet scripts</li> <li>→ JMX item endpoint field</li> <li>→ Web monitoring<sup>4</sup></li> <li>→ Low-level discovery rule filter regular expressions</li> <li>→ URL field of dynamic URL dashboard widget/screen element</li> <li>→ Trigger names and descriptions</li> <li>→ Trigger URLs</li> <li>→ Tag names and values</li> <li>→ HTTP agent type item, item prototype and discovery rule fields: URL, Query fields, Request body, Headers, Proxy, SSL certificate file, SSL key file, Allowed hosts.</li> </ul>	<p><i>Host IP address or DNS name, depending on host settings<sup>2</sup>.</i></p> <p>Supported in trigger names since 2.0.0.</p>

Macro	Supported in	Description
{HOST.DESCRPTION<1-9>}	→ Trigger-based notifications and commands → Internal notifications → Problem update notifications → Map element labels	<i>Host description.</i> Supported since 2.4.0.

Macro	Supported in	Description
{HOST.DNS<1-9>}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications and commands</li> <li>→ Internal notifications</li> <li>→ Problem update notifications</li> <li>→ Global scripts (including confirmation text)</li> <li>→ Map element labels, map URL names and values</li> <li>→ Item key parameters<sup>1</sup></li> <li>→ Host interface IP/DNS</li> <li>→ Trapper item "Allowed hosts" field</li> <li>→ Database monitoring additional parameters</li> <li>→ SSH and Telnet scripts</li> <li>→ JMX item endpoint field</li> <li>→ Web monitoring<sup>4</sup></li> <li>→ Low-level discovery rule filter regular expressions</li> <li>→ URL field of dynamic URL dashboard widget/screen element</li> <li>→ Trigger names and descriptions</li> <li>→ Trigger URLs</li> <li>→ Tag names and values</li> <li>→ HTTP agent type item, item prototype and discovery rule fields: URL, Query fields, Request body, Headers, Proxy, SSL certificate file, SSL key file, Allowed hosts.</li> </ul>	<p><i>Host DNS name</i><sup>2</sup>. Supported in trigger names since 2.0.0.</p>



Macro	Supported in	Description
<p>{HOST.HOST&lt;1-9&gt;}</p>	<ul style="list-style-type: none"> <li>→ Trigger-based notifications and commands</li> <li>→ Auto registration notifications</li> <li>→ Internal notifications</li> <li>→ Problem update notifications</li> <li>→ Global scripts (including confirmation text)</li> <li>→ Item key parameters</li> <li>→ Map element labels, map URL names and values</li> <li>→ Host interface IP/DNS</li> <li>→ Trapper item "Allowed hosts" field</li> <li>→ Database monitoring additional parameters</li> <li>→ SSH and Telnet scripts</li> <li>→ JMX item endpoint field</li> <li>→ Web monitoring<sup>4</sup></li> <li>→ Low-level discovery rule filter regular expressions</li> <li>→ URL field of dynamic URL dashboard widget/screen element</li> <li>→ Trigger names and descriptions</li> <li>→ Trigger URLs</li> <li>→ Tag names and values</li> <li>→ HTTP agent type item, item prototype and discovery rule fields:</li> <li>URL, Query fields, Request body, Headers, Proxy, SSL certificate file, SSL key file, Allowed hosts.</li> </ul>	<p><i>Host name.</i>                  {HOSTNAME&lt;1-9&gt;} is deprecated.</p>

Macro	Supported in	Description
{HOST.ID<1-9>}	→ Map element labels, map URL names and values → URL field of dynamic URL dashboard widget/screen element → Trigger URLs → Tag names and values	<i>Host ID.</i>

Macro	Supported in	Description
<p>{HOST.IP&lt;1-9&gt;}</p>	<ul style="list-style-type: none"> <li>→ Trigger-based notifications and commands</li> <li>→ Auto registration notifications</li> <li>→ Internal notifications</li> <li>→ Problem update notifications</li> <li>→ Global scripts (including confirmation text)</li> <li>→ Map element labels, map URL names and values</li> <li>→ Item key parameters<sup>1</sup></li> <li>→ Host interface IP/DNS</li> <li>→ Trapper item "Allowed hosts" field</li> <li>→ Database monitoring additional parameters</li> <li>→ SSH and Telnet scripts</li> <li>→ JMX item endpoint field</li> <li>→ Web monitoring<sup>4</sup></li> <li>→ Low-level discovery rule filter regular expressions</li> <li>→ URL field of dynamic URL dashboard widget/screen element</li> <li>→ Trigger names and descriptions</li> <li>→ Trigger URLs</li> <li>→ Tag names and values</li> <li>→ HTTP agent type item, item prototype and discovery rule fields: URL, Query fields, Request body, Headers, Proxy, SSL certificate file, SSL key file, Allowed hosts.</li> </ul>	<p><i>Host IP address</i><sup>2</sup>. Supported since 2.0.0. {IPADDRESS&lt;1-9&gt;} is deprecated.</p>

Macro	Supported in	Description
{HOST.METADATA}	→ Auto registration notifications	<i>Host metadata.</i> Used only for active agent auto-registration. Supported since 2.2.0.

Macro	Supported in	Description
<p>{HOST.NAME&lt;1-9&gt;}</p>	<ul style="list-style-type: none"> <li>→ Trigger-based notifications and commands</li> <li>→ Auto registration notifications</li> <li>→ Problem update notifications</li> <li>→ Internal notifications</li> <li>→ Global scripts (including confirmation text)</li> <li>→ Map element labels, map URL names and values</li> <li>→ Item key parameters</li> <li>→ Host interface IP/DNS</li> <li>→ Trapper item "Allowed hosts" field</li> <li>→ Database monitoring additional parameters</li> <li>→ SSH and Telnet scripts</li> <li>→ Web monitoring<sup>4</sup></li> <li>→ Low-level discovery rule filter regular expressions</li> <li>→ URL field of dynamic URL dashboard widget/screen element</li> <li>→ Trigger names and descriptions</li> <li>→ Trigger URLs</li> <li>→ Tag names and values</li> <li>→ HTTP agent type item, item prototype and discovery rule fields:</li> <li>URL, Query fields, Request body, Headers, Proxy, SSL certificate file, SSL key file, Allowed hosts.</li> </ul>	<p><i>Visible host name.</i> Supported since 2.0.0.</p>

Macro	Supported in	Description
{HOST.PORT<1-9>}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications and commands</li> <li>→ Auto registration notifications</li> <li>→ Internal notifications</li> <li>→ Problem update notifications</li> <li>→ Trigger names and descriptions</li> <li>→ Trigger URLs</li> <li>→ JMX item endpoint field</li> <li>→ Tag names and values</li> </ul>	<p><i>Host (agent) port<sup>2</sup>.</i></p> <p>Supported in auto-registration since 2.0.0. Supported in trigger names, trigger descriptions, internal and trigger-based notifications since 2.2.2.</p>
{HOSTGROUP.ID}	<ul style="list-style-type: none"> <li>→ Map element labels, map URL names and values</li> </ul>	<p><i>Host group ID.</i></p>
{INVENTORY.ALIAS<1-9>}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications</li> <li>→ Internal notifications</li> <li>→ Problem update notifications</li> <li>→ Tag names and values</li> <li>→ Map element labels, map URL names and values</li> </ul>	<p><i>Alias field in host inventory.</i></p>
{INVENTORY.ASSET.TAG<1-9>}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications</li> <li>→ Internal notifications</li> <li>→ Problem update notifications</li> <li>→ Tag names and values</li> <li>→ Map element labels, map URL names and values</li> </ul>	<p><i>Asset tag field in host inventory.</i></p>

Macro	Supported in	Description
{INVENTORY.CHASSIS<1-9>}	→ Trigger-based notifications → Internal notifications → Problem update notifications → Tag names and values → Map element labels, map URL names and values	<i>Chassis field in host inventory.</i>
{INVENTORY.CONTACT<1-9>}	→ Trigger-based notifications → Internal notifications → Problem update notifications → Tag names and values → Map element labels, map URL names and values	<i>Contact field in host inventory.</i> {PROFILE . CONTACT<1 -9>} is deprecated.
{INVENTORY.CONTRACT.NUMBER<1-9>}	→ Trigger-based notifications → Internal notifications → Problem update notifications → Tag names and values → Map element labels, map URL names and values	<i>Contract number field in host inventory.</i>
{INVENTORY.DEPLOYMENT.STATUS<1-9>}	→ Trigger-based notifications → Internal notifications → Problem update notifications → Tag names and values → Map element labels, map URL names and values	<i>Deployment status field in host inventory.</i>

Macro	Supported in	Description
{INVENTORY.HARDWARE<1-9>}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications</li> <li>→ Internal notifications</li> <li>→ Problem update notifications</li> <li>→ Tag names and values</li> <li>→ Map element labels, map URL names and values</li> </ul>	<i>Hardware field in host inventory. {PROFILE.HARDWARE&lt;1-9&gt;} is deprecated.</i>
{INVENTORY.HARDWARE.FULL<1-9>}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications</li> <li>→ Internal notifications</li> <li>→ Problem update notifications</li> <li>→ Tag names and values</li> <li>→ Map element labels, map URL names and values</li> </ul>	<i>Hardware (Full details) field in host inventory.</i>
{INVENTORY.HOST.NETMASK<1-9>}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications</li> <li>→ Internal notifications</li> <li>→ Problem update notifications</li> <li>→ Tag names and values</li> <li>→ Map element labels, map URL names and values</li> </ul>	<i>Host subnet mask field in host inventory.</i>
{INVENTORY.HOST.NETWORKS<1-9>}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications</li> <li>→ Internal notifications</li> <li>→ Problem update notifications</li> <li>→ Tag names and values</li> <li>→ Map element labels, map URL names and values</li> </ul>	<i>Host networks field in host inventory.</i>



Macro	Supported in	Description
{INVENTORY.HOST.ROUTER<1-9>}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications</li> <li>→ Internal notifications</li> <li>→ Problem update notifications</li> <li>→ Tag names and values</li> <li>→ Map element labels, map URL names and values</li> </ul>	<i>Host router field in host inventory.</i>
{INVENTORY.HW.ARCH<1-9>}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications</li> <li>→ Internal notifications</li> <li>→ Problem update notifications</li> <li>→ Tag names and values</li> <li>→ Map element labels, map URL names and values</li> </ul>	<i>Hardware architecture field in host inventory.</i>
{INVENTORY.HW.DATE.DECOMM<1-9>}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications</li> <li>→ Internal notifications</li> <li>→ Problem update notifications</li> <li>→ Tag names and values</li> <li>→ Map element labels, map URL names and values</li> </ul>	<i>Date hardware decommissioned field in host inventory.</i>
{INVENTORY.HW.DATE.EXPIRY<1-9>}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications</li> <li>→ Internal notifications</li> <li>→ Problem update notifications</li> <li>→ Tag names and values</li> <li>→ Map element labels, map URL names and values</li> </ul>	<i>Date hardware maintenance expires field in host inventory.</i>

Macro	Supported in	Description
{INVENTORY.HW.DATE.INSTALL<1-9>}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications</li> <li>→ Internal notifications</li> <li>→ Problem update notifications</li> <li>→ Tag names and values</li> <li>→ Map element labels, map URL names and values</li> </ul>	<i>Date hardware installed field in host inventory.</i>
{INVENTORY.HW.DATE.PURCHASE<1-9>}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications</li> <li>→ Internal notifications</li> <li>→ Problem update notifications</li> <li>→ Tag names and values</li> <li>→ Map element labels, map URL names and values</li> </ul>	<i>Date hardware purchased field in host inventory.</i>
{INVENTORY.INSTALLER.NAME<1-9>}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications</li> <li>→ Internal notifications</li> <li>→ Problem update notifications</li> <li>→ Tag names and values</li> <li>→ Map element labels, map URL names and values</li> </ul>	<i>Installer name field in host inventory.</i>
{INVENTORY.LOCATION<1-9>}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications</li> <li>→ Internal notifications</li> <li>→ Problem update notifications</li> <li>→ Tag names and values</li> <li>→ Map element labels, map URL names and values</li> </ul>	<i>Location field in host inventory. {PROFILE.LOCATION&lt;1-9&gt;} is deprecated.</i>

Macro	Supported in	Description
{INVENTORY.LOCATION.LAT<1-9>}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications</li> <li>→ Internal notifications</li> <li>→ Problem update notifications</li> <li>→ Tag names and values</li> <li>→ Map element labels, map URL names and values</li> </ul>	<i>Location latitude field in host inventory.</i>
{INVENTORY.LOCATION.LON<1-9>}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications</li> <li>→ Internal notifications</li> <li>→ Problem update notifications</li> <li>→ Tag names and values</li> <li>→ Map element labels, map URL names and values</li> </ul>	<i>Location longitude field in host inventory.</i>
{INVENTORY.MACADDRESS.A<1-9>}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications</li> <li>→ Internal notifications</li> <li>→ Problem update notifications</li> <li>→ Tag names and values</li> <li>→ Map element labels, map URL names and values</li> </ul>	<i>MAC address A field in host inventory. {PROFILE.MACADDRESS&lt;1-9&gt;} is deprecated.</i>
{INVENTORY.MACADDRESS.B<1-9>}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications</li> <li>→ Internal notifications</li> <li>→ Problem update notifications</li> <li>→ Tag names and values</li> <li>→ Map element labels, map URL names and values</li> </ul>	<i>MAC address B field in host inventory.</i>

Macro	Supported in	Description
{INVENTORY.MODEL<1-9>}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications</li> <li>→ Internal notifications</li> <li>→ Problem update notifications</li> <li>→ Tag names and values</li> <li>→ Map element labels, map URL names and values</li> </ul>	<i>Model field in host inventory.</i>
{INVENTORY.NAME<1-9>}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications</li> <li>→ Internal notifications</li> <li>→ Problem update notifications</li> <li>→ Tag names and values</li> <li>→ Map element labels, map URL names and values</li> </ul>	<i>Name field in host inventory.</i> {PROFILE.NAME<1-9>} is deprecated.
{INVENTORY.NOTES<1-9>}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications</li> <li>→ Internal notifications</li> <li>→ Problem update notifications</li> <li>→ Tag names and values</li> <li>→ Map element labels, map URL names and values</li> </ul>	<i>Notes field in host inventory.</i> {PROFILE.NOTES<1-9>} is deprecated.
{INVENTORY.OOB.IP<1-9>}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications</li> <li>→ Internal notifications</li> <li>→ Problem update notifications</li> <li>→ Tag names and values</li> <li>→ Map element labels, map URL names and values</li> </ul>	<i>OOB IP address field in host inventory.</i>

Macro	Supported in	Description
{INVENTORY.OOB.NETMASK<1-9>}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications</li> <li>→ Internal notifications</li> <li>→ Problem update notifications</li> <li>→ Tag names and values</li> <li>→ Map element labels, map URL names and values</li> </ul>	<i>OOB subnet mask field in host inventory.</i>
{INVENTORY.OOB.ROUTER<1-9>}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications</li> <li>→ Internal notifications</li> <li>→ Problem update notifications</li> <li>→ Tag names and values</li> <li>→ Map element labels, map URL names and values</li> </ul>	<i>OOB router field in host inventory.</i>
{INVENTORY.OS<1-9>}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications</li> <li>→ Internal notifications</li> <li>→ Problem update notifications</li> <li>→ Tag names and values</li> <li>→ Map element labels, map URL names and values</li> </ul>	<i>OS field in host inventory.</i> {PROFILE.OS<1-9>} is deprecated.
{INVENTORY.OS.FULL<1-9>}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications</li> <li>→ Internal notifications</li> <li>→ Problem update notifications</li> <li>→ Tag names and values</li> <li>→ Map element labels, map URL names and values</li> </ul>	<i>OS (Full details) field in host inventory.</i>

Macro	Supported in	Description
{INVENTORY.OS.SHORT<1-9>}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications</li> <li>→ Internal notifications</li> <li>→ Problem update notifications</li> <li>→ Tag names and values</li> <li>→ Map element labels, map URL names and values</li> </ul>	<i>OS (Short) field in host inventory.</i>
{INVENTORY.POC.PRIMARY.CELL<1-9>}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications</li> <li>→ Internal notifications</li> <li>→ Problem update notifications</li> <li>→ Tag names and values</li> <li>→ Map element labels, map URL names and values</li> </ul>	<i>Primary POC cell field in host inventory.</i>
{INVENTORY.POC.PRIMARY.EMAIL<1-9>}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications</li> <li>→ Internal notifications</li> <li>→ Problem update notifications</li> <li>→ Tag names and values</li> <li>→ Map element labels, map URL names and values</li> </ul>	<i>Primary POC email field in host inventory.</i>
{INVENTORY.POC.PRIMARY.NAME<1-9>}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications</li> <li>→ Internal notifications</li> <li>→ Problem update notifications</li> <li>→ Tag names and values</li> <li>→ Map element labels, map URL names and values</li> </ul>	<i>Primary POC name field in host inventory.</i>

Macro	Supported in	Description
{INVENTORY.POC.PRIMARY.NOTES<1-9>}	→ Trigger-based notifications → Internal notifications → Problem update notifications → Tag names and values → Map element labels, map URL names and values	<i>Primary POC notes field in host inventory.</i>
{INVENTORY.POC.PRIMARY.PHONE.A<1-9>}	→ Trigger-based notifications → Internal notifications → Problem update notifications → Tag names and values → Map element labels, map URL names and values	<i>Primary POC phone A field in host inventory.</i>
{INVENTORY.POC.PRIMARY.PHONE.B<1-9>}	→ Trigger-based notifications → Internal notifications → Problem update notifications → Tag names and values → Map element labels, map URL names and values	<i>Primary POC phone B field in host inventory.</i>
{INVENTORY.POC.PRIMARY.SCREEN<1-9>}	→ Trigger-based notifications → Internal notifications → Problem update notifications → Tag names and values → Map element labels, map URL names and values	<i>Primary POC screen name field in host inventory.</i>

Macro	Supported in	Description
{INVENTORY.POC.SECONDARY.CELL<1-9>}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications</li> <li>→ Internal notifications</li> <li>→ Problem update notifications</li> <li>→ Tag names and values</li> <li>→ Map element labels, map URL names and values</li> </ul>	<i>Secondary POC cell field in host inventory.</i>
{INVENTORY.POC.SECONDARY.EMAIL<1-9>}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications</li> <li>→ Internal notifications</li> <li>→ Problem update notifications</li> <li>→ Tag names and values</li> <li>→ Map element labels, map URL names and values</li> </ul>	<i>Secondary POC email field in host inventory.</i>
{INVENTORY.POC.SECONDARY.NAME<1-9>}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications</li> <li>→ Internal notifications</li> <li>→ Problem update notifications</li> <li>→ Tag names and values</li> <li>→ Map element labels, map URL names and values</li> </ul>	<i>Secondary POC name field in host inventory.</i>
{INVENTORY.POC.SECONDARY.NOTES<1-9>}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications</li> <li>→ Internal notifications</li> <li>→ Problem update notifications</li> <li>→ Tag names and values</li> <li>→ Map element labels, map URL names and values</li> </ul>	<i>Secondary POC notes field in host inventory.</i>



Macro	Supported in	Description
{INVENTORY.POC.SECONDARY.PHONE.A<1-9>}	→ Trigger-based notifications → Internal notifications → Problem update notifications → Tag names and values → Map element labels, map URL names and values	<i>Secondary POC phone A field in host inventory.</i>
{INVENTORY.POC.SECONDARY.PHONE.B<1-9>}	→ Trigger-based notifications → Internal notifications → Problem update notifications → Tag names and values → Map element labels, map URL names and values	<i>Secondary POC phone B field in host inventory.</i>
{INVENTORY.POC.SECONDARY.SCREEN<1-9>}	→ Trigger-based notifications → Internal notifications → Problem update notifications → Tag names and values → Map element labels, map URL names and values	<i>Secondary POC screen name field in host inventory.</i>
{INVENTORY.SERIALNO.A<1-9>}	→ Trigger-based notifications → Internal notifications → Problem update notifications → Tag names and values → Map element labels, map URL names and values	<i>Serial number A field in host inventory.</i> {PROFILE.SERIALNO<1-9>} is deprecated.

Macro	Supported in	Description
{INVENTORY.SERIALNO.B<1-9>}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications</li> <li>→ Internal notifications</li> <li>→ Problem update notifications</li> <li>→ Tag names and values</li> <li>→ Map element labels, map URL names and values</li> </ul>	<i>Serial number B field in host inventory.</i>
{INVENTORY.SITE.ADDRESS.A<1-9>}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications</li> <li>→ Internal notifications</li> <li>→ Problem update notifications</li> <li>→ Tag names and values</li> <li>→ Map element labels, map URL names and values</li> </ul>	<i>Site address A field in host inventory.</i>
{INVENTORY.SITE.ADDRESS.B<1-9>}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications</li> <li>→ Internal notifications</li> <li>→ Problem update notifications</li> <li>→ Tag names and values</li> <li>→ Map element labels, map URL names and values</li> </ul>	<i>Site address B field in host inventory.</i>
{INVENTORY.SITE.ADDRESS.C<1-9>}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications</li> <li>→ Internal notifications</li> <li>→ Problem update notifications</li> <li>→ Tag names and values</li> <li>→ Map element labels, map URL names and values</li> </ul>	<i>Site address C field in host inventory.</i>

Macro	Supported in	Description
{INVENTORY.SITE.CITY<1-9>}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications</li> <li>→ Internal notifications</li> <li>→ Problem update notifications</li> <li>→ Tag names and values</li> <li>→ Map element labels, map URL names and values</li> </ul>	<i>Site city field in host inventory.</i>
{INVENTORY.SITE.COUNTRY<1-9>}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications</li> <li>→ Internal notifications</li> <li>→ Problem update notifications</li> <li>→ Tag names and values</li> <li>→ Map element labels, map URL names and values</li> </ul>	<i>Site country field in host inventory.</i>
{INVENTORY.SITE.NOTES<1-9>}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications</li> <li>→ Internal notifications</li> <li>→ Problem update notifications</li> <li>→ Tag names and values</li> <li>→ Map element labels, map URL names and values</li> </ul>	<i>Site notes field in host inventory.</i>
{INVENTORY.SITE.RACK<1-9>}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications</li> <li>→ Internal notifications</li> <li>→ Problem update notifications</li> <li>→ Tag names and values</li> <li>→ Map element labels, map URL names and values</li> </ul>	<i>Site rack location field in host inventory.</i>

Macro	Supported in	Description
{INVENTORY.SITE.STATE<1-9>}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications</li> <li>→ Internal notifications</li> <li>→ Problem update notifications</li> <li>→ Tag names and values</li> <li>→ Map element labels, map URL names and values</li> </ul>	<i>Site state/province field in host inventory.</i>
{INVENTORY.SITE.ZIP<1-9>}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications</li> <li>→ Internal notifications</li> <li>→ Problem update notifications</li> <li>→ Tag names and values</li> <li>→ Map element labels, map URL names and values</li> </ul>	<i>Site ZIP/postal field in host inventory.</i>
{INVENTORY.SOFTWARE<1-9>}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications</li> <li>→ Internal notifications</li> <li>→ Problem update notifications</li> <li>→ Tag names and values</li> <li>→ Map element labels, map URL names and values</li> </ul>	<i>Software field in host inventory. {PROFILE.SOFTWARE&lt;1-9&gt;} is deprecated.</i>
{INVENTORY.SOFTWARE.APP.A<1-9>}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications</li> <li>→ Internal notifications</li> <li>→ Problem update notifications</li> <li>→ Tag names and values</li> <li>→ Map element labels, map URL names and values</li> </ul>	<i>Software application A field in host inventory.</i>

Macro	Supported in	Description
{INVENTORY.SOFTWARE.APP.B<1-9>}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications</li> <li>→ Internal notifications</li> <li>→ Problem update notifications</li> <li>→ Tag names and values</li> <li>→ Map element labels, map URL names and values</li> </ul>	<i>Software application B field in host inventory.</i>
{INVENTORY.SOFTWARE.APP.C<1-9>}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications</li> <li>→ Internal notifications</li> <li>→ Problem update notifications</li> <li>→ Tag names and values</li> <li>→ Map element labels, map URL names and values</li> </ul>	<i>Software application C field in host inventory.</i>
{INVENTORY.SOFTWARE.APP.D<1-9>}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications</li> <li>→ Internal notifications</li> <li>→ Problem update notifications</li> <li>→ Tag names and values</li> <li>→ Map element labels, map URL names and values</li> </ul>	<i>Software application D field in host inventory.</i>
{INVENTORY.SOFTWARE.APP.E<1-9>}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications</li> <li>→ Internal notifications</li> <li>→ Problem update notifications</li> <li>→ Tag names and values</li> <li>→ Map element labels, map URL names and values</li> </ul>	<i>Software application E field in host inventory.</i>

Macro	Supported in	Description
{INVENTORY.SOFTWARE.FULL<1-9>}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications</li> <li>→ Internal notifications</li> <li>→ Problem update notifications</li> <li>→ Tag names and values</li> <li>→ Map element labels, map URL names and values</li> </ul>	<i>Software (Full details) field in host inventory.</i>
{INVENTORY.TAG<1-9>}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications</li> <li>→ Internal notifications</li> <li>→ Problem update notifications</li> <li>→ Tag names and values</li> <li>→ Map element labels, map URL names and values</li> </ul>	<i>Tag field in host inventory.</i> {PROFILE.TAG<1-9>} is deprecated.
{INVENTORY.TYPE<1-9>}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications</li> <li>→ Internal notifications</li> <li>→ Problem update notifications</li> <li>→ Tag names and values</li> <li>→ Map element labels, map URL names and values</li> </ul>	<i>Type field in host inventory.</i> {PROFILE.DEVICETYPE<1-9>} is deprecated.
{INVENTORY.TYPE.FULL<1-9>}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications</li> <li>→ Internal notifications</li> <li>→ Problem update notifications</li> <li>→ Tag names and values</li> <li>→ Map element labels, map URL names and values</li> </ul>	<i>Type (Full details) field in host inventory.</i>

Macro	Supported in	Description
{INVENTORY.URL.A<1-9>}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications</li> <li>→ Internal notifications</li> <li>→ Problem update notifications</li> <li>→ Tag names and values</li> <li>→ Map element labels, map URL names and values</li> </ul>	<i>URL A field in host inventory.</i>
{INVENTORY.URL.B<1-9>}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications</li> <li>→ Internal notifications</li> <li>→ Problem update notifications</li> <li>→ Tag names and values</li> <li>→ Map element labels, map URL names and values</li> </ul>	<i>URL B field in host inventory.</i>
{INVENTORY.URL.C<1-9>}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications</li> <li>→ Internal notifications</li> <li>→ Problem update notifications</li> <li>→ Tag names and values</li> <li>→ Map element labels, map URL names and values</li> </ul>	<i>URL C field in host inventory.</i>
{INVENTORY.VENDOR<1-9>}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications</li> <li>→ Internal notifications</li> <li>→ Problem update notifications</li> <li>→ Tag names and values</li> <li>→ Map element labels, map URL names and values</li> </ul>	<i>Vendor field in host inventory.</i>
{ITEM.DESCRPTION<1-9>}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications</li> <li>→ Internal notifications</li> <li>→ Problem update notifications</li> </ul>	<i>Description of the Nth item in the trigger expression that caused a notification. Supported since 2.0.0.</i>

Macro	Supported in	Description
{ITEM.ID<1-9>}	→ Trigger-based notifications → Internal notifications → Problem update notifications → HTTP agent type item, item prototype and discovery rule fields: URL, query fields, request body, headers, proxy, SSL certificate file, SSL key file.	<i>Numeric ID of the Nth item in the trigger expression that caused a notification.</i> Supported since 1.8.12.
{ITEM.KEY<1-9>}	→ Trigger-based notifications → Internal notifications → Problem update notifications → HTTP agent type item, item prototype and discovery rule fields: URL, query fields, request body, headers, proxy, SSL certificate file, SSL key file.	<i>Key of the Nth item in the trigger expression that caused a notification.</i> Supported since 2.0.0. {TRIGGER.KEY} is deprecated.
{ITEM.KEY.ORIG<1-9>}	→ Trigger-based notifications → Internal notifications → Problem update notifications	<i>Original key (with macros not expanded) of the Nth item in the trigger expression that caused a notification.</i> Supported since 2.0.6.



Macro	Supported in	Description
{ITEM.LASTVALUE<1-9>}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications</li> <li>→ Problem update notifications</li> <li>→ Trigger names and descriptions</li> <li>→ Tag names and values</li> <li>→ Trigger URLs<sup>7</sup></li> </ul>	<p><i>The latest value of the Nth item in the trigger expression that caused a notification.</i></p> <p>It will resolve to *UNKNOWN* in the frontend if the latest history value has been collected more than the <code>ZBX_HISTORY_PERIOD</code> time ago (defined in <a href="#">defines.inc.php</a>).</p> <p>Note that since 4.0, it will not resolve to the latest item value when viewing problem events, instead it will stay with the item value from the time of problem happening.</p> <p>Supported since 1.4.3. It is alias to <code>{{HOST.HOST}}: {ITEM.KEY}. last()</code>. <a href="#">Customizing</a> the macro value is supported for this macro; starting with Zabbix 3.2.0.</p>
{ITEM.LOG.AGE<1-9>}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications</li> <li>→ Problem update notifications</li> </ul>	<i>Age of the log item event.</i>
{ITEM.LOG.DATE<1-9>}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications</li> <li>→ Problem update notifications</li> </ul>	<i>Date of the log item event.</i>
{ITEM.LOG.EVENTID<1-9>}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications</li> <li>→ Problem update notifications</li> </ul>	<i>ID of the event in the event log.</i> For Windows event log monitoring only.
{ITEM.LOG.NSEVERITY<1-9>}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications</li> <li>→ Problem update notifications</li> </ul>	<i>Numeric severity of the event in the event log.</i> For Windows event log monitoring only.
{ITEM.LOG.SEVERITY<1-9>}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications</li> <li>→ Problem update notifications</li> </ul>	<i>Verbal severity of the event in the event log.</i> For Windows event log monitoring only.
{ITEM.LOG.SOURCE<1-9>}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications</li> <li>→ Problem update notifications</li> </ul>	<i>Source of the event in the event log.</i> For Windows event log monitoring only.
{ITEM.LOG.TIME<1-9>}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications</li> <li>→ Problem update notifications</li> </ul>	<i>Time of the log item event.</i>

Macro	Supported in	Description
{ITEM.NAME<1-9>}	→ Trigger-based notifications → Internal notifications → Problem update notifications	<i>Name of the Nth item (with macros resolved) in the trigger expression that caused a notification.</i>
{ITEM.NAME.ORIG<1-9>}	→ Trigger-based notifications → Internal notifications → Problem update notifications	<i>Original name (i.e. without macros resolved) of the Nth item in the trigger expression that caused a notification.</i> Supported since 2.0.6.
{ITEM.STATE<1-9>}	→ Item-based internal notifications	<i>The latest state of the Nth item in the trigger expression that caused a notification.</i> Possible values: <b>Not supported</b> and <b>Normal</b> . Supported since 2.2.0.
{ITEM.VALUE<1-9>}	→ Trigger-based notifications → Problem update notifications → Trigger names and descriptions → Tag names and values → Trigger URLs <sup>7</sup>	Resolved to either: 1) the historical (at-the-time-of-event) value of the Nth item in the trigger expression, if used in the context of trigger status change, for example, when displaying events or sending notifications. 2) the latest value of the Nth item in the trigger expression, if used without the context of trigger status change, for example, when displaying a list of triggers in a pop-up selection window. In this case works the same as {ITEM.LASTVALUE} In the first case it will resolve to *UNKNOWN* if the history value has already been deleted or has never been stored. In the second case, and in the frontend only, it will resolve to *UNKNOWN* if the latest history value has been collected more than the <code>ZBX_HISTORY_PERIOD</code> time ago (defined in <code>defines.inc.php</code> ). Supported since 1.4.3.  <a href="#">Customizing</a> the macro value is supported for this macro, starting with Zabbix 3.2.0.
{LLDRULE.DESCRPTION}	→ LLD-rule based internal notifications	<i>Description of the low-level discovery rule which caused a notification.</i> Supported since 2.2.0.
{LLDRULE.ID}	→ LLD-rule based internal notifications	<i>Numeric ID of the low-level discovery rule which caused a notification.</i> Supported since 2.2.0.
{LLDRULE.KEY}	→ LLD-rule based internal notifications	<i>Key of the low-level discovery rule which caused a notification.</i> Supported since 2.2.0.
{LLDRULE.KEY.ORIG}	→ LLD-rule based internal notifications	<i>Original key (with macros not expanded) of the low-level discovery rule which caused a notification.</i> Supported since 2.2.0.

Macro	Supported in	Description
{LLDRULE.NAME}	→ LLD-rule based internal notifications	<i>Name of the low-level discovery rule (with macros resolved) that caused a notification.</i> Supported since 2.2.0.
{LLDRULE.NAME.ORIG}	→ LLD-rule based internal notifications	<i>Original name (i.e. without macros resolved) of the low-level discovery rule that caused a notification.</i> Supported since 2.2.0.
{LLDRULE.STATE}	→ LLD-rule based internal notifications	<i>The latest state of the low-level discovery rule. Possible values: <b>Not supported</b> and <b>Normal</b>.</i> Supported since 2.2.0.
{MAP.ID}	→ Map element labels, map URL names and values	<i>Network map ID.</i>
{MAP.NAME}	→ Map element labels, map URL names and values → Text field in map shapes	<i>Network map name.</i> Supported since 3.4.0.
{PROXY.DESCRPTION<1-9>}	→ Trigger-based notifications and commands → Discovery notifications → Auto-registration notifications → Internal notifications → Problem update notifications	<i>Description of the proxy. Resolves to either:</i> 1) proxy of the Nth item in the trigger expression (in trigger-based notifications). You may use <a href="#">indexed</a> macros here. 2) proxy, which executed discovery (in discovery notifications). Use {PROXY.DESCRPTION} here, without indexing. 3) proxy to which an active agent registered (in auto-registration notifications). Use {PROXY.DESCRPTION} here, without indexing. Supported since 2.4.0.
{PROXY.NAME<1-9>}	→ Trigger-based notifications and commands → Discovery notifications → Auto-registration notifications → Internal notifications → Problem update notifications	<i>Name of the proxy. Resolves to either:</i> 1) proxy of the Nth item in the trigger expression (in trigger-based notifications). You may use <a href="#">indexed</a> macros here. 2) proxy, which executed discovery (in discovery notifications). Use {PROXY.NAME} here, without indexing. 3) proxy to which an active agent registered (in auto-registration notifications). Use {PROXY.NAME} here, without indexing. Supported since 1.8.4.

Macro	Supported in	Description
{TIME}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications and commands</li> <li>→ Discovery notifications</li> <li>→ Auto-registration notifications</li> <li>→ Internal notifications</li> <li>→ Problem update notifications</li> </ul>	<i>Current time in hh:mm:ss.</i>
{TRIGGER.DESCRPTION}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications</li> <li>→ Trigger-based internal notifications</li> <li>→ Problem update notifications</li> </ul>	<i>Trigger description. Supported since 2.0.4. Starting with 2.2.0, all macros supported in a trigger description will be expanded if {TRIGGER.DESCRPTION} is used in notification text. {TRIGGER.COMMENT} is deprecated.</i>
{TRIGGER.EVENTS.ACK}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications</li> <li>→ Problem update notifications</li> <li>→ Map element labels</li> </ul>	<i>Number of acknowledged events for a map element in maps, or for the trigger which generated current event in notifications. Supported since 1.8.3.</i>
{TRIGGER.EVENTS.PROBLEM.ACK}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications</li> <li>→ Problem update notifications</li> <li>→ Map element labels</li> </ul>	<i>Number of acknowledged PROBLEM events for all triggers disregarding their state. Supported since 1.8.3.</i>
{TRIGGER.EVENTS.PROBLEM.UNACK}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications</li> <li>→ Problem update notifications</li> <li>→ Map element labels</li> </ul>	<i>Number of unacknowledged PROBLEM events for all triggers disregarding their state. Supported since 1.8.3.</i>
{TRIGGER.EVENTS.UNACK}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications</li> <li>→ Problem update notifications</li> <li>→ Map element labels</li> </ul>	<i>Number of unacknowledged events for a map element in maps, or for the trigger which generated current event in notifications. Supported in map element labels since 1.8.3.</i>
{TRIGGER.HOSTGROUP.NAME}	<ul style="list-style-type: none"> <li>→ Trigger-based notifications</li> <li>→ Problem update notifications</li> <li>→ Trigger-based internal notifications</li> </ul>	<i>A sorted (by SQL query), comma-space separated list of host groups in which the trigger is defined. Supported since 2.0.6.</i>

Macro	Supported in	Description
{TRIGGER.PROBLEM.EVENTS.PROBLEM.ACK}	→ Map element labels	Number of acknowledged PROBLEM events for triggers in PROBLEM state. Supported since 1.8.3.
{TRIGGER.PROBLEM.EVENTS.PROBLEM.UNACK}	→ Map element labels	Number of unacknowledged PROBLEM events for triggers in PROBLEM state. Supported since 1.8.3.
{TRIGGER.EXPRESSION}	→ Trigger-based notifications → Trigger-based internal notifications → Problem update notifications	Trigger expression. Supported since 1.8.12.
{TRIGGER.EXPRESSION.RECOVERY}	→ Trigger-based notifications → Trigger-based internal notifications → Problem update notifications	Trigger recovery expression if OK event generation in trigger configuration is set to 'Recovery expression'; otherwise an empty string is returned. Supported since 3.2.0.
{TRIGGER.ID}	→ Trigger-based notifications → Trigger-based internal notifications → Problem update notifications → Map element labels, map URL names and values → Trigger URLs	Numeric trigger ID which triggered this action. Supported in trigger URLs since Zabbix 1.8.8.
{TRIGGER.NAME}	→ Trigger-based notifications and commands → Trigger-based internal notifications → Problem update notifications	Name of the trigger (with macros resolved). Note that since 4.0.0 {EVENT.NAME} can be used in actions to display the triggered event/problem name with macros resolved.
{TRIGGER.NAME.ORIG}	→ Trigger-based notifications → Trigger-based internal notifications → Problem update notifications	Original name of the trigger (i.e. without macros resolved). Supported since 2.0.6.

Macro	Supported in	Description
{TRIGGER.NSEVERITY}	→ Trigger-based notifications → Trigger-based internal notifications → Problem update notifications	<i>Numerical trigger severity.</i> Possible values: 0 - Not classified, 1 - Information, 2 - Warning, 3 - Average, 4 - High, 5 - Disaster. Supported starting from Zabbix 1.6.2.
{TRIGGER.SEVERITY}	→ Trigger-based notifications → Trigger-based internal notifications → Problem update notifications	<i>Trigger severity name.</i> Can be defined in <i>Administration → General → Trigger severities.</i>
{TRIGGER.STATE}	→ Trigger-based internal notifications	<i>The latest state of the trigger.</i> Possible values: <b>Unknown</b> and <b>Normal</b> . Supported since 2.2.0.
{TRIGGER.STATUS}	→ Trigger-based notifications → Problem update notifications	<i>Current trigger value.</i> Can be either PROBLEM or OK. {STATUS} is deprecated.
{TRIGGER.TEMPLATE.NAME}	→ Trigger-based notifications → Trigger-based internal notifications → Problem update notifications	<i>A sorted (by SQL query), comma-space separated list of templates in which the trigger is defined, or *UNKNOWN* if the trigger is defined in a host.</i> Supported since 2.0.6.
{TRIGGER.URL}	→ Trigger-based notifications → Trigger-based internal notifications → Problem update notifications	<i>Trigger URL.</i>
{TRIGGER.VALUE}	→ Trigger-based notifications → Trigger expressions → Problem update notifications	<i>Current trigger numeric value:</i> 0 - trigger is in OK state, 1 - trigger is in PROBLEM state.
{TRIGGERS.UNACK}	→ Map element labels	<i>Number of unacknowledged triggers for a map element, disregarding trigger state.</i> A trigger is considered to be unacknowledged if at least one of its PROBLEM events is unacknowledged.

Macro	Supported in	Description
{TRIGGERS.PROBLEM.UNACK}	→ Map element labels	<i>Number of unacknowledged PROBLEM triggers for a map element.</i> A trigger is considered to be unacknowledged if at least one of its PROBLEM events is unacknowledged. Supported since 1.8.3.
{TRIGGERS.ACK}	→ Map element labels	<i>Number of acknowledged triggers for a map element, disregarding trigger state.</i> A trigger is considered to be acknowledged if all of its PROBLEM events are acknowledged. Supported since 1.8.3.
{TRIGGERS.PROBLEM.ACK}	→ Map element labels	<i>Number of acknowledged PROBLEM triggers for a map element.</i> A trigger is considered to be acknowledged if all of its PROBLEM events are acknowledged. Supported since 1.8.3.
{USER.FULLNAME}	→ Problem update notifications	<i>Name and surname of the user who added event acknowledgement.</i> Supported since 3.4.0.
{host:key.func(param)}	→ Trigger-based notifications → Problem update notifications → Map element/shape labels <sup>3</sup> → Link labels in maps <sup>3</sup> → Graph names <sup>5</sup> → Trigger expressions <sup>6</sup>	<i>Simple macros, as used in building trigger expressions.</i>  Supported for shape labels in maps since 3.4.2.
{\$MACRO}	→ See: <a href="#">User macros supported by location</a>	<i>User-definable macros.</i>
{#MACRO}	→ See: <a href="#">Low-level discovery macros</a>	<i>Low-level discovery macros.</i> Supported since 2.0.0.  <i>Customizing</i> the macro value is supported for this macro, starting with Zabbix 4.0.0.

## Footnotes

<sup>1</sup> The {HOST.\*} macros supported in item key parameters will resolve to the interface that is selected for the item. When used in items without interfaces they will resolve to either the Zabbix agent, SNMP, JMX or IPMI interface of the host in this order of priority.

<sup>2</sup> In remote commands, global scripts, interface IP/DNS fields and web scenarios the macro will resolve to the main agent interface, however, if it is not present, the main SNMP interface will be used. If SNMP is also not present, the main JMX interface will be used. If JMX is not present either, the main IPMI interface will be used.

<sup>3</sup> Only the **avg**, **last**, **max** and **min** functions, with seconds as parameter are supported in this macro in map labels.

<sup>4</sup> Supported since Zabbix 2.2.0, {HOST.\*} macros are supported in web scenario *Name*, *Variables*, *Headers*, *SSL certificate file* and *SSL key file* fields and in scenario step *Name*, *URL*, *Post*, *Headers* and *Required string* fields.

<sup>5</sup> Supported since Zabbix 2.2.0. Only the **avg**, **last**, **max** and **min** functions, with seconds as parameter are supported within this macro in graph names. The {HOST.HOST<1-9>} macro can be used as host within the macro. For example:

- {Cisco switch:ifAlias[ {#SNMPINDEX} ].last() }
- { {HOST.HOST} :ifAlias[ {#SNMPINDEX} ].last() }

<sup>6</sup> While supported to build trigger expressions, simple macros may not be used inside each other.

<sup>7</sup> Supported since 4.0.0.

## Indexed macros

The indexed macro syntax of {MACRO<1-9>} is limited to the context of **trigger expressions**. It can be used to reference hosts in the order in which they appear in the expression. Macros like {HOST.IP1}, {HOST.IP2}, {HOST.IP3} will resolve to the IP of the first, second and third host in the trigger expression (providing the trigger expression contains those hosts).

Additionally the {HOST.HOST<1-9>} macro is also supported within the {host:key.func(param)} macro in **graph names**. For example, {{HOST.HOST2}:key.func()} in the graph name will refer to the host of the second item in the graph.

Use macros **without** index (i. e. {HOST.HOST}, {HOST.IP}, etc) in all other contexts.

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