

How to Use the Wizard Builder in Nagios XI 2026R2

Purpose

This document describes how to use the Wizard Builder page to create custom Declarative Wizards from within the Nagios XI 2026R2+ user interface.

You can learn more about the structure and fields of the Declarative Wizard format here:

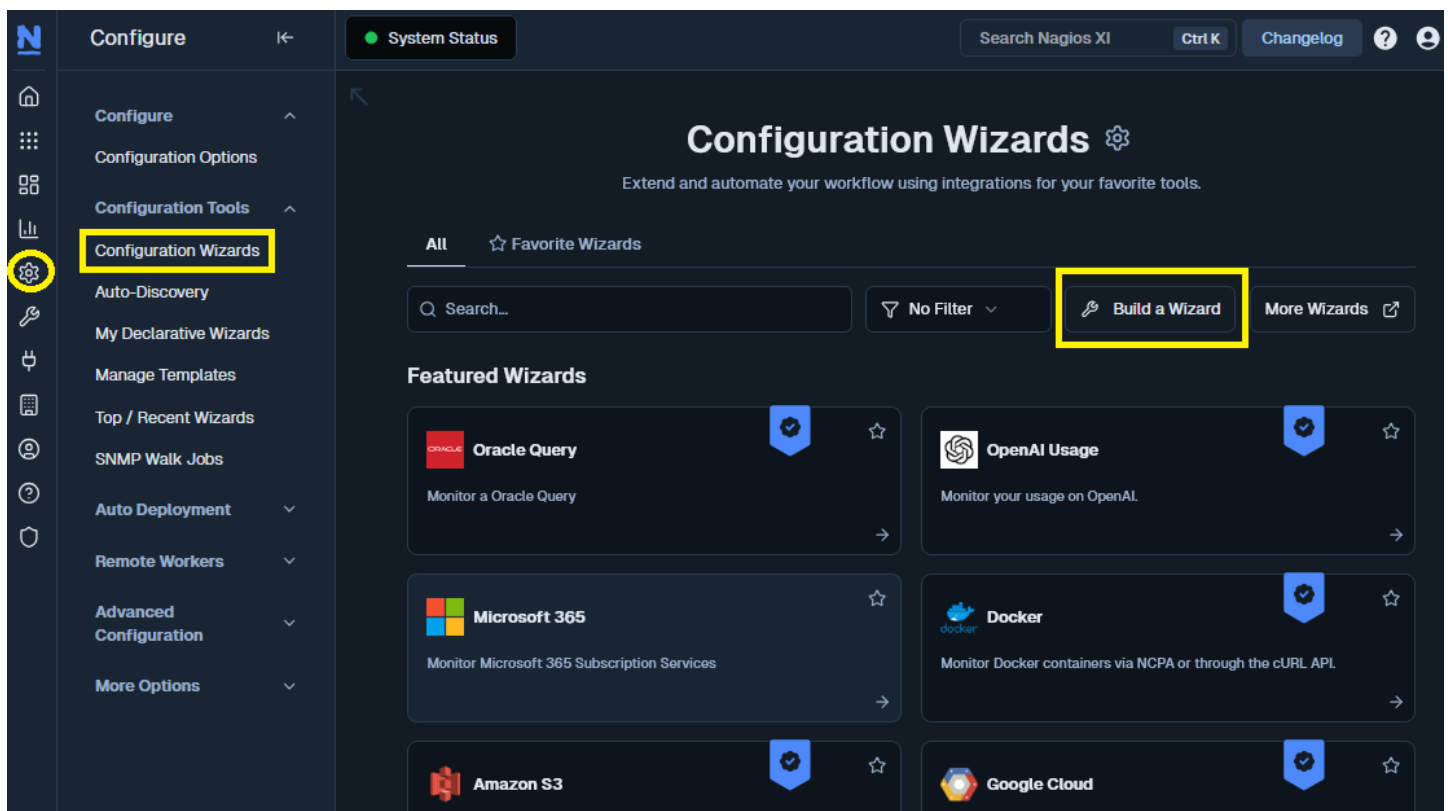
[Understanding the Declarative Wizard in Nagios XI](#)

Important Note: the Wizard Builder is one of Nagios XI's Premium features, so requires active support and maintenance benefits to function. For questions about renewing your benefits if they have lapsed, please email sales@nagios.com so we can assist you further.

Accessing the Wizard Builder

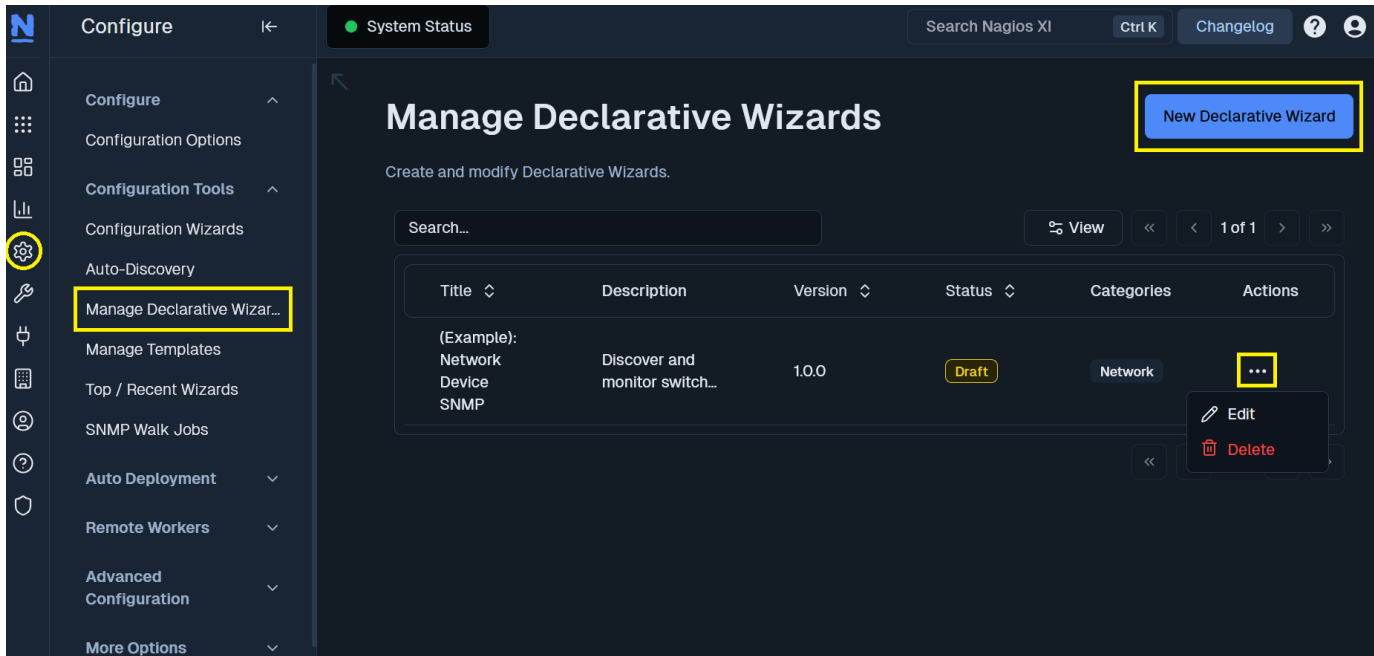
You can access the Wizard Builder in two ways.

First, by navigating to **Configure > Configuration Wizards > Build a Wizard**.

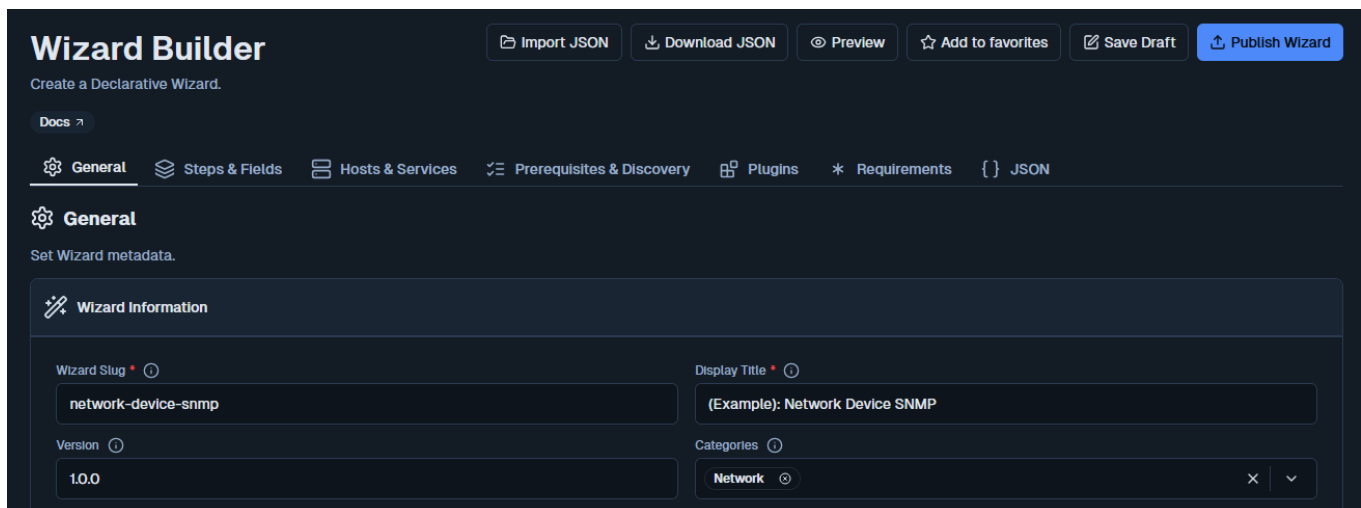


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Alternatively, you can also access the Wizard Builder by navigating to **Configure > Manage Declarative Wizards**, and either selecting **New Declarative Wizard** or choosing to edit an existing Declarative Wizard.



The My Declarative Wizards section includes a premade example wizard that you can review to better understand the various settings. The example **Network Device SNMP** wizard is designed to scan an SNMP-enabled network device for interfaces, and enable monitoring of interface up/down status along with a ping check of the host itself.



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Using the Wizard Builder

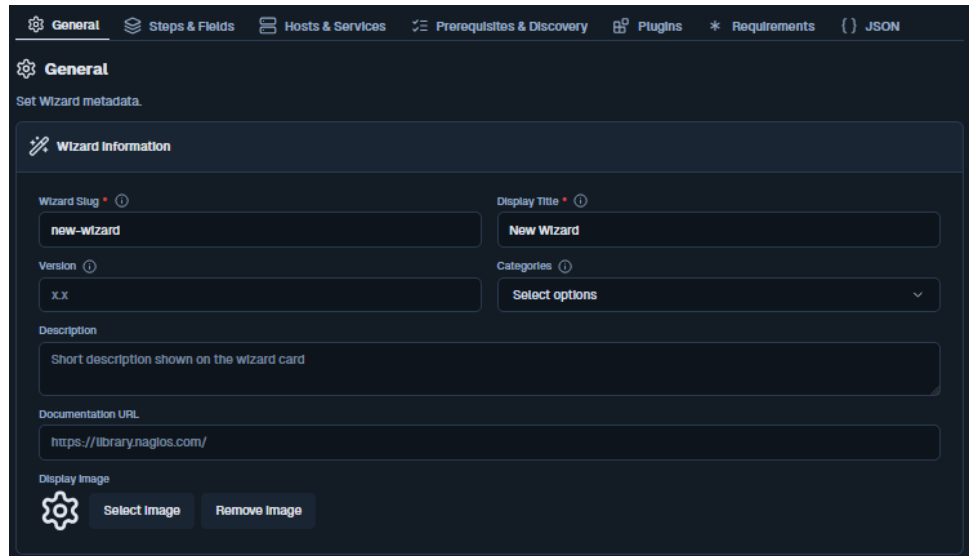
The Wizard Builder is composed of the following categories:

- [General Information](#)
- [Steps & Fields](#)
- [Hosts & Services](#)
- [Prerequisites & Discovery](#)
- [Plugins](#)
- [Requirements](#)
- [JSON Preview](#)

You'll also see options to import a Declarative Wizard as JSON, download the current wizard JSON, perform a live preview of the current wizard, favorite the current wizard, and save a draft of the current wizard.

General Information

This section allows you to configure a Declarative Wizard's metadata.

The screenshot shows the 'General' tab of the Wizard Builder interface. At the top, there is a navigation bar with tabs: General (selected), Steps & Fields, Hosts & Services, Prerequisites & Discovery, Plugins, Requirements, and JSON. Below the navigation bar, the 'General' section is titled 'Set Wizard metadata.' and contains a 'Wizard Information' form. The form has several fields: 'Wizard Slug' with the value 'new-wizard', 'Display Title' with the value 'New Wizard', 'Version' with the value 'X.X', 'Categories' with a dropdown menu showing 'Select options', 'Description' with the placeholder text 'Short description shown on the wizard card', and 'Documentation URL' with the value 'https://library.nagios.com/'. At the bottom of the form, there is a 'Display Image' section with a gear icon, a 'Select Image' button, and a 'Remove Image' button.

Wizard metadata includes:

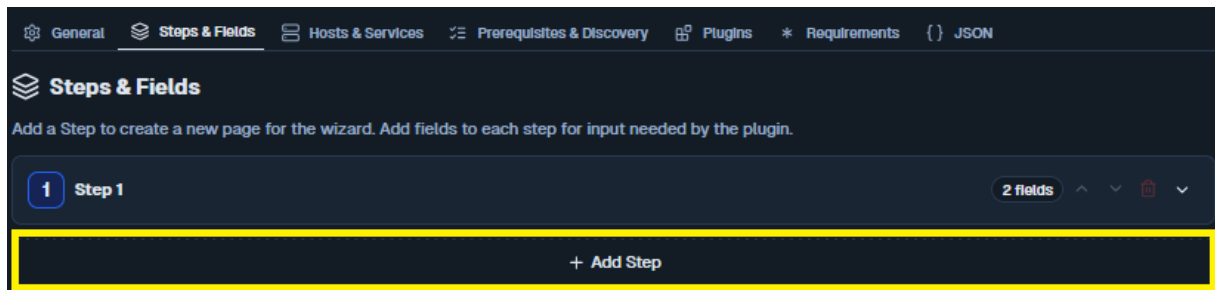
- **Wizard Slug:** the internal name of the wizard
- **Display Title:** the visible name of the wizard as represented in the interface
- **Version:** revision information for the wizard
- **Categories:** filter groups for the wizard for use in the Configuration Wizards page
- **Description:** A short description that will be displayed on the wizard card on the Configuration Wizards page
- **Documentation URL:** Displays as a 'Docs' link on the Wizard Runner.
- **Display image:** add in image to serve as the wizard icon.

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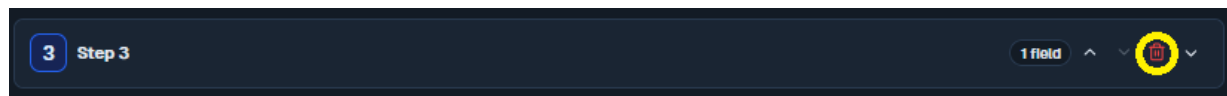
Steps & Fields

This section will allow you to add Steps to the wizard, and include fields within each step. Each step has a Title, Description, and set of Fields. You can create as many or as few steps for your wizard as you need.

- To add a new step, scroll to the bottom of the page and click **Add Step**.

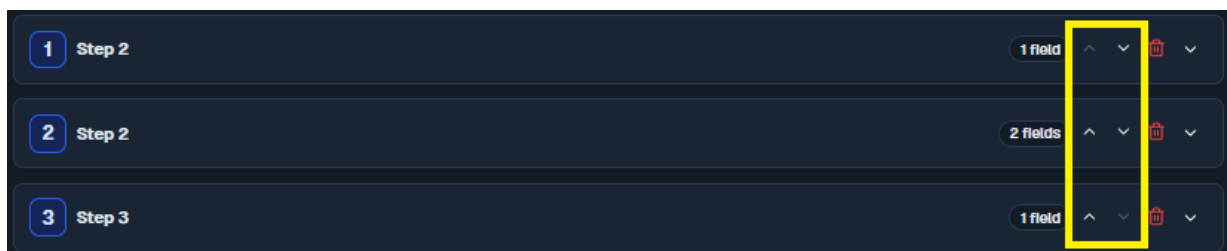


- To remove a step, click the red trash can icon on the right hand of the step card.

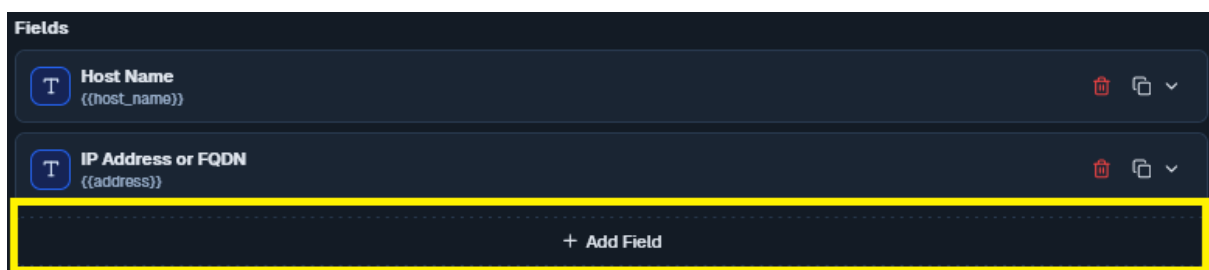


- Note:** a step may only be removed if there exists at least one other step.

- To re-order steps, click on the up/down arrows to the left of the delete button.



- To add a field, click **Add Field** at the bottom of the step card.



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- A field has a Field Name/Token, Display Title, Type, Placeholder text, Default Value, Description, Tooltip, Dropdown Options, and a toggle to determine if a given field should be Required. Other options are available depending on the selected field type. The available field Types are:
 - **Text**: Standard text input, with the option to replace with a dropdown of pre-defined strings using the 'Dropdown Options' field.
 - **Password**: Hidden text input.
 - **Integer**: Integer number input that cannot include decimals. Has options for minimum and maximum values.
 - **Decimal**: Number input that can include decimals. Has options for minimum and maximum values.
 - **Toggle**: Option that can be enabled/disabled with a toggle button.

Hosts & Services

This section is where you define the objects created by the wizard. A host has a Host Name, Address, Alias, Check Command, Check Command Arguments, Helper Label, and a set of Services.

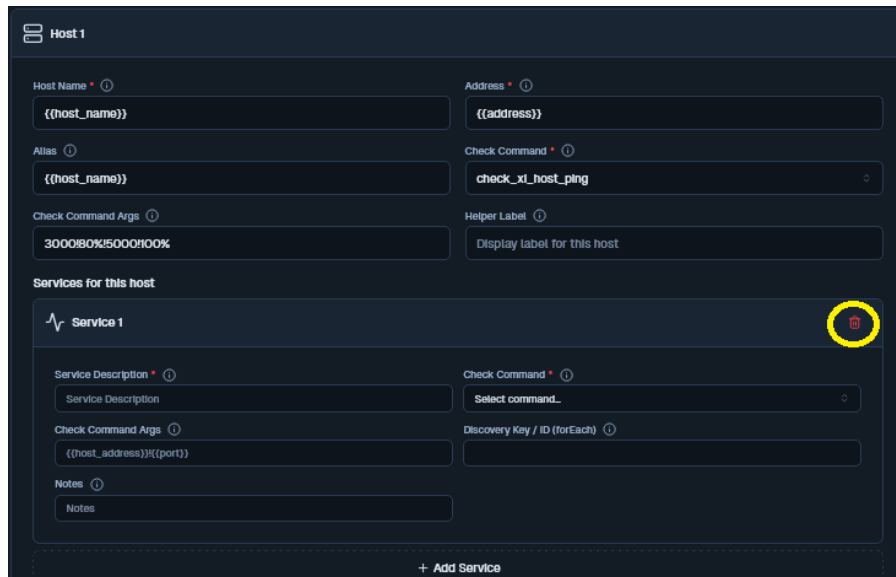
Services contain a Service Description, Check Command, Check Command Arguments, Discovery Key/ID, and Notes.

- **Discovery Key** is used to use the selected service as a template for objects found in a discovery command. Use the **Discovery Key** set in the **Prerequisites & Discovery** section to link a service to a discovery command.
- To add a new service to a host, or to add a new host, click the **Add Service** or **+ Add Host** button.

The screenshot shows the 'Host 1' configuration page in Nagios XI. It features several input fields: 'Host Name' with placeholder '{{host_name}}', 'Address' with placeholder '{{address}}', 'Alias' with placeholder '{{host_name}}', 'Check Command' with a dropdown menu showing 'check_xi_host_ping', 'Check Command Args' with placeholder '3000|80%|5000|100%', and 'Helper Label' with placeholder 'Display label for this host'. Below these is a section titled 'Services for this host' which contains a table with columns for 'Service Description', 'Check Command', 'Check Command Args', and 'Discovery Key / ID (for Each)'. The table has one row labeled 'Service 1'. At the bottom of the form, there are two buttons: '+ Add Service' and '+ Add Host', both highlighted with a yellow border.

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- To remove a Service from a Host, or to remove a Host, click the red trash icon on the right side of the entry. **Note** that the Host delete button will only appear if more than one Host is present.



The screenshot shows the 'Host 1' configuration page in Nagios XI. It features several input fields: 'Host Name' with a placeholder {{host_name}}, 'Address' with a placeholder {{address}}, 'Alias' with a placeholder {{host_name}}, 'Check Command' set to 'check_xi_host_ping', 'Check Command Args' set to '3000B0%5000H00%', and 'Helper Label' set to 'Display label for this host'. Below these is a section titled 'Services for this host' containing a single entry 'Service 1'. A red trash icon is visible on the right side of the 'Service 1' entry, highlighted with a yellow circle. At the bottom of the services section is a '+ Add Service' button.

Prerequisites & Discovery

This section is where you define Prerequisite Checks and Object Discovery commands to be used after a given step. Each item can have the following properties:

- A Type, either Prerequisite Check or Object Discovery .
- A Run Command option for which step to run the given command after.
- A Label to be displayed in the Wizard Runner.
- A Source to determine whether the given command should be a registered Check Command or a wizard-specific Imported Plugin.
- The option of choosing which command/plugin to use and its arguments.
- Timeout for the Command or Plugin.

Object Discovery commands have the following properties in addition:

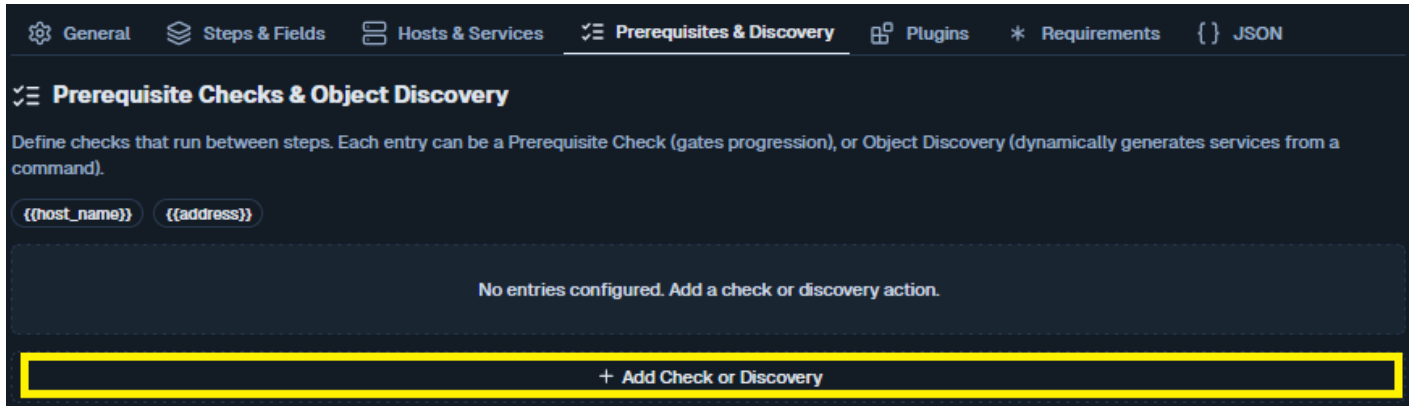
- Selection Columns: Represents expected keys in the JSON output of the discovery command, as well as table headers for each column.
- Minimum Selected: Minimum number of items which must be selected to proceed. Below this number, progression is blocked.

Prerequisite Checks have the following properties in addition:

- Failure Message: Custom message to run if the check command returns a non-OK/non-Up state (exit code $\neq 0$)

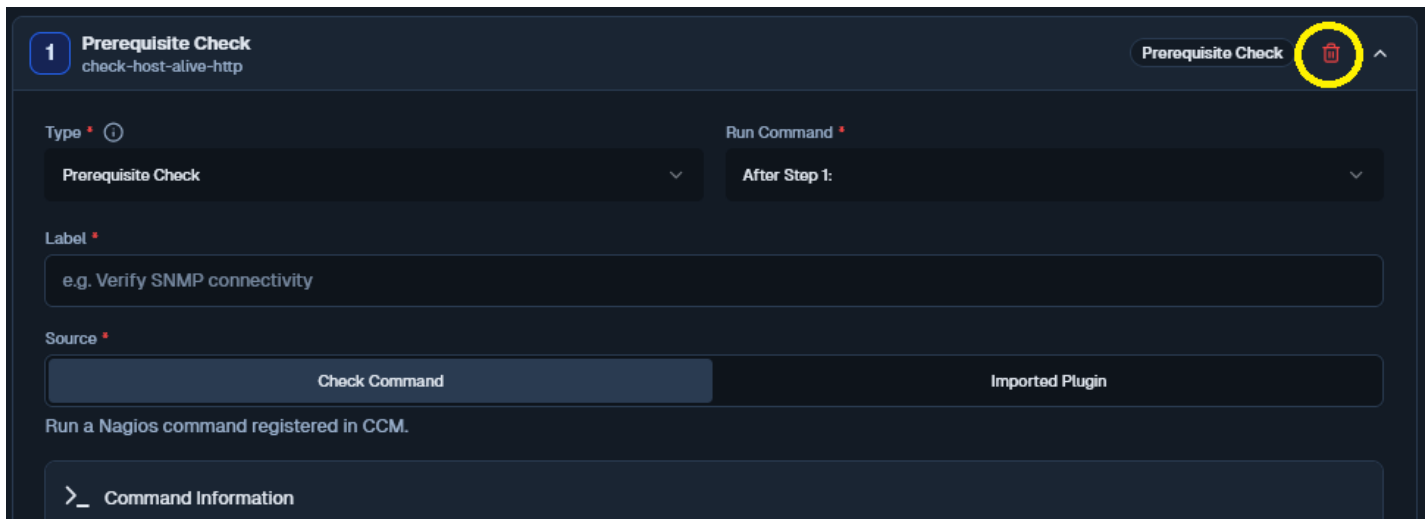
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To add a new Check or Discovery, click **+ Add Check or Discovery**.



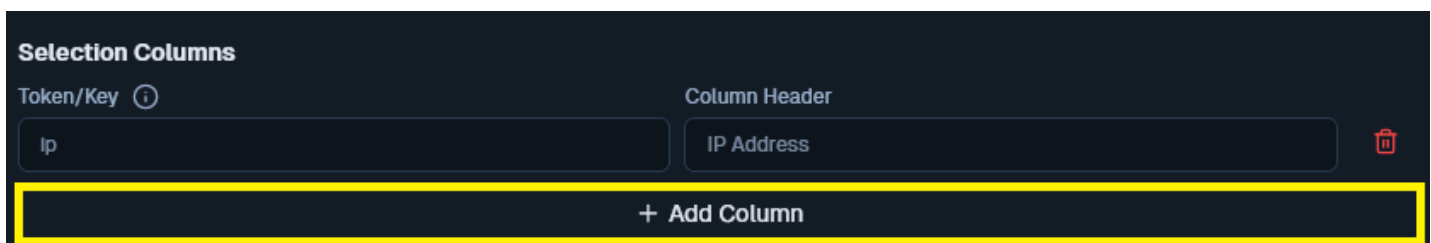
The screenshot shows the 'Prerequisite Checks & Object Discovery' configuration page. At the top, there are tabs for 'General', 'Steps & Fields', 'Hosts & Services', 'Prerequisites & Discovery' (selected), 'Plugins', 'Requirements', and 'JSON'. Below the tabs, the title 'Prerequisite Checks & Object Discovery' is followed by a description: 'Define checks that run between steps. Each entry can be a Prerequisite Check (gates progression), or Object Discovery (dynamically generates services from a command).' There are two placeholder variables: '({host_name})' and '({address})'. Below these, a message states 'No entries configured. Add a check or discovery action.' At the bottom, a yellow rectangle highlights the '+ Add Check or Discovery' button.

To remove a Check or Discovery, click the trash icon on the upper-right of the Check/Discovery card.



The screenshot shows a 'Prerequisite Check' configuration card. The card has a title '1 Prerequisite Check' and a subtitle 'check-host-alive-http'. In the top right corner, there is a 'Prerequisite Check' label and a trash icon, which is highlighted with a yellow circle. Below the title, there are two dropdown menus: 'Type' (set to 'Prerequisite Check') and 'Run Command' (set to 'After Step 1:'). There is a 'Label' field with the placeholder text 'e.g. Verify SNMP connectivity'. Below the label, there are two tabs: 'Check Command' (selected) and 'Imported Plugin'. Under the 'Check Command' tab, there is a text area for 'Run a Nagios command registered in CCM.' and a button labeled '>_ Command Information'.

To add a column to the Selection Columns for an Object Discovery command, click **Add Column**.



The screenshot shows the 'Selection Columns' configuration page. It features a table with two columns: 'Token/Key' and 'Column Header'. The 'Token/Key' column contains the value 'ip'. The 'Column Header' column contains the value 'IP Address'. To the right of the 'Column Header' column, there is a trash icon. Below the table, a yellow rectangle highlights the '+ Add Column' button.

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To remove a column from the Selection Columns, click the red trash icon on the right of the card for the corresponding column.

Token/Key ⓘ	Column Header	
ip	IP Address	
ip	IP Address	

+ Add Column

Plugins

Imported Plugins are wizard-specific plugins that are to be used as prerequisite checks and object discovery commands. Importing here is helpful for situations where you may want to include a plugin for the sole purpose of use in configuration wizards, but not as a check command. This section allows you to import a plugin from your PC either as a check command or as an Imported Plugin and manage plugins that have been imported.

To import a plugin, click **Import Plugin** and follow the steps in the dialog.

General Steps & Fields Hosts & Services Prerequisites & Discovery **Plugins** Requirements JSON

Plugins

Plugins that are imported into a directory shared between wizards. Plugins here can be used as a Nagios Plugin for Prerequisite Checks, or as Discovery Plugins for Object Discovery. Please note that check commands defined at \$USER1\$ (Nagios libexec) will not appear at this list

Imported Plugins

Search...

View << < 1 of 1 > >>

Plugin	Actions
discover_snmp_interfaces_example.sh	...

<< < 1 of 1 > >>

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Requirements

This section allows you to define requirements for running the current wizard. Each input expects a newline separated set of file/package names. The following inputs correspond to the following checks

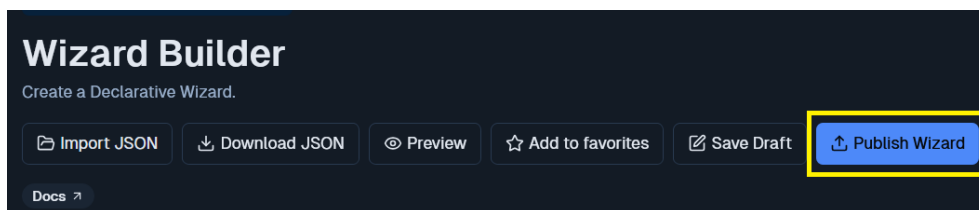
- **Imported Plugins:** Checks for the existence of a file with the provided name for each given item in the Imported Plugins directory.
 - This directory can be found at `[install location]/html/includes/configwizard_plugins/`
- **Nagios Plugins:** Checks for the existence of a file with the provided name for each item in the Nagios Plugins directory.
 - By default this is `/usr/local/nagios/libexec`
- **Packages:** Checks for the existence of external packages that may be needed by the wizard.
- **Custom Error Message:** Optional message shown when requirements are not met.

JSON Preview

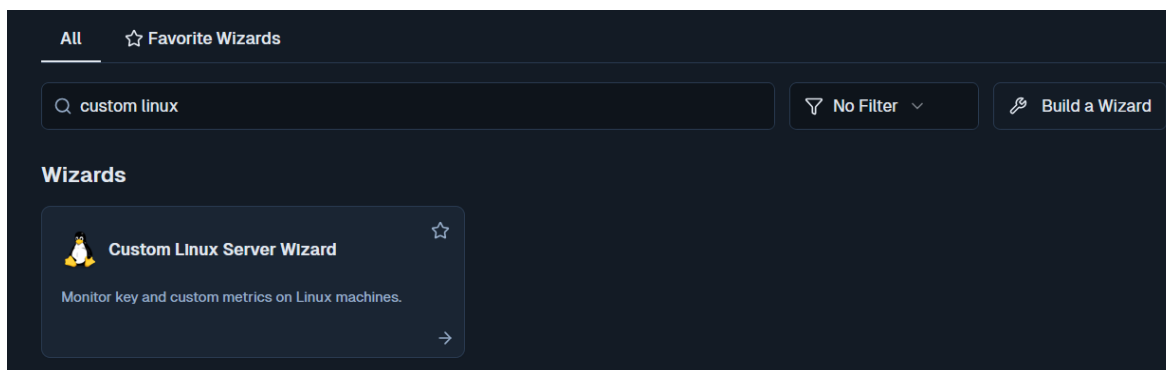
This section allows you to view the raw JSON that is built from within the Wizard Builder.

Publishing Your Wizard

Once you've configured all of the necessary settings, click **Publish Wizard**.



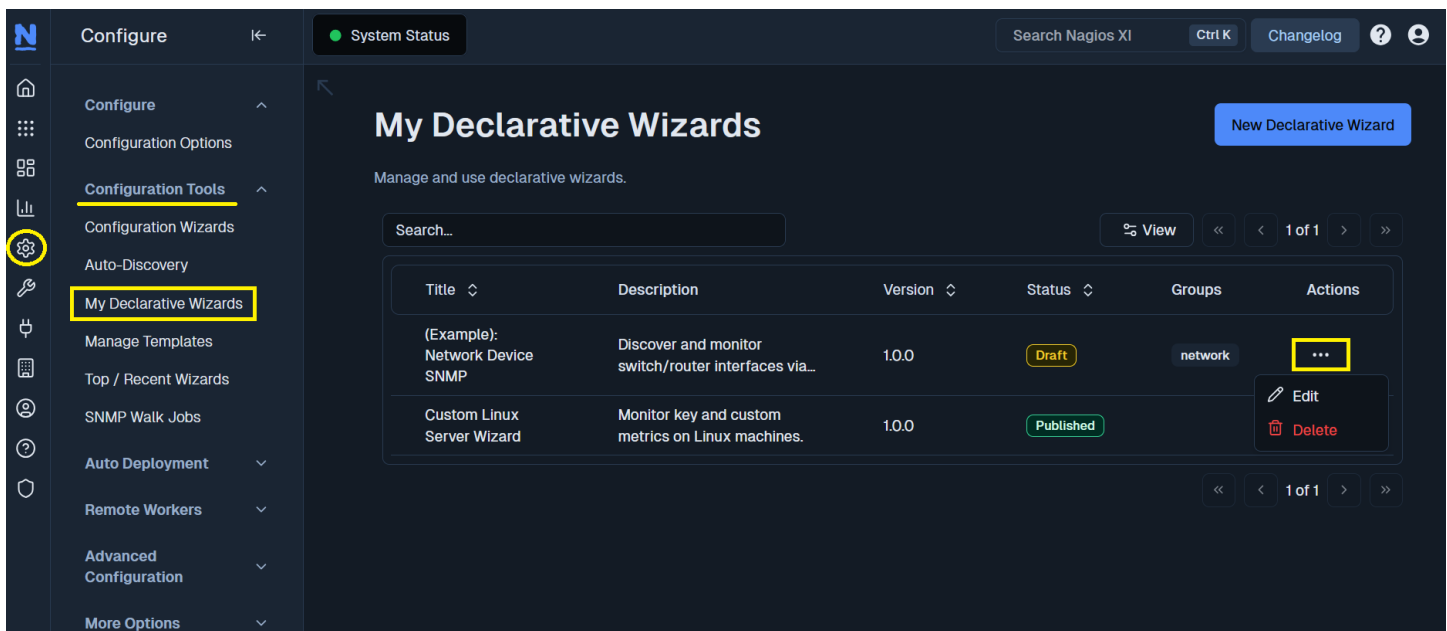
Your new wizard will now appear in the Configuration Wizards gallery.



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Managing Declarative Wizards

To edit or delete your custom wizards, navigate to **Configure > Configuration Tools > My Declarative Wizards**.



The screenshot displays the Nagios XI web interface. In the left-hand navigation menu, the 'Configure' section is expanded, and 'My Declarative Wizards' is highlighted. The main content area is titled 'My Declarative Wizards' and includes a search bar and a 'New Declarative Wizard' button. Below this is a table listing the configured wizards.

Title	Description	Version	Status	Groups	Actions
(Example): Network Device SNMP	Discover and monitor switch/router interfaces via...	1.0.0	Draft	network	...
Custom Linux Server Wizard	Monitor key and custom metrics on Linux machines.	1.0.0	Published		Edit, Delete

Finishing Up

This completes the documentation on Using the Wizard Builder in Nagios XI. If you have additional questions or other support-related questions, please visit the Nagios Support Forum, Nagios Documentation Hub, or Nagios Library:

[Visit Nagios Support Forum](#)

[Visit Documentation Hub](#)

[Visit Nagios Library](#)