# **Tour the Interface**

Now that you have set up some sample Elements, in the coming modules, you can perform some common Uptime Infrastructure Monitor tasks using these Elements. However, before continuing, let's have a quick tour of the Uptime Infrastructure Monitor UI from an administrator's perspective. Specifically, take a look at the main panels, whose respective contents center around a particular function

# My Infrastructure

Dashboards My Portal	My Infrastructure	Services	Users	Reports	Config	Search Uptime	admin 👻 SysList Help
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Add Service Level Agreement	My Infrastructure						Collapse /
Infrastructure Groups	⊕ march			448)			

We are already familiar with My Infrastructure, where you manage your Elements by performing actions such as the following:

- organize Elements into Element Groups to facilitate various administrator activities (for example, in one action, you can flag 30 systems as "in maintenance" to prevent alerts from generation)
- organize Elements into Views that ensure different Uptime Infrastructure Monitor users can see the systems they are responsible for (for example, a View consisting of all Linux systems can be viewed by any user in the Linux administration user group; this View could have child Views that further refine the Linux systems by function, and can be viewed by more specialized Linux user groups)
- · add Elements to your monitored inventory either manually, or using auto discovery (as you did in the previous module)

As the administrator, this panel is your management center for Elements. There is a complementary panel for the service monitors that are attached to to these systems, and perform the actual monitoring, data gathering, and alerting.

## Services

Uptime Infrastructure Monitor uses a diverse library of service monitors. Service monitors perform various roles:

- collect data from monitored Elements for graphing and reporting
- compare incoming data with configured alert thresholds
- · connect to an Uptime Infrastructure Monitor Agent to perform system-level tasks after an alert

A service monitor can be linked to an Element either directly, by manually attaching the former to the latter, or indirectly, by linking higher-level Uptime Infrastructure Monitor objects such as Element Groups (which you first saw when you added a VMware vCenter Server as an Element in the previous modules) and *Service Groups* (which are groups of service monitors).

View Service Monitors     Add Service Monitor	Add Service Monitors to a system	Add Alert Profiles to notify users						
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View Service Groups								
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View Action Profiles	together to make a template	to generate events						
Add Action Profile								
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Add Topological Dependency								
aintenance Scheduler	🛅 📝 🔛 👔 Default up.time data store	localhost		MySQL (Basic Checks)				
View Maintenance Profiles	Default up.time web server	localhost		HTTP (Web Services)				
Add Maintenance Profile	PING-10.1.52.13	10.1.52.13		Ping				
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Assign Maintenance to Host	📄 🛃 🏚 🥼 PING-build-bamboo	build-bamboo		Ping				
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Assign Maintenance to Service	📄 🛃 🏚 🥼 PING-build-linux-02	build-linux-02		Ping				
onitoring Periods	Showing 1 to 10 of 45 entries		First Previou	s 1 2 3 4 5 Next Las				
View Monitoring Periods								
Add Monitoring Period								

It is on this **Services** panel that you can create and manage any of the out-of-the-box service monitors, as well as search for additional plugin monitors found at The Grid. You can also configure other Uptime Infrastructure Monitor objects that allow you to manage monitoring-related activities:

- bundle a stack of service monitors into a Service Group that can be collectively assigned to Elements
- · configure different types of Alert Profiles and Action Profiles that run when service monitors raise alerts
- indicate hierarchies using Topological Dependencies, to prevent a service monitor on a dependent Element from sending alerts when a parent Element's service monitor is already doing so
- avoid false positives by defining Maintenance Profiles to indicate when service monitors shouldn't watch Elements for status changes, and Monitor ing Periods for when they should

In the next module, you work a bit with service monitors, as well as Service Groups.

# Config

Dashboards My Portal	My Infrastructure Services Users Reports	Config Search Uptime admin - SysList He
Config	Uptime Information	
License Info	Available Updates	License Status
User Authentication	You are currently using the latest version of Uptime	You are using a temporary license.
Archive Policy		
Mail Servers	License Notifications	
Remote Reporting		
Problem Reporting	Select notification group to contact in the event of a vSync license	error NotifySysAdmins
Global Element Settings		
Bulk Element Conversion	License Information	
VMware VCenter Orchestrator	You are currently using licenses for 43 out of 101 elements.	
Uptime Configuration	License key:	
P Optime Comigaration	FEATURE elements uptime 7.0 01-jul-2015 uncounted HOSTID= NOTICE="UD00303 9999-99" SN=100 TS_OK_SIGN="01D5_1E	
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	ECDP 6P/3 51A2 0804 3855 1ECA	
	Update License	
	Your hostid for this system (required for permanent licenses) is:	
	<pre>lmhostid - Copyright (c) 1989-2012 Flexera Softw is "005056a6002c"</pre>	are LLC. All Rights Reserved. The FLEXnet host ID of this machi

The **Config** panel is where administrators configure the Monitoring Station. For example, in the previous module, you created global Element settings on this panel to define common configurations to communicate with the Uptime Infrastructure Monitor Agent, your WMI implementation, and SNMP network devices. Similarly, you would define how the Monitoring Station connects other platforms and applications, such as the mail server that sends alerts to users; or whether Uptime Infrastructure Monitor instance that offloads report generation tasks exists. It is also here that you manage the Monitoring Station's internal configuration (for example, which types of collected data are archived, or the number of Java threads are allocated to service monitors).

## Users

Dashboards My Portal	My Infrastructure	Services <b>Users</b> Rep	oorts Config S	earch Uptime	admin 👻 SysList Help
sers	Users				
View Users	Last Nan	ne First Name	Username	User Group(s)	User Role
Add New User	🗋 🛃 🔒 Administ	rator Uptime	admin	SysAdmin User Group	superadmin
View Distribution Lists	🗋 📝 🐧 User	Sample	sample	SysAdmin User Group	user
Add New Distribution List					
ser Groups					
View User Groups					
Add New User Group					
otification Groups					
View Notification Groups					
Add New Notification Group					
ser Roles					
View User Roles					
Add New User Role					

User access in Uptime Infrastructure Monitor results from the properties of three overlapping constructs: user profiles, user roles, and user groups. It's on this **Users** panel that you can manage all of these to ensure all Uptime Infrastructure Monitor users are able to see the appropriate parts of the monitored infrastructure, and perform the appropriate types of actions.

In the fourth modules, you work a bit with users and user groups.

## Reports, My Portal, Dashboards

The contents of these panels are primarily for Uptime Infrastructure Monitor's end users

The **Reports** panel is where users can draw on metrics stored in the Uptime Infrastructure Monitor database to generate reports in real-time, or configure reports for scheduled generation and delivery to specific users and user groups (for example, weekly summary reports for managers).

Dashboards My Portal M	ly Infrastructure Services Users Reports Config Search Up	ime	admin 💌 SysList Help
Performance and Analysis	Resource Usage		
<ul> <li>Resource Usage</li> <li>Resource Hot Spot</li> <li>Resource Cold Spot</li> <li>Multi-System CPU</li> </ul>	Specific Date and Time         Date Range:         VYVY-MM-DD         HH:MM:SS           Last         From:         2015-11-10         00:00:00           Quick Date         To:         2015-11-10         23:59:59		
CPU Utilization Summary	Report Options (Select All Options )		
<ul> <li>CPU Utilization Ratio</li> <li>Walt I/O</li> </ul>	Image: Contract of the second seco	ace Graph	Multi-CPU
Inventory Report	Network I/O		TCP Retransmits
Service Monitor Metrics	Free Memory Page Scanning	Stats	Disk Statistics
Capacity Planning	File System Capacity Workload (Top	10 - CPU)	Workload (Top 10 - Memsize)
Enterprise CPU Utilization	Workload (Top 10 - RSS) Network Devic	e Interfaces	
File System Capacity Growth			
<ul> <li>Server Virtualization</li> <li>Solaris Mutex Exception</li> </ul>	Group report options by system		
<ul> <li>Solaris Mutex Exception</li> <li>Network Bandwidth</li> </ul>	List of Groups (Select All Groups 🗌 , Include Subgroups 🗹 )		
Disk I/O Bandwidth	List of Groups (Select All Groups		
CPU Run Queue Threshold	My Infrastructure		
▶ File System Service Time			
Service Level Agreements	List of Views (Select All Views 🗌 )		
SLA Summary	There are currently no views applicable for this report.		
SLA Detailed	List of Elements (Select All Elements 🗌 )		
Availability			
<ul> <li>Server Uptime</li> <li>Application Availability</li> </ul>	10.1.52.153     Cisco 7200 R     (rd-snmpsim23	outer (rd-snmpsim23.rd.local) [[] rd.local)	Cisco Core Router (rd-snmpsim27.rd.local)
Application Availability     Incident Priority	ga-76-scrutiniz (qa-76-scrutiniz.rd.local)	cal	
<ul> <li>Enclosent Priority</li> <li>Service Monitor Availability</li> </ul>			
Service Monitor Outages	Generate Now		
Applications	Email Print to Screen PDF to Screen XML to Screen		
▶ WebSphere	User:		
▶ WebLogic	Group:		
VMware vSphere	Distribution List:		
▶ VM Workload	Email Address:		
▶ VM Sprawl	Administrator, Uptime (admin)		
VM Workload (legacy)			
VM Density (legacy)	Save Report		
Datastore Capacity Growth	Save Report		
PSeries ► LPAR Workload	Save to My Portal As: Description:		
Report Logs	HTML Dublick Report     Scheduled Report (Run a	at 05 👻 : 54 💌 )	
Report Log	HTML Publish Report Scheduled Report (Run 4     Daily	Every 1 day(s)	
Published Reports	XML     Weekly	Every Weekday	
	Email Monthly	ment	
	Save Report	*****	

You can generate a couple of reports in the fifth module of this guide.

The My Portal panel is an ideal landing page for users, as it aggregates Uptime Infrastructure Monitor alerts and scheduled reports meant specifically for that logged-in user.

For most users, the **Dashboards** panel is the heart of Uptime Infrastructure Monitor. *Dashboards* are templates on which collections of UI gadgets are arranged. These gadgets display historical or real-time data and render it in an interactive manner (for example, click-through for root-cause analysis).

Uptime Infrastructure Monitor comes with a host of core dashboards. The following dashboard examples include the modest number of Elements you added to your monitored infrastructure in the previous module.

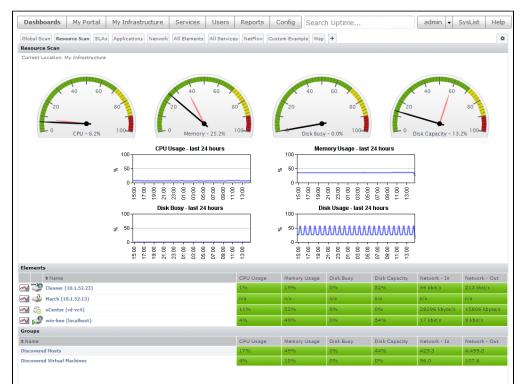
## **Network Dashboard**

This **Network** dashboard summarizes the performance of monitored network devices. As you can see, we have but the single network device we added in the previous module:

Dashboards	My Portal I	My Infrastructure	Services Us	ers Reports	Config	Search Uptime		admin 👻 SysList	Help
	ource Scan SLAs	Applications Network	All Elements Al	Services NetFlow	Custom Examp	le Map +			۲
Network									
Performance									
Bandwidth	- In Usage %	Bandwidth - Ou	it Usage %	Latency	(ms)	Errors (#/sec)		Discards (#/se	c)
20 20 0	60 80 0% 100	40 20 0.0%	60 80 100	5 0.0m	15 20 15 25	0.0/sec	20	0.0/sec	20
Device	In Usage	Device	Out Usage	Device La	atency	Device	Errors	Device	Discards
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## **Resource Scan**

This dashboard shows resource usage, useful in ensuring available capacity, for physical and virtual server-type Elements. Note the VMware vCenter Server Element you added in the previous module, along with its managed inventory of ESX hosts and virtual machines.



## **Global Scan**

This dashboard is a high-level status indicator of your entire infrastructure, showing resource usage and outages for all Elements. Your Elements are organized by groups, allowing you to click through down to individual Elements. This dashboard, along with Resource Scan, are good examples of how Element Groups and Views can help organize your monitored inventory for end-users.

Dashboar	ds My Portal	My Infrastru	cture	Services	Users	Reports	Co	nfig	Searc	h Uptin	ne			admin 👻	SysLis	t He
Global Scan	Resource Scan SLAs	Applications	Network	All Elements	All Service	NetFlow	Custor	m Examp	ple Map	+						
Global Scan																
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Helpful end-user content with dashboards and reports depends on well-organized Elements, service monitors, and users (and more) behind the scenes. In the next module we'll focus on the **My Infrastructure** and **Services** panels, and learn more about organizing your monitored inventory.

⚠

🚹 Pro Tip

Dashboards are meant to be customized. Additional gadgets are always added to The Grid.

Back: Add a Network Device

Next: Organize Services and Elements