

Using the Navigator

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Navigator Overview






The Navigator provides a hierarchical view of your enterprise. At the highest level you can get a high level overview of the status of your monitored environment. From there you can navigate to specific monitored resources to check activity and investigate problems.

Types of Navigator Views

Navigator Physical View








The default Navigator view is Physical and shows the hierarchy of your monitored enterprise. The Navigator Physical view is a discovered view: as new managed systems come online or when they become disconnected, the view is adjusted accordingly.

Table 1: Hierarchy of monitored enterprise

	Enterprise , or root, level contains all managed systems
	Platform is the operating system
	System , or node, is the name of the computer or z/OS image
	Agent type. Multiple instance agents have child items; some are grouped into one folder
	Resource category being monitored

Here is an example of a system named JDOE, running on Windows, with the Windows OS agent.


Table 2: JDOE enterprise example


	Enterprise
	Windows Systems
	JDOE
	Windows OS
	Disk
	Monitoring Services
	Memory

You can collapse the tree by double-clicking the  Enterprise item, and expand it by double-clicking again.



Custom Navigator Views

Your Marvel Enterprise Portal configuration can also have custom-designed Navigator views. These views are selectable from the Navigator toolbar, navigable and show event indicators (described below) in the same way as the Navigator Physical view. Unlike the Navigator Physical view, custom Navigator views can be edited. You can, for example, design a Navigator view for Manufacturing and another for Marketing.

Your user ID can be assigned to all or a subset of the defined Navigator views, and your access in any of these views can be restricted to a certain branch. To see the list of available Navigator views, click the  list box in the Navigator toolbar.


A small white cross over a Navigator item icon means one or more other Navigator items share the characteristics of that item. This happens when an item from one Navigator view has been copied to another Navigator view. All the managed systems, workspaces, link definitions, situations, and policies associated with the original (source) item are applied to the new item. And from then on, changes to one item (such as a new workspace is added) are applied to the other. Right-click a Navigator item and click  **Show Navigator List** to see the other Navigator views it is contained in.

Navigator Logical View



Users initially have one custom Navigator view called Logical with a single Navigator item for  Enterprise. Click the  list box and select the Navigator Logical view from the list.

Expanding the Navigator in Increments


✚ More indicators in the Navigator keep the tree compact. Click the indicator to open that branch of the tree. You can specify how many items to expand at one time.

When clicking  **Expand** on a Navigator branch of more than, by default, 25 child items, you are prompted to enter the number to expand at one time.

1. Set the number of items to expand:

- If the **Expand child items** window is not open, right-click the **Navigator** item whose child items you want to expand incrementally and click  **Expand**.
- Enter the number to expand and click **OK** to open that number of child items.
- Click  **More** when you want to open the next group of child items.

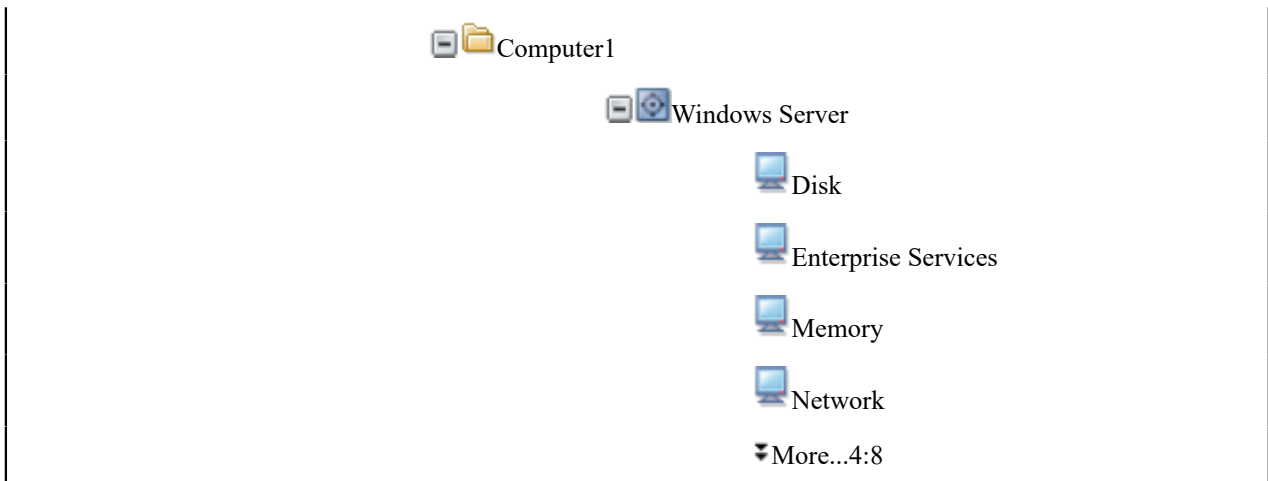
2. Expand child items.

You can expand all the child items of a Navigator item. The entire branch does not expand, just the children of the selected item. If the **Expand child items** window is not open, right-click the **Navigator** item whose child items you want to expand and click  **Expand Child Items**.

In large managed environments the expand feature helps you control the Navigator display and its performance. In this example, the expansion limit of 4 was chosen for the Windows Server child items:

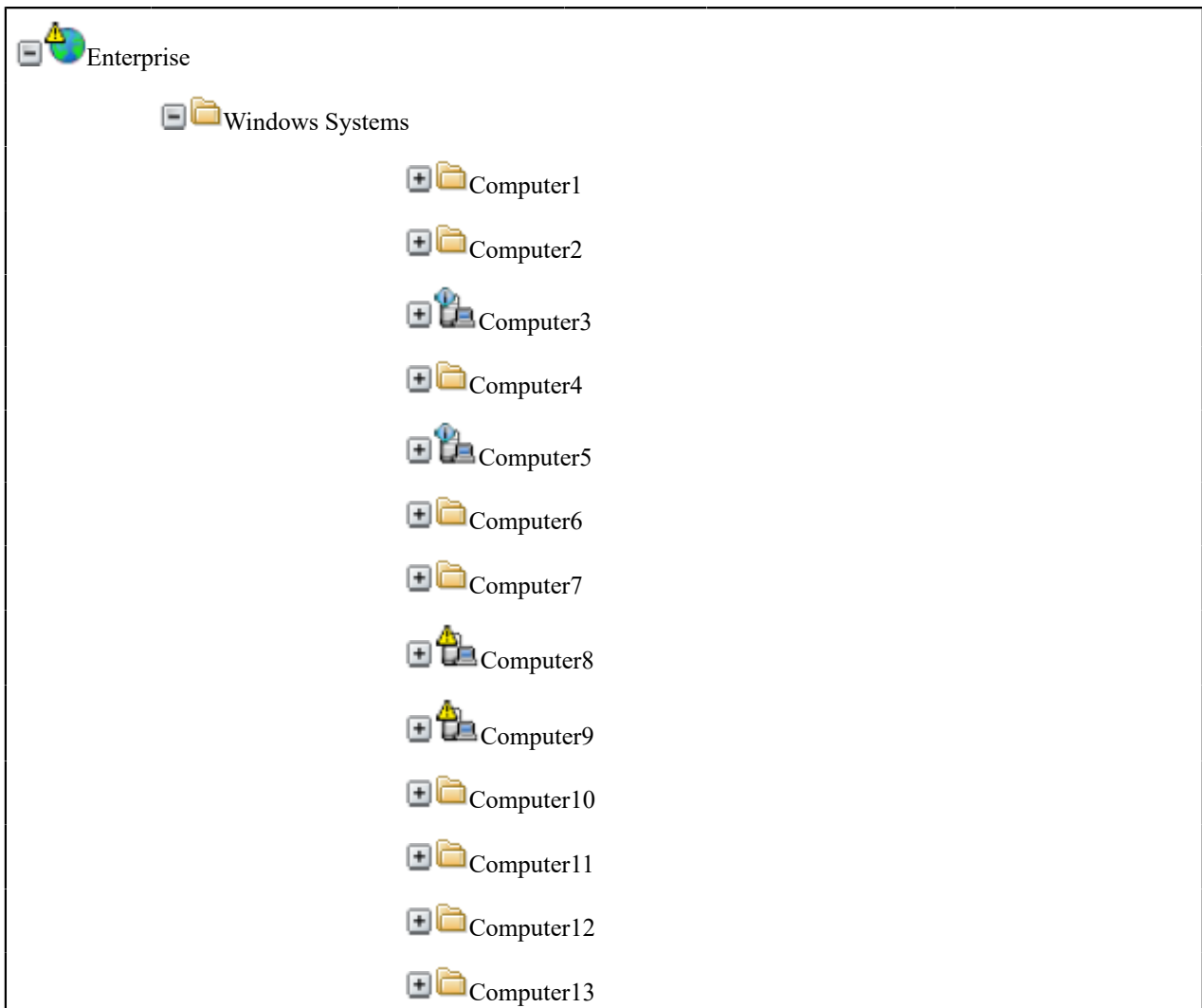
Table 3: Example: Expansion limit of 4 for the Windows Server child items

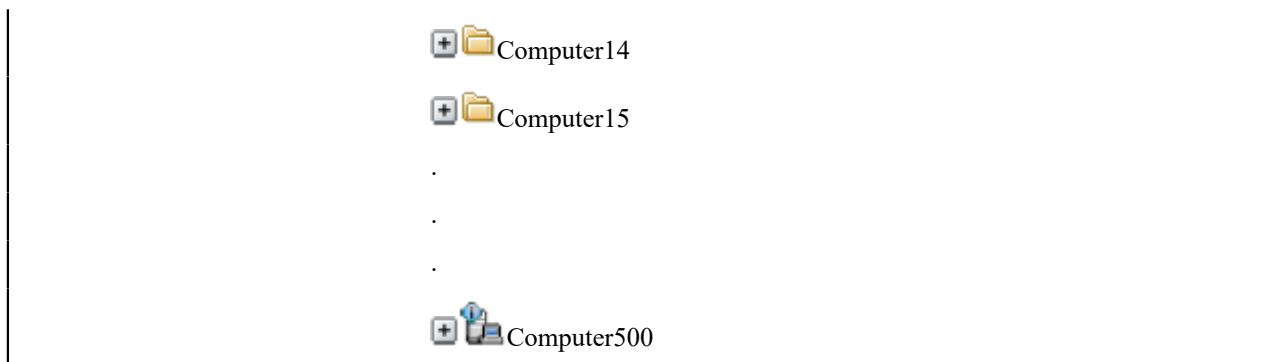
 Enterprise
 Windows Systems



This example illustrates the result of selecting Expand Child Items at the platform level of the Navigator. The site is monitoring 500 Windows-based systems. The user can quickly see which systems have situation events and at what severity.

Table 4: Example: Expanding Child Items at the platform level of the Navigator






Logical and Custom Navigator Views

A custom Navigator view can be designed to show the same managed system more than once. If you have a managed system repeated somewhere else in the Navigator view, when you use the expand feature on one Navigator item for that managed system, any other items for that managed system will expand at the same time.

Collapsing and Expanding the Navigator

To provide more space for workspace views, you can hide the **Navigator**, then restore it when you want to see it.

You can also save the workspace with the **Navigator** minimized.


- Click the **Collapse** bar on the right border to collapse the **Navigator** view.
You can also drag the right border if you prefer to manually adjust the **Navigator** width. The adjacent workspace views expand to fill the gap and the status bar shows the Navigator view icon and name in the right-most section.
- Either click the **Expand** bar on the left border or click  **<Navigator name>** in the status bar to restore the Navigator view.

There is an additional option to open a different Navigator view instead of restoring the original by right-clicking **<Navigator name>** to see and select from a list of available Navigator views.


Finding Navigator Items



The Navigator shows all the managed systems that run on an operating system and this list can get very long. Use the **Find** tool to locate **Navigator** items based on properties such as IP address or associated situations.

To find a Navigator item:

- Click  **Find** in the Navigator toolbar.
- Select the Navigator item from the **For Navigator** list if the item to search for is in a different Navigator view.
- Enter the values of the properties to search by:

Properties	Value
IP Address	(Distributed systems only) If you know the IP address, you can enter it here. Example: <code>SCAN == 9.55.1*</code> finds computers that start with 9.55.1, such as 9.55.105.180 and 9.55.110.180

Properties	Value
Hostname	(Distributed systems only) Specify all or part of the host name here. Example: <code>SCAN == MYHOST??</code> finds computers that start with MYHOST and have two trailing characters, such as MYHOSTEL and MYHOST33 but not MYHOSTA or myhostess.
SMFID Name	(z/OS-based systems only) Find the item by the session ID value.
Sysplex Name	(z/OS-based systems only) Specify the item by system complex name.
Product Code	Select the product name from the  list to specify the managed system type to find.
Managed System Name	The managed system name is often the same as the host name. Example: <code>SCAN == *UAGENT0?</code> finds Universal Agents Navigator items such as <code>onionASFSdp:UAGENT00</code> and <code>garlicASFSdp:UAGENT05</code> .
Associated Situation Name	Enter a <code>situation</code> name to find the Navigator items that the situation is associated with. (For an alert indicator to display in the Navigator for a situation that has become true, the situation must be associated with a Navigator item.)

4. Tick the ☐ **Include only managed system items** check box to show the found Navigator items at the agent level (and subagent if applicable) but to exclude the child Navigator items (attribute level), .
5. Click **Advanced** and specify the page size to control the number of Navigator items to list per page in the find results.
The default is 100 rows per page. By reducing the number, you can have the results displayed more quickly and in smaller, more manageable pages; then move through the pages with  **Page down** and  **Page up**. By increasing the number, you increase the processing time but you can see all the results on one table page.
6. Click **Find**. The **Find results** area is appended to the window with a list of Navigator items that meet the criteria.
7. Click a Navigator item in the Find results area and click **Switch to** after selecting any or none of the following check boxes:

- ☐ **Open workspace in new window**

Keep the current workspace open and open the workspace at the selected Navigator item in a new window (or separate tab if you are in browser mode and your browser is configured for tabbed windows).

- ☐ **Close after switching to workspace**

Close the **Find** window after opening the workspace for the selected Navigator item.

The default workspace for the selected Navigator item is opened.

In this example, the find criteria looks on the MySystem computers for Navigator items with associated situations that have "CPU" in the situation name.

Table 5: Find criteria





Properties	Value
IP Address	
Hostname	  'MySystem?'
SMFID Name	
Sysplex Name	
Product Code	
Managed System Name	
Associated Situation Name	  '*CPU*'

Table 6: Find results

Item	View	Item Path
Process	Physical	WindowsOS/MySystem1/ Windows Systems/ Enterprise
Processor	Physical	WindowsOS/MySystem1/ Windows Systems/ Enterprise
Process	Physical	WindowsOS/MySystem2/ Windows Systems/ Enterprise
Processor	Physical	WindowsOS/MySystem2/ Windows Systems/ Enterprise


You can keep the window open to switch between one found Navigator item and another or to change the criteria and find other Navigator items.

Removing an Offline Managed System Navigator Item

Use the Managed System Status workspace to clear offline managed systems from the Navigator view.




When a monitoring agent goes offline or its host name gets changed, its branch is dimmed in the Navigator, as in the following example, and its status is shown as *OFFLINE in any table view that uses the Current Managed Systems status query.

Table 7: Hierarchy of monitored enterprise

 Enterprise
 Windows Systems
 MyComputer

 **Universal Agent** **Windows OS**

Procedure

1. Click the  **Enterprise Navigator** item.
The default workspace opens.
2. Click  **Workspace gallery**, scroll to **Managed System Status**, and click the **workspace**.
3. Right-click an ***OFFLINE** row, then click  **Clear offline entry**.

The offline entry is now cleared from the Navigator until the managed system comes online.

If this is a custom Navigator view with only one managed system, it is possible for the item to continue to appear in the view. This is possible when the item was added using drag-and-drop in the Navigator editor. Use the Navigator editor to manually remove the item, described in [Deleting a Navigator view or item](#). If the managed system comes online again, it does not appear in the custom Navigator view. If you want it to appear there, assign the managed system in the Navigator item properties as described in [Navigator item properties](#).

What to do Next

If this is a custom Navigator view with only one managed system, it is possible for the item to continue to appear in the view. This is possible when the item was added using drag-and-drop in the Navigator editor. Use the Navigator editor to manually remove the item, described in [Deleting a Navigator view or item](#). If the managed system comes online again, it does not appear in the custom Navigator view. If you want it to appear there, assign the managed system in the Navigator item properties as described in [Navigator item properties](#).

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