PRISM™ System Monitor

minsait ACS

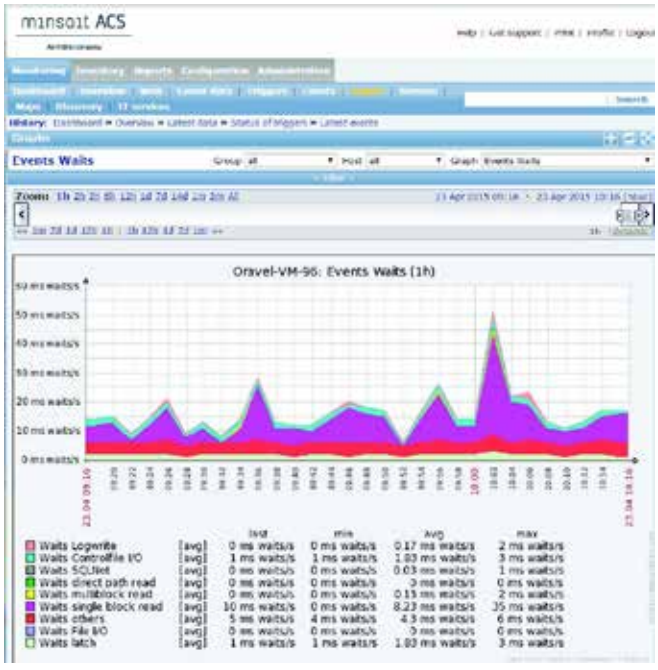
An Indra company

onesait grid utilities

PRISM System Monitor (PSM) is an application that enables organizations to identify and resolve SCADA infrastructure problems before they affect critical business processes. Designed with scalability and flexibility in mind, our PSM solution gives you the peace of mind that comes from knowing your operations won't be affected by unknown outages/disruptions related to your control system. PSM is a powerful solution that provides you with instant awareness of your system operations infrastructure, including SCADA, DMS, OMS and EMS applications. PSM allows for proactive detection of problems and mitigation of future issues before they can affect your real-time operations.

What can PSM Do?

- Monitor your system infrastructure
- Spot problems before they occur
- Know immediately when problems arise
- Share availability data with stakeholder systems
- Detect security breaches
- Help with planning and budgeting for upgrades
- Reduce system downtime and business losses storm situations



Functionality

- Monitor Linux machines: CPU load, memory usage, disk usage, logged-in users, running processes
- Passive checks: request/response from a remote agent
- Active checks: agent sends values for a list of check attributes
- Monitor SNMP status information: depending on the network appliance
- Monitor public services: HTTP, POP3, IMAP, FTP, and SSH
- Database monitoring
- Any clients: Linux/UX/Windows

VMware virtual machine monitoring

- Extensibility: custom agent checks via script/parameters Provide graphics and trends for monitored data
- 3rd-party mobile applications available (not provided/ supported by Minsait ACS)

System Monitor Licensing

PRISM System Monitor pricing and configuration are based on the number of PRISM nodes (servers and workstations) and network devices that are to be covered by the application. The license for each node includes monitoring of all covered processes. Contact Minsait ACS for the current list of standard processes, as it is subject to change. Nodes are priced individually, and the configuration for each node includes monitoring of all covered process – whether currently installed or added in the future. Monitoring of network appliances such as switches, outers and firewalls are priced separately, as are systems that utilize VMware virtualization. Please contact Minsait ACS for a quote customized for your configuration.

Requirements

PSM requires certain ports to be available for the solution to function correctly; the baseline ports that are required are: 161, 10050, 10051. Depending on the device being monitored, there may be other ports that will require access through any firewalls. For PSM notifications to function, the company mail server must be accessible from the SCADA LAN.

Other system requirements:

- RHEL 7 or later
- SNMP devices (V2 or V3 are preferable)

Exclusions

Any devices that are not part of the SCADA LAN or within the defined Electronic Security Perimeter will not be part of the monitored solution; this is required for security and compliance with the NERC CIP standards.

Support

Only the PSM solution as deployed and configured by Minsait ACS will be supported. Minsait ACS is unable to provide support for any devices or configurations added by the customer. PSM will be covered under Full Subscription Support Agreements, and this coverage will include remote configuration by Minsait ACS for new processes added to existing nodes following the initial PSM deployment.

Professional Services

Minsait ACS can provide professional services to integrate and configure customer-supplied devices that do not fall under Minsait ACS' standard offering as outlined above. All devices must comply with standard SNMP-V1, 2 or 3 protocols. Minsait ACS requires the following information in order to provide a service quotation for such devices:

- Vendor make and model
- Device supported protocols
- What type of "traps" or information needed to be monitored (in particular MIB/OID information)
- Number of devices to be added

Ordering Information

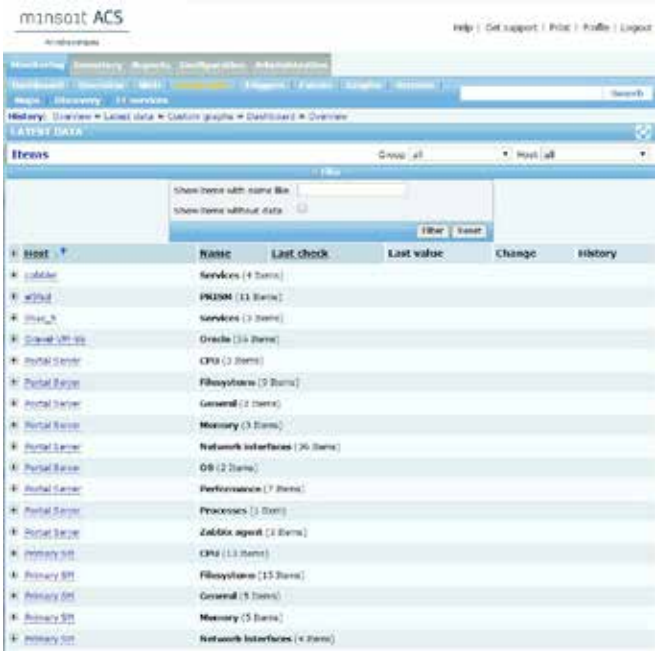
To order or to get more information:

- info@acspower.com
- 800.831.7223 (Sales)

Example PSM Screens

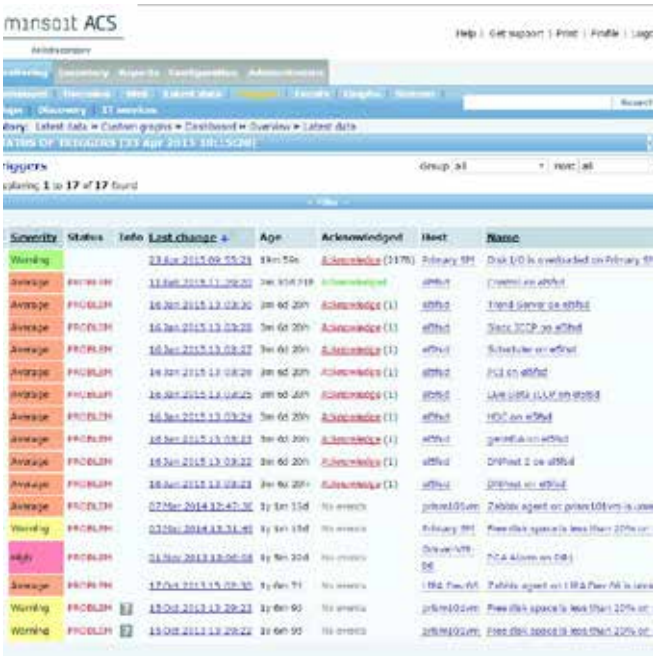
Dashboard

Latest Data



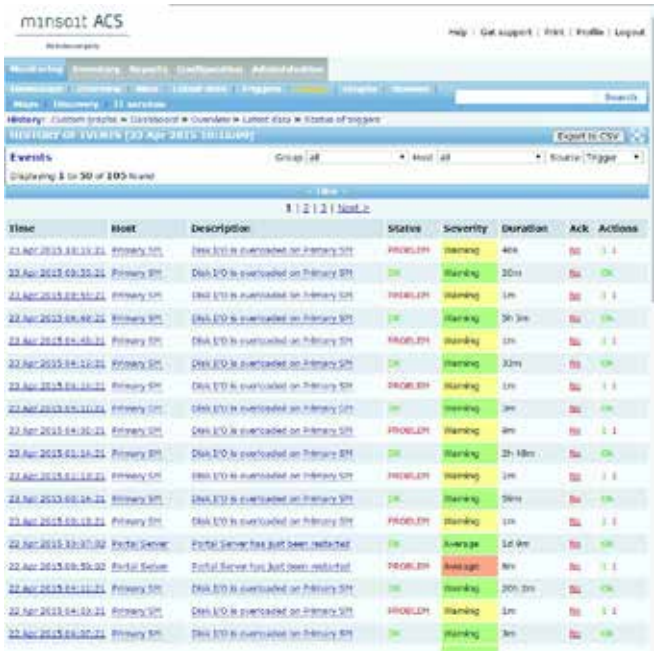
Overview

Triggers

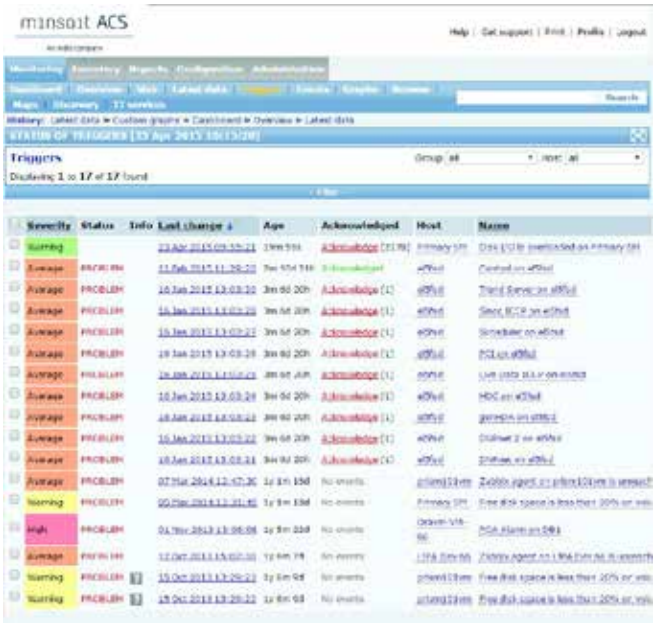


PRISM System Monitor

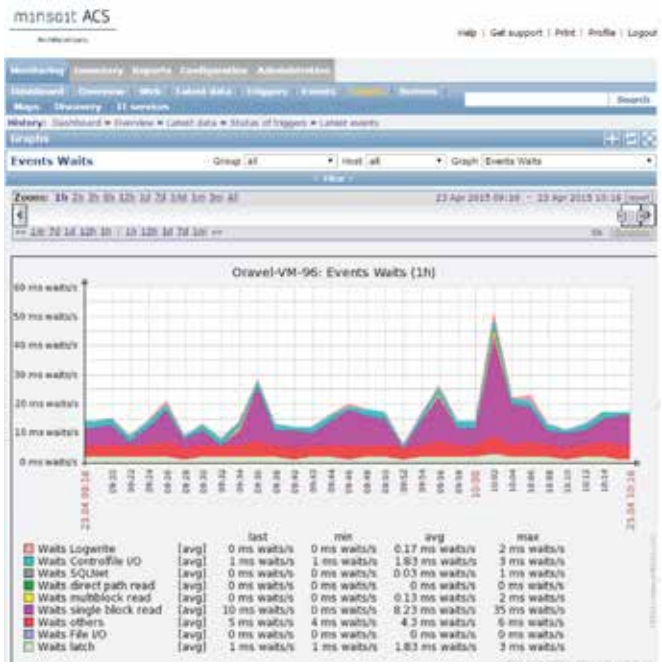
Events



Configuration - Item Triggers



Graphs



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Due to our policy of continuous development, specifications may change without notice.
Not valid as a contractual item.

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