

SYSTEM MONITORING PLUG-IN FOR JUNIPER NETSCREEN FIREWALL



SYSTEM MONITORING PLUG-IN FOR JUNIPER NETSCREEN FIREWALL DELIVERS:

- Pinpoint storage related performance problems rapidly
- Navigate from data file to host volume to storage device
- Proactively respond to problems by using the metric thresholds
- Optimize storage allocation by tracking storage usage by databases

BENEFITS:

- Consolidate all of the information about your environment in the Grid Control Console
- Correlate availability and performance problems across entire set of IT components
- Enhance service modeling and perform comprehensive root cause analysis
- Increase operational efficiencies

In today's Internet-enabled world, IT organizations rely heavily on firewalls for securing their applications against intruder attacks and for ensuring the overall success of their business. While firewalls provide the first line of defense against security attacks, they also add an extra point of failure for end-user facing applications, making it critical for IT administrators to be able to detect and resolve firewall availability and performance problems before they impact business users.

The Oracle Enterprise Manager Grid Control System Monitoring Plug-in for Juniper Netscreen Firewall delivers comprehensive availability, performance and configuration information for Juniper Netscreen Firewalls. By combining Juniper Netscreen Firewall monitoring with the richest and most comprehensive management of Oracle systems, Grid Control significantly reduces the cost and complexity of managing applications that rely on Juniper Netscreen Firewall and Oracle technologies. Application administrators can now consolidate all of the monitoring information in the Grid Control Console, model and view the complete topology of their applications, and perform comprehensive root cause analysis. Network administrators can perform proactive monitoring and detailed configuration analysis for Juniper Netscreen Firewalls, assess the impact of firewall performance problems on end-user services, and better align their efforts with business needs.

Realize Immediate Value through Out-of-Box Availability and Performance Monitoring

The System Monitoring Plug-in for Juniper Netscreen Firewall automatically collects a comprehensive set of availability and performance metrics with pre-defined thresholds, immediately alerting administrators of any issues. This allows administrators to derive instant value, while giving them the flexibility to fine-tune thresholds according to their specific operational requirements. Out of the seventy two metrics collected, some of the key performance indicators monitored include: Juniper Netscreen Firewall Status, Network Interface Status, CPU and Memory Utilization, Session Statistics, Firewall Traffic (including specific information about incoming / outgoing/ accepted/rejected traffic).

In addition to real-time monitoring of performance metrics for Juniper Netscreen Firewall, Grid Control also stores the monitoring information in the management repository, thereby enabling administrators to analyze performance through various historical views (Last 24 Hours/ Last 7 Days/ Last 31 Days) and facilitating strategic tasks such as trend analysis and reporting.

To further aid administrators with critical tasks such as problem diagnosis, trend analysis and capacity planning, the System Monitoring Plug-in for Juniper Netscreen Firewall includes twelve out-of-box reports, summarizing key information about Juniper Netscreen Firewall availability, performance, traffic and configuration. These reports are easily accessible from the Juniper Netscreen Firewall Home page in the Grid Control Console and from the Information Publisher (Enterprise Manager’s powerful reporting framework), enabling administrators to schedule, share, and customize reports to fit their operations needs.

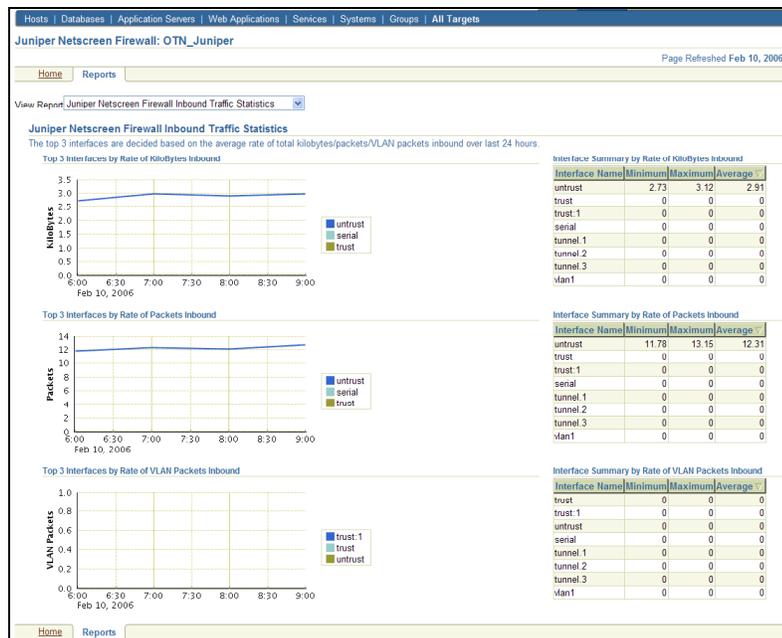


Figure 1. Juniper Netscreen Firewall Inbound Traffic Statistics Report.

Apply Grid Control’s Powerful Monitoring and Event Management Features to Juniper Netscreen Firewall

The System Monitoring Plug-in for Juniper Netscreen Firewall leverages Grid Control’s powerful monitoring and event management features, thereby delivering a robust monitoring solution through automation, standardization and “manage many-as-one” approach. Key features include:

- **Blackout Periods:** prevent unnecessary alerts from being raised during scheduled maintenance operations, such as hardware upgrade.
- **Monitoring Templates:** simplify the task of standardizing monitoring settings across the entire Juniper Netscreen Firewall environment, by allowing administrators to specify the monitoring settings (metrics, thresholds, metric

collection schedules and corrective actions) once and applying them to any number of Juniper Netscreen Firewall instances.

- **User-defined Metrics:** allow administrators to collect and monitor parameters specific to their applications.
- **Corrective Actions:** ensure that routine responses to alerts are automatically executed, thereby saving administrators time and ensuring problems are dealt with before they noticeably impact users.
- **Notification Rules, Methods and Schedules:** define when and how administrators should be notified about critical problems with their applications, ensuring quicker problem resolution.
- **Groups / Systems:** significantly simplify management of large numbers of components, allowing administrators to “manage many-as-one”. By combining Juniper Netscreen Firewall instances in groups, or including them in heterogeneous groups or systems, administrators can benefit from a wealth of group management features, such as ability to proactively monitor availability and alerts of all group members via the System Monitoring Dashboard.

Lower Costs through Knowledge: Know What You Have and What Changed

Tracking configurations is one of the most time-consuming and difficult tasks administrators face on a daily basis. Being able to quickly view a detailed configuration snapshot, analyze historical changes and enforce standardization between systems is key to diagnostics, auditing, compliance, and making solid business decisions.

System Monitoring Plug-in for Juniper Netscreen Firewall simplifies these tasks by automatically collecting detailed configuration information about Juniper Netscreen Firewall, including: virtual router configuration, security zones setup, DHCP/DNS/ SMTP/ SNMP configuration, attack configuration for each zone, interface and service configuration. This information is collected daily and stored in the management repository. In addition, Grid Control automatically tracks all changes to the Juniper Netscreen Firewall configuration, helping administrators answer key questions about what changed, who is responsible for the change, and when the change was made. System Monitoring Plug-in for Juniper Netscreen Firewall also enables enterprise-wide configuration comparisons of Juniper Netscreen Firewall instances, allowing administrators to quickly and easily pinpoint potential differences. This helps to keep systems synchronized and to reduce “configuration drift”. In addition, it simplifies investigations into why systems that are presumed to be identical, are behaving differently.

Centralize All of the Monitoring Information in a Single Console

The System Monitoring Plug-in for Juniper Netscreen Firewall provides administrators managing Oracle systems and Juniper Netscreen Firewall with a consolidated view of the entire enterprise. Having such an integrated tool reduces the total cost of ownership by eliminating the need to manually compile critical information from several different tools, thus streamlining the correlation of availability and performance problems across the entire

set of IT components.

SYSTEM MONITORING PLUG-IN FOR JUNIPER NETSCREEN FIREWALL

Related Products:

- Management Plug-ins
- System Monitoring Plug-in for Hosts
- System Monitoring Plug-in for Non-Oracle Databases
- System Monitoring Plug-in for Non-Oracle Middleware
- System Monitoring Plug-in for Network Devices
- System Monitoring Plug-in for Storage
- Management Connectors

Detailed information on these products can be located at <http://www.oracle.com/enterprise-manager>.

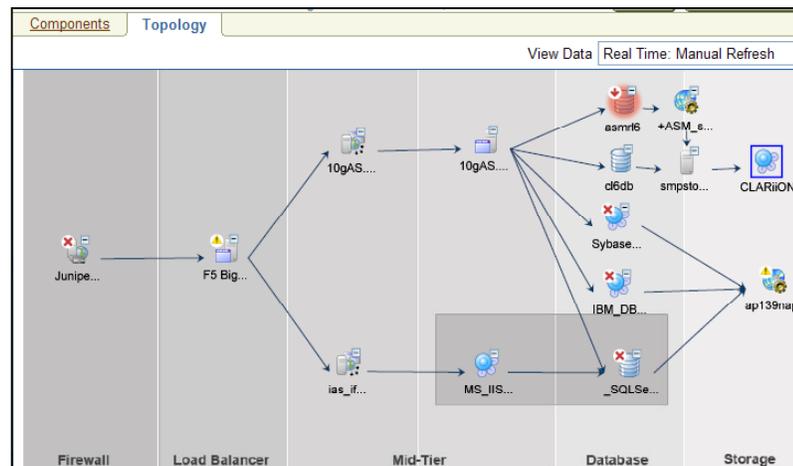


Figure 2. Top-down visibility into heterogeneous infrastructure

In addition, the System Monitoring Plug-in for Juniper Netscreen Firewall complements Grid Control's existing plug-in support for host systems providing administrators with more depth and greater ability to view Juniper Netscreen Firewall operations directly in the context of operating system activity.

Oracle Grid Control Delivers Unparalleled Monitoring of the Oracle Grid Environment

Oracle Grid Control is simply the most complete and robust solution for managing Oracle environments, providing the richest and most comprehensive monitoring and management for the Oracle components. In addition, to support the wide variety of applications built on Oracle, Grid Control continues to expand its monitoring scope by offering management plug-ins for non-Oracle components, such as third-party databases, third-party middleware, storage, and network devices – thus providing Oracle customers a single integrated monitoring solution for any application built on Oracle.

Learn More

For more information about this and other Oracle Management Connectors, visit <http://www.oracle.com/technology/products/oem/extensions/index.html>

To learn more about Oracle Enterprise Manager 11^g, visit www.oracle.com/enterprise_manager

Copyright © 2010, Oracle. All rights reserved.

This document is provided for information purposes only, and the contents hereof are subject to change without notice. This document is not warranted to be error-free, nor is it subject to any other warranties or conditions, whether expressed orally or implied in law, including implied warranties and conditions of merchantability or fitness for a particular purpose. We specifically disclaim any liability with respect to this document, and no contractual obligations are formed either directly or indirectly by this document. This document may not be reproduced or transmitted in any form or by any means, electronic or mechanical, for any purpose, without our prior written permission.

Oracle, JD Edwards, and PeopleSoft are registered trademarks of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.