



The Jalasoft Smart Management Pack for Cisco PIX Firewalls/ASA delivers enterprise ready monitoring of your network environment. You can monitor your network proactively and be aware of any potential problems that might occur, verify the status of your interfaces and ports, CPU load, traffic and much more. All information is forwarded efficiently to Microsoft System Center Operations Manager 2007 which creates a one stop interface to see the status of your servers and network infrastructure.

Alerts and performance data are visible in **OpsMgr 2007** and will help you take action and prevent any downtime.

A large number of **pre-defined** rules are provided with the Jalasoft Smart Management Pack for Cisco PIX Firewalls/ASA. Installation is quick and simple and starting to monitor your network is just a matter of dragging and dropping the rules on the specific devices.

This is made possible through the use of Xian Network Manager Io, the platform that runs the Smart Management Pack; no complicated programming or scripting is needed. You can also configure syslog filters to forward syslog alerts to OpsMgr 2007 and monitor single interfaces as an object, simplifying the monitoring of devices with distributed applications.

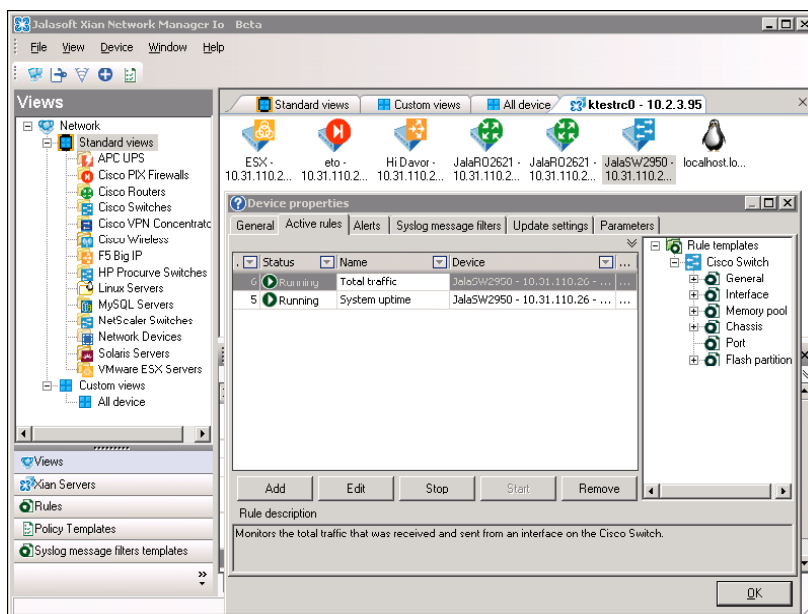
In order to analyze the behavior of the network device for a longer time, the Cisco PIX Firewalls/ASA Smart Management Pack has a set of reports that can be ex-

ecuted from the OpsMgr 2007 Reporting Console.

Rule Parameters

An easy wizard lets you configure the rule parameters. All rules have by default three steps: rule parameters, active rule options and schedule.

Parameters



You can configure when an alert will be sent to OpsMgr 2007. In many cases, this will be when the value is over or under a certain threshold.

However, for status based rules you can choose to generate an alert when the status changes or when it becomes a certain value (e.g. interface operational status: up, down, testing, unknown, or dormant).

For those rules related to interfaces, it is possible to select the interfaces where you want to apply the rule and define their in-

dividual thresholds. This way you can fine-tune the Xian environment.

Active rule options

The severity level is sent to OpsMgr 2007 when a rule meets the selected criteria. OpsMgr 2007 organizes the alerts by severity. With this option you can predefine each alert with a different level of severity (debug, informational, warning, error or critical), define the collection of performance counters to be used in performance data views or Xian Reports, rename the rule, and enable debug mode for the active rule.

Schedule

You can set the interval between each execution of the rule. This can vary within a range of seconds, minutes or days. When setting this step take into account that a short interval will consume more system resources.

Rules

Cisco PIX Firewalls/ASA performance and status rules¹

General

- Attempt failed TCP connections
- Available memory buffer 1550-byte blocks
- Available memory buffer 256-byte blocks
- Available memory buffer 4-byte blocks
- Available memory buffer 65536-byte blocks
- Available memory buffer 80-byte blocks
- Connections currently in use
- Device availability
- Established TCP connections
- Failover status
- Highest number of connections
- Memory pool free memory
- Open active TCP connections
- Open TCP connections
- Primary unit status
- Secondary unit status
- System uptime
- UDP open ports

Interface

¹ Some rules may not be applicable to specific device models.

- Failed reassembly requests
- Fragmentation failed
- Fragments created
- Incoming discarded packets
- Incoming error packets
- Incoming segments
- Incoming traffic
- Interface operational status
- Outgoing discarded packets
- Outgoing error packets
- Outgoing segments
- Outgoing traffic
- Reassembly requests
- Total discarded packets
- Total error packets
- Total segments
- Total traffic

Supported Models

The Xian Io Smart Management Pack for Cisco PIX Firewalls/ASA supports almost all types of the Cisco PIX Firewalls Series. If you want to obtain the updated list of supported devices or if you are interested in adding support for new models, please write to techsupport@jalasoft.com

System Requirements

Minimum requirements to install Xian Io Smart Management Pack for Cisco PIX Firewalls/ASA for Microsoft System Center Operations Manager 2007 are:

- Xian Network Manager Io Platform
- Microsoft Windows Server 2003 SP1 or higher
- Microsoft SQL Server 2000 SP4 or Microsoft SQL Server 2005 SP1 or higher
- Microsoft .NET Framework 3.0.
- MDAC 2.8 SP1 or higher
- SNMP connectivity to all managed devices
- Microsoft System Center Operations Manager 2007
- MS Messaging Queuing
- SQL Server Reporting Services 2005
- Operations Manager Reporting 2007

Contact Info

Jalasoft Corporation
Houston Headquarters
1219 Durham
Houston, Texas 77007
www.jalasoft.com
Phone 1-(888) 402 6717
Fax 1-(408) 463-6155

Sales

sales@jalasoft.com

Partner Support

partners@jalasoft.com

Marketing Support

marketing@jalasoft.com

Technical Support