

How To Access The Nagios XI Backend API

Purpose

This document describes how to access the Nagios XI backend API to query current status and historical information. The API will return information in XML format which can be used to integrate Nagios status information into third-party systems or frontends allowing users to fully customize their monitoring and alerting environment.

Important:

Deprecated API. This feature is now deprecated. Please use the new **REST API**, which was introduced in Nagios XI 5. To view the REST API documentation in Nagios XI navigate to **Help > Backend API Docs**. The following document is a great starting point:

[How to Access and Use the XI REST API](#)

Component Installation

The component comes installed in Nagios XI by default. If it is not present it can be downloaded from the following URL:

<https://assets.nagios.com/downloads/nagiosxi/components/backendapiurl.zip>

You then install the component in Nagios XI by navigating to **Admin > System Extensions > Manage Components**.

Use the **Browse** and **Upload & Install** buttons.

A screenshot of the Manage Components menu is shown on the following page.

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Manage Components

Manage the components that are installed on this system. Need a custom component created to extend Nagios XI's capabilities? [Contact us](#) for pricing information. You can find additional components for Nagios XI at [Nagios Exchange](#).

Upload a Component [Upload & Install](#) [Check for Updates](#) [Install Updates](#) [More Components](#)

Component	Type	Settings	Actions	Version	Status
Actions Adds custom actions to hosts and services. 2.0.0 Nagios Enterprises, LLC	User			2.0.0	
Alert Cloud Displays a cloud of recent alerts. 1.2.0 Nagios Enterprises, LLC	User	-		1.2.0	
Alert Stream Displays a streamgraph report of alerts. 2.0.6 Nagios Enterprises, LLC	User	-		2.0.6	
BBMap Displays a grid-like view of host and service status. 1.1.8 Nagios Enterprises, LLC	User	-		1.1.8	
Backend API URL Provides information on the URLs used to access the Nagios XI backend API. 1.0.1 Nagios Enterprises, LLC	User			1.0.1	
Bandwidth Usage Report Provides a bandwidth usage report for network switches and routers that are being monitored.Requires host authorization to view report. 1.7.4 Nagios Enterprises, LLC	User	-		1.7.4	

Click on the component settings icon to use the component.

Backend API URL
Provides information on the URLs used to access the Nagios XI backend API.
1.0.1 Nagios Enterprises, LLC

User 1.0.1

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The data return from the backend API will differ based on the authorization level of the user making the request, you must select the user account you intend to use to access the API.

Backend API URL ?

Developers: The Nagios XI backend API can be used to access current and historical information on monitored hosts and services for integration into third-party frontends. In order to access XML data via the backend API you must pass a username and a backend ticket to identify yourself. Without the proper credentials, no data is returned.

⚠ Depreciated API This feature is now deprecated. Please use the new REST API that is [documented here](#).

Account Selection

Select the user account you would like to get backend API URLs for.

User:

Apply Settings

Cancel

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Once you select a user account and click the **Apply Settings** button, the component will display different URLs that can be used to access various data from the API.

You can test API access by visiting one of the backend URLs in a web browser. From there, the data can be exported and used in any program or application that can read XML files to display information and/or run other scripts.

Note: Neither the web browser, nor Nagios XI will require additional authentication to return data. The URLs you use to access the backend API already contain authentication credentials.

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Backend API URLs

You can use the URLs below to fetch information from the Nagios XI backend API. **Note:** It is important to retain the *username* and *ticket* query parameters.

Data Type	URL
Current Host Status:	http://xi-c6x-x64/nagiosxi/backend/?cmd=gethoststatus&username=nagiosadmin&ticket=ISrjEEvD
Current Service Status:	http://xi-c6x-x64/nagiosxi/backend/?cmd=getservicestatus&username=nagiosadmin&ticket=ISrjEEvD
Current Program Status:	http://xi-c6x-x64/nagiosxi/backend/?cmd=getprogramstatus&username=nagiosadmin&ticket=ISrjEEvD
Current Program Performance:	http://xi-c6x-x64/nagiosxi/backend/?cmd=getprogramperformance&username=nagiosadmin&ticket=ISrjEEvD
System Statistics:	http://xi-c6x-x64/nagiosxi/backend/?cmd=getsysstat&username=nagiosadmin&ticket=ISrjEEvD
Log Entries:	http://xi-c6x-x64/nagiosxi/backend/?cmd=getlogentries&username=nagiosadmin&ticket=ISrjEEvD
State History:	http://xi-c6x-x64/nagiosxi/backend/?cmd=getstatehistory&username=nagiosadmin&ticket=ISrjEEvD
Comments:	http://xi-c6x-x64/nagiosxi/backend/?cmd=getcomments&username=nagiosadmin&ticket=ISrjEEvD
Scheduled Downtime:	http://xi-c6x-x64/nagiosxi/backend/?cmd=getscheduleddowntime&username=nagiosadmin&ticket=ISrjEEvD
Users:	http://xi-c6x-x64/nagiosxi/backend/?cmd=getusers&username=nagiosadmin&ticket=ISrjEEvD
Contact:	http://xi-c6x-x64/nagiosxi/backend/?cmd=getcontacts&username=nagiosadmin&ticket=ISrjEEvD
Hosts:	http://xi-c6x-x64/nagiosxi/backend/?cmd=gethosts&username=nagiosadmin&ticket=ISrjEEvD
Services:	http://xi-c6x-x64/nagiosxi/backend/?cmd=getservices&username=nagiosadmin&ticket=ISrjEEvD
Hostgroups:	http://xi-c6x-x64/nagiosxi/backend/?cmd=gethostgroups&username=nagiosadmin&ticket=ISrjEEvD
Servicegroups:	http://xi-c6x-x64/nagiosxi/backend/?cmd=getservicegroups&username=nagiosadmin&ticket=ISrjEEvD
Contactgroups:	http://xi-c6x-x64/nagiosxi/backend/?cmd=getcontactgroups&username=nagiosadmin&ticket=ISrjEEvD
Hostgroup Members:	http://xi-c6x-x64/nagiosxi/backend/?cmd=gethostgroupmembers&username=nagiosadmin&ticket=ISrjEEvD
Servicegroup Members:	http://xi-c6x-x64/nagiosxi/backend/?cmd=getservicegroupmembers&username=nagiosadmin&ticket=ISrjEEvD
Contactgroup Members:	http://xi-c6x-x64/nagiosxi/backend/?cmd=getcontactgroupmembers&username=nagiosadmin&ticket=ISrjEEvD

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Finishing Up

This completes the documentation on How to Access the Nagios XI Backend API. If you have additional questions or other support-related questions, please visit us at our Nagios Support Forum, Nagios Knowledge Base, or Nagios Library:

[Visit Nagios Support Forum](#)

[Visit Nagios Knowledge Base](#)

[Visit Nagios Library](#)