

Zabbix API

The Zabbix API is a powerful tool for extending Zabbix, developing apps for your favorite platform or integrating it with third party software

This section provides an overview of the functions provided by the Zabbix API and will help you find your way around the available classes and methods.

Monitoring

The Zabbix API allows you to access history and other data gathered during monitoring.

History

Retrieve historical values gathered by Zabbix monitoring processes for presentation or further processing.

[History API](#)

Events

Retrieve events generated by triggers, network discovery and other Zabbix systems for more flexible situation management or third-party tool integration.

[Event API](#)

Service monitoring

Retrieve detailed service layer availability information about any IT service.

[IT service SLA calculation](#)

Configuration

The Zabbix API allows you to manage the configuration of your monitoring system.

Hosts and host groups

Manage host groups, hosts and everything related to them, including host interfaces, host macros and maintenance periods.

[Host API](#) | [Host group API](#) | [Host interface API](#) | [User macro API](#) | [Maintenance API](#)

Items and applications

Define items to monitor. Create or remove applications and assign items to them.

[Item API](#) | [Application API](#)

Triggers

Configure triggers to notify you about problems in your system. Manage trigger dependencies.

[Trigger API](#)

Graphs

Edit graphs or separate graph items for better presentation of the gathered data.

[Graph API](#) | [Graph item API](#)

Templates

Manage templates and link them to hosts or other templates.

[Template API](#)

Export and import

Export and import Zabbix configuration data for configuration backups, migration or large-scale configuration updates.

[Configuration API](#)

Low-level discovery

Configure low-level discovery rules as well as item, trigger and graph prototypes to monitor dynamic entities.

[LLD rule API](#) | [Item prototype API](#) | [Trigger prototype API](#) | [Graph prototype API](#)

Screens

Edit global and template-level screens or each screen item individually.

[Screen API](#) | [Screen item API](#) | [Template screen API](#) | [Template screen item API](#)

Actions and alerts

Define actions and operations to notify users about certain events or automatically execute remote commands. Gain access to information about generated alerts and their receivers.

[Action API](#) | [Alert API](#)

IT services

Manage IT services for service-level monitoring and retrieve detailed SLA information about any service.

[IT service API](#)

Maps

Configure maps to create detailed dynamic representations of your IT infrastructure.

[Map API](#)

Web monitoring

Configure web scenarios to monitor your web applications and services.

[Web scenario API](#)

Network discovery

Manage network-level discovery rules to automatically find and monitor new hosts. Gain full access to information about discovered services and hosts.

[Discovery rule API](#) | [Discovery check API](#) | [Discovery host API](#) | [Discovery service API](#)

Administration

With the Zabbix API you can change administration settings of your monitoring system.

Users

Add users that will have access to Zabbix, assign them to user groups and grant permissions. Configure media types and the ways users will receive alerts.

[User API](#) | [User group API](#) | [Media type API](#) | [Media API](#)

General

Change certain global configuration options.

[Icon map API](#) | [Image API](#) | [User macro API](#)

Proxies

Manage the proxies used in your distributed monitoring setup.

[Proxy API](#)

Scripts

Configure and execute scripts to help you with your daily tasks.

[Script API](#)

API information

Retrieve the version of the Zabbix API so that your application could use version-specific features.

[API info API](#)

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