Purpose

This document explains how to utilize the different features of the Nagios® XI™ interface to view detail information about hosts and services. The Details menu offers many different ways to view the status of your hosts and services. In larger environments users may want to view status by host or service group, yet smaller environments may prefer to view status by device.

Target Audience

This document is intended for use by Nagios Administrators and Users.

Details Menu Overview

Nagios XI provides several options for viewing host and service details in your monitoring environment. Details can be viewed by:

- Individual Hosts or Services
- Host or Service Group Summaries
- Host or Service Group Overviews
- Host or Service Group Grids

You can access the Details menu by clicking on the Home menu item, then select the Details sub-menu to select your different viewing options.

Service Detail

The Service Detail page displays a complete list of all services currently being monitored in a table format. Services are color-coded based on their status.

To see more information about a particular service, click a link in the Service column to access the Service Status Detail page.
To view the Host Details of a particular host, click a link under the Host column.

The Service Status Detail page gives access to all of the statistics for that service, accessible via multiple tabs. The Overview is the first tab that is displayed.

**Overview**

Displays basic service information such as state, duration service has been in this state, stability (hard or soft state), last check time and next check time.

Quick Actions allows Disable/Enable notifications as well as being able to force an immediate check. Other actions defined in the Actions component will appear in this list.

Any Acknowledgments or Comments will appear on the Overview tab.
Performance Graphs
Displays graph for the service (Last 24 Hours by default).

A Gauge will also be displayed if the performance data contains warning and/or critical thresholds.

The graph data is pulled from the round robin database (RRD), hence values will be averaged as you look at performance graphs for larger time periods (weeks, months).

The gauge data is taken from the last check result received by the service when it was populated into the RRD file. The data is in an accompanying XML file in the same directory as the RRD file.

If the service does not produce performance data, the tab will still appear but no graphs will be shown.

Advanced
The Advanced Status Details table shows more detailed information about the service.

The Service Attributes table displays the current state of each attribute as well as the ability to enable or disable the attributes. In the state column, if an attribute is:

- Enabled then the circle will be a green color AND in the Action column the ✗ can be clicked to disable the attribute
- Disabled then the circle will be a gray or red color AND in the Action column the ✓ can be clicked to enable the attribute
The **Commands** table allows you to:

- Add comment
  - Create a comment that will appear on the Overview tab.
- Schedule downtime
  - Define scheduled downtime for the service.
- Submit passive check result
  - Allows you to manually define the state of the service, most useful with Passive services. If this is an active service then the check result you submit will be overwritten by the check results of the next service check interval.
- Send custom notification
  - This will send a custom notification to all the contacts configured to receive notifications for this service.
- Delay next notification
  - This allows you to delay the next problem notification that is sent out for the specified service. The notification delay will be disregarded if the service changes state before the next notification is scheduled to be sent out. This has no effect if the service is currently in an OK state.

Under **More Options** there is also a link [View in Nagios Core](#) for those more familiar with the Nagios Core layout.

**Service Status Detail**

<table>
<thead>
<tr>
<th>Total Processes</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>localhost</strong></td>
</tr>
</tbody>
</table>

**Advanced Status Details**

- **Service State**: Ok
- **Duration**: 157s 5m 33s
- **State Type**: Hard
- **Current Check**: 1 of 4
- **Last Check**: 2016-11-11 17:27:40
- **Next Check**: 2016-11-11 17:32:40
- **Last State Change**: 2016-04-28 11:24:42
- **Last Notification**: Never
- **Check Type**: Active
- **Check Latency**: 0 seconds
- **Execution Time**: 0.01104 seconds
- **State Change**: 0%
- **Performance Data**: proc=107;400;500;0;

**Service Attributes**

<table>
<thead>
<tr>
<th>Attribute</th>
<th>State</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Active Checks</td>
<td><img src="#" alt="Green" /></td>
<td><img src="#" alt="X" /></td>
</tr>
<tr>
<td>Passive Checks</td>
<td><img src="#" alt="Green" /></td>
<td><img src="#" alt="X" /></td>
</tr>
<tr>
<td>Notifications</td>
<td><img src="#" alt="Green" /></td>
<td><img src="#" alt="X" /></td>
</tr>
<tr>
<td>Map Detection</td>
<td><img src="#" alt="Green" /></td>
<td><img src="#" alt="X" /></td>
</tr>
<tr>
<td>Event Handler</td>
<td><img src="#" alt="Green" /></td>
<td><img src="#" alt="X" /></td>
</tr>
<tr>
<td>Performance Data</td>
<td><img src="#" alt="Green" /></td>
<td><img src="#" alt="X" /></td>
</tr>
<tr>
<td>Obsession</td>
<td><img src="#" alt="Green" /></td>
<td><img src="#" alt="X" /></td>
</tr>
</tbody>
</table>
Configure

For standard services you have the ability to re-configure or delete the service.

If the service utilizes any advanced features, such as being assigned to multiple hosts then you will not be able to use either option, you will receive an error. You will need to use Core Config Manager (CCM) to make any changes instead.

When using re-configure the options available are similar to a configuration wizard.
Capacity Planning

Capacity planning allows you to predict future trends based on the existing performance data.

Use the gear icon on the far right to change options such as **Time Period** and **Extrapolation Method**.

Capacity planning is only available for services that have performance graphs.

Free Variables

Free variables are an advanced feature of Nagios Core that allows custom directives with values to be stored in a service object.

If your service has any free variables defined then they will appear here in a table for your reference.

Network Traffic Analysis

This tab connects to Nagios Network Analyzer to provide traffic reporting.
Host Detail

The Host Detail page displays a complete list of all hosts currently being monitored in a table format. Hosts are color-coded based on their status. To see more information about a particular host, click a link in the Host column to access the Host Status Detail page.

The Host Status Detail page gives access to all of the statistics for that service, accessible via multiple tabs. The Overview is the first tab that is displayed.

Overview

Displays basic host information such as state, duration host has been in this state, stability (hard or soft state), last check time and next check time.
Quick Actions allows:

- Disable/Enable notifications
- Force an immediate check
- Ping the host
- Connect to the host (RDP, VCN, Telnet, SSH)
- Traceroute the host

Other actions defined in the Actions component will appear in this list. Any Acknowledgments or Comments will appear on the Overview tab.

Performance Graphs

Displays graph for the host object and the first four services for the host (Last 24 Hours by default). There is a link at the bottom More Performance Graphs that will allow you to browse all the performance graphs of the services assigned to the host.

A Gauge will also be displayed if the host object performance data contains warning and/or critical thresholds.

The graph data is pulled from the round robin database (RRD), hence values will be averaged as you look at performance graphs for larger time periods (weeks, months).

The gauge data is taken from the last check result received by the host when it was populated into the RRD file. The data is in an accompanying XML file in the same directory as the RRD file.
If the host does not produce performance data, the tab will still appear but no host graphs will be shown (service graphs will be shown if they exist).

Advanced

The Advanced Status Details table shows more detailed information about the host.

**Host Status Detail**

```
localhost
Alias: localhost
Hostgroups: test_schedule, linux-servers, hostgroup_localhost
```

### Advanced Status Details

<table>
<thead>
<tr>
<th>Attribute</th>
<th>State</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Host State</td>
<td>Up</td>
<td></td>
</tr>
<tr>
<td>Duration</td>
<td>165d 2h 49m 21s</td>
<td></td>
</tr>
<tr>
<td>State Type</td>
<td>Hard</td>
<td></td>
</tr>
<tr>
<td>Current Check</td>
<td>1 of 10</td>
<td></td>
</tr>
<tr>
<td>Last Check</td>
<td>2016-11-14 14:19:12</td>
<td></td>
</tr>
<tr>
<td>Next Check</td>
<td>2016-11-14 14:24:12</td>
<td></td>
</tr>
<tr>
<td>Last State Change</td>
<td>2016-06-02 10:31:04</td>
<td></td>
</tr>
<tr>
<td>Last Notification</td>
<td>Never</td>
<td></td>
</tr>
<tr>
<td>Check Type</td>
<td>Active</td>
<td></td>
</tr>
<tr>
<td>Check Latency</td>
<td>0.0001 seconds</td>
<td></td>
</tr>
<tr>
<td>Execution Time</td>
<td>0.00093 seconds</td>
<td></td>
</tr>
<tr>
<td>State Change</td>
<td>0%</td>
<td></td>
</tr>
</tbody>
</table>

### Host Attributes

<table>
<thead>
<tr>
<th>Attribute</th>
<th>State</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Active Checks</td>
<td>✔</td>
<td>✗</td>
</tr>
<tr>
<td>Passive Checks</td>
<td>✔</td>
<td>✗</td>
</tr>
<tr>
<td>Notifications</td>
<td>✔</td>
<td>✗</td>
</tr>
<tr>
<td>Flap Detection</td>
<td>✔</td>
<td>✗</td>
</tr>
<tr>
<td>Event Handler</td>
<td>✔</td>
<td>✗</td>
</tr>
<tr>
<td>Performance Data</td>
<td>✔</td>
<td>✗</td>
</tr>
<tr>
<td>Obsession</td>
<td>✔</td>
<td>✗</td>
</tr>
</tbody>
</table>

### Commands

- Add comment
- Schedule downtime
- Schedule downtime for all services on this host
- Forced immediate check for host and all services
- Submit passive check result
- Send custom notification
- Delay next notification

### More Options

- View in Nagios Core

The Host Attributes table displays the current state of each attribute as well as the ability to enable or disable the attributes. In the state column, if an attribute is:

- Enabled then the circle will be a green color AND in the Action column the ✗ can be clicked to disable the attribute
- Disabled then the circle will be a gray or red color AND in the Action column the ✔ can be clicked to enable the attribute
The **Commands** table allows you to:

- **Add comment**
  - Create a comment that will appear on the Overview tab.

- **Schedule downtime**
  - Define scheduled downtime for the host.

- **Schedule downtime for all services on this host**
  - Define scheduled downtime for all the services on the host (saves having to schedule each service individually).

- **Forced immediate check for host and all services**
  - Force Nagios XI to immediately perform the host check and all service checks.

- **Submit passive check result**
  - Allows you to manually define the state of the host, most useful with Passive hosts. If this is an active host then the check result you submit will be overwritten by the check results of the next host check interval.

- **Send custom notification**
  - This will send a custom notification to all the contacts configured to receive notifications for this host.

- **Delay next notification**
  - This allows you to delay the next problem notification that is sent out for the specified host. The notification delay will be disregarded if the host changes state before the next notification is scheduled to be sent out. This has no effect if the host is currently in an UP state.

Under **More Options** there is also a link **View in Nagios Core** for those more familiar with the Nagios Core layout.
Configure
For standard hosts you have the ability to re-configure or delete the host.
If the host utilizes any advanced features then you may not be able to use either option, you will receive an error. You will need to use Core Configuration Manager (CCM) to make any changes instead.
A host object cannot be deleted until all of the services assigned to it have also been deleted.

When using re-configure the options available are similar to a configuration wizard.

Configure Host
localhost
Note: You may update basic settings for the host below or use the Nagios Core Config Manager to modify advanced settings for this host. Host attribute values which are inherited from advanced templates are not shown below.

Attributes Monitoring Notifications Host Groups Host Parents

Change basic host settings.
Host Name: localhost
The unique name of the host.
Address: 127.0.0.1
The IP address or FQDN name of the host.

Update Cancel

Configure Host
localhost
Note: You may update basic settings for the host below or use the Nagios Core Config Manager to modify advanced settings for this host. Host attribute values which are inherited from advanced templates are not shown below.

Attributes Monitoring Notifications Host Groups Host Parents

Specify the parameters that determine how notifications should be sent for the host.

When a problem is detected:
- Don't send any notifications
- Send a notification immediately
- Wait: 15 minutes before sending a notification

If problems persist:
Send a notification every minutes until the problem is resolved.

Send alert notifications to:
- Host (adjusted settings)
- Other individual contacts
  - Default Contact (xi.default_contact)
  - Randomly (randomly)
  - Testuser (testuser)
  - Troy Lee (troyLee)

- Specific contact groups
  - All Contacts (xi_contactgroup_all)
  - Extra (Extra)
  - Nagios Administrators (admins)

Update Cancel
Capacity Planning

Capacity planning allows you to predict future trends based on the existing performance data.

Use the gear icon on the far right to change options such as Time Period and Extrapolation Method.

Capacity planning is only available for host and services that have performance graphs.

Each capacity planning graph is one data source from the performance graphs. For example a host ping check by default has rta / pl / rtmax /rtmin. In this example there will be four capacity planning graphs for the host object.
There will be capacity planning graphs created for the first five data sources available (host and service objects). There is a link at the bottom See the rest of the capacity planning graphs that will allow you to browse all the capacity planning graphs available.

**Free Variables**

Free variables are an advanced feature of Nagios Core that allows custom directives with values to be stored in a host object.

If your service has any free variables defined then they will appear here in a table for your reference.

**Network Traffic Analysis**

This tab connects to Nagios Network Analyzer to provide traffic reporting.

To see the more information about a particular host, select a link from the Host column to access the Host Status Detail page. You can also access the Service Status Detail page by selecting the service status icon.
Notes URL & Action URL

Both the Host and Service status pages provide icons for the Notes URL and the Action URL directives if they are defined on your objects. The screenshot below demonstrates examples of objects that have one or both of these directives defined. Clicking the icons will open the URLs in a new browser window/tab.

You can define these directives in CCM on the Misc Settings tab.
Host Status Summary and Service Status Summary

Common to many of the screens for host or services objects is the Summary tables at the top of the page.

These tables provide an overall status of all the host and service objects. Clicking on any of the numbers will take you to the status screen filtered to that type. In the screenshot, clicking **Unknown** number 24 will show you all services with an unknown state.

These tables can be added to a Dashboard by clicking the Add To Dashboard icon.

Common Navigation Controls

Both the Host and Service Detail pages use a set of icons to access additional information and settings.

- Navigates you to the Service Status page for that host. If the host does not have any services then this icon will not be displayed.
- Navigates you to the Notification report for that host or service.
- Navigates you to the State History report for that host or service.
- Navigates you to the Availability Report for that host or service.
Hostgroup Summary and Servicegroup Summary

Host groups and Service groups created in CCM will be presented in a summary table. The Hosts and Services columns provide a breakdown of the objects, clicking the numbers will take you to the status screen filtered to that type.

There are two icons that provide the following functionality:

- Navigates you to the Service Status page for that host group or service group.
- Navigates you to the available Commands that can be performed against the members, such as:
  - Schedule Downtime For All Hosts or Services
  - Enable / Disable Notifications For All Hosts
  - Enable / Disable Notifications For All Services
  - Enable / Disable Active Checks Of All Services
Hostgroup Summary and Servicegroup Overview

Host groups and Service groups created in CCM will be presented in a summary table per group.

The Services column provides a breakdown of the objects, clicking the numbers will take you to the status screen filtered to that type.

The icons provide the same functionality as described in the Summary section.
Hostgroup Grid and Servicegroup Grid

Host groups and Service groups created in CCM will be presented in a summary table per group.

The Services column shows all of the objects in that hostgroup or servicegroup, clicking a host or service will take you to the status screen for that object.

The icons provide the same functionality as described in the Summary section.

Common Navigation Controls

Each Summary page also has an additional set of navigation control icons to quickly access different detail views for the service or host group.

- Navigates you to the Service Status page
- Navigates you to the Hostgroup or Servicegroup Summary page
- Navigates you to the Hostgroup or Servicegroup Overview page
- Navigates you to the Hostgroup or Servicegroup Grid page
BPI

The BPI menu option navigates you to the Nagios Business Process Intelligence component. Please refer to the [Using Nagios BPI](#) documentation for full details.

Metrics

The **Metrics** menu option navigates you to the **Metrics** component. This component allows you to view common metrics from all available services (*with valid data*).

Metrics Summary

On the screenshot above you can see the Summary tab is being displayed (the default). At the top of the screen are drop down lists so you can filter the summary results, in this case the **Disk Usage** metric is shown. The Metrics component will only display services in the list that it can correctly detect as being a disk usage based service, hence why some services will not be displayed in this list.
Metrics Graphs

The Graphs tab will display the services in a graph format. In the following screenshot you can see that a timeframe of **Last 24 Hours** looks static due to the nature of disk usage however the screenshot gives you an example of what to expect.

Metrics Gauges

The Gauges tab will display the services as dashlets that show the metric along a horizontal line. The current state of the service will be the background color of the line and you can see that the warning and critical thresholds are indicated with a vertical line.

Any one of these metrics can be added to a **Dashboard** by clicking the **Add To Dashboard** icon.

Finishing Up

This completes the overview for host and service details in Nagios XI.

If you have additional questions or other support related questions, please visit us at our Nagios Support Forums:

https://support.nagios.com/forum

The Nagios Support Knowledgebase is also a great support resource:

https://support.nagios.com/kb