

# GV GUARDIAN

## Remote Monitoring Application



Up	Down	Unreachable	Pending	Ok	Warning	Unknown	Critical	Pending
0	0	0	0	0	0	0	0	0
Unhandled Problems				All				
0				41				

Host	Service	% Utilization	Details
localhost	Root Partition	48.9%	DISK OK - Free space: // 23171 MB (48%) (inode=94%)

Source	Latest Alert	Alerts
miliv-mibtp01.gvservice.com	2014-01-21 08:45:40	FTP Transfer

GV GUARDIAN addresses the biggest risk factor facing broadcasters today — the possibility of on-air failure — while it tackles the challenges associated with staffing, system management and problem mitigation.

The biggest risk in media facilities is the potential for an on-air failure. In the quest to stop problems before they happen, GV GUARDIAN provides a preventative monitoring solution with proactive detection and resolution.

GV GUARDIAN from Grass Valley, a Belden Brand, makes proactivity easy and problem resolution fast, precise and complete. It saves manpower and reduces risk through an easy-to-use system monitoring solution that leverages industry-standard reporting approaches. It gives IT and broadcast engineers early warnings, streamlines failure analysis, provides immediate error notifications and makes log collection straightforward.

GV GUARDIAN is a flexible, multiprotocol, remote monitoring tool. It helps IT and broadcast engineers to proactively predict potential failures, easily identify root causes of a failure, quickly notify responsible personnel and effortlessly aggregate all failure data into a single location.

- Increase reliability by predicting problems before they happen
- Reduce service costs by resolving issues before they become catastrophic
- Speed up problem resolution by consolidating logs and failure data
- Increase productivity by minimizing human intervention
- Automate tasks that would otherwise be subject to human error

### **Predict: Be Proactively Aware of Potential Problems**

GV GUARDIAN can predict potential problems before they result in a failure. Hardware and software issues can be resolved while they are minor rather than after a disaster. It helps to insure that a system does not go down in the first place by providing preemptive error prediction and immediate notification. It minimizes the unforeseen failures that are the biggest cause of downtime. This reduces the cost of parts,

shipping, emergency support, overtime and data restoration. More importantly, it reduces the possibility of on-air impact.

### **Preempt: Stop Problems Before they Happen**

GV GUARDIAN can proactively alert engineering and/or IT personnel to problems and potential complications before an engineer may even notice them. This means fast, accurate and complete problem resolution before any content-quality or financial impact is felt. The best way to reduce the business impact of a failure is to proactively predict it and quickly notify those who can rectify it. GV GUARDIAN does just that — alleviating the risk of being off-air.

### **Resolve: Collect Error Data For Easy Analysis and Quick Resolution**

GV GUARDIAN is the fastest way to restore a system that is experiencing issues because it provides easy-to-use tools for “root-cause” analysis. It can automatically collect diagnostics from many systems, thus reducing data collection efforts and minimizing repeated requests for information.

GV GUARDIAN makes it possible for IT and broadcast engineering staff to monitor distributed systems from one or more central locations. This reduces manpower requirements. It eliminates the need for physical reviews of indicator lights and significantly reduces the need for engineers to engage in slow, expensive and inaccurate manual inspection of error logs. It reduces information collection and analysis efforts and permits engineering teams to focus on more impactful tasks.

GV GUARDIAN is easy to configure, easy to use and fully autonomous.

# GV GUARDIAN Remote Monitoring Application

## KEY FEATURES

- SNMP, RMON, WMI and Syslog interfaces to a potentially unlimited number of devices
- Automatic device discovery and configuration across multiple subnets and WANs
- User-customizable dashboards
- User-configurable actions definable by event and device type
- Graphical access to resource usage statistics alarms based on values and thresholds
- Generate alarms/status and automatically restart processes, daemons and services
- Alarms based on repeated instance of an event, value or threshold
- Import configuration from spreadsheets
- Incorporate third-party MIBs with no engineering effort
- Enabling of cloud-based storage for data and logs

## SPECIFICATIONS

### Server for GUARDIAN-TKPRO-01 and GUARDIAN-TKELT-01

**Chassis:** Standard EIA rack mount

**Dimensions:**

- Height (1 RU): 4.26 cm (1.68 in.)
- Width: 48.24 cm (18.99 in.) (includes rack latches)
- Depth: 77.2 cm (30.39 in.) (includes PSU handles and bezel)

**Weight:** 16.3 kg (36 lbs.)

**Power Requirements:**

- Power: 502 watts
- Voltage: 100-240 VAC

**Memory:** 16 GB RAM

**Storage:** 2x 146 GB SAS Drives

**Operating System:** Linux CentOS with VMware ESXI 5.1

### User-provided Server

Requires a server class platform, able to host VMware ESXI 5.2, with at least the following dedicated resources:

- High-performance processor with at least 4 available cores
- 120 GB free usable HDD/SSD space
- 8 GB of available RAM

### Client Computers

Requires network connection and web browser:

- Windows: Internet Explorer/Google Chrome/Firefox
- Mac OS: Safari/Google Chrome

## ORDERING

### GUARDIAN-PRO

GV GUARDIAN software to monitor up to 100 devices with all available MIBs for Grass Valley products and a browser-based manager

### GUARDIAN-TKPRO-01

GV GUARDIAN software and server hardware to monitor up to 100 devices with all available MIBs for Grass Valley products and a browser-based manager

### GUARDIAN-ESA-INC

90-day warranty uplift to ELITE service level

### GUARDIAN-BSA-1YR

1-year BASIC Service Agreement

### GUARDIAN-ESA-3YR

3-year ELITE Service Agreement

### GUARDIAN-ESA-1YR

1-year ELITE Service Agreement

### GUARDIAN-SPRO-REM

Remote Commissioning for one GV GUARDIAN system monitoring all Grass Valley products in a single facility



## Global Services

In the complex world of broadcast infrastructure, media enterprises need control system vendors with both a highly skilled technical support team and the supporting logistics structure to deploy and support rock-solid solutions. Grass Valley Global Services has the depth of knowledge, industry experience, and technical expertise to exceed expectations. The Global Services portfolio provides everything necessary to insure maximum uptime and high velocity problem resolution.

Grass Valley Global Services delivers a comprehensive array of tangible value:

A global network of field engineers with the knowledge, understanding and talent to keep complex routing and control systems up to date, operational and optimized.

A worldwide distribution system that ensures rapid access to replacement parts.

A team of instructors skilled in the many nuances of routing, infrastructure management and facility control, able to provide technical and operational training that maximizes productivity through tailored learning paths.

Solution architecture and integration services to tune each implementation to the unique characteristics of each facility and operational workflow.

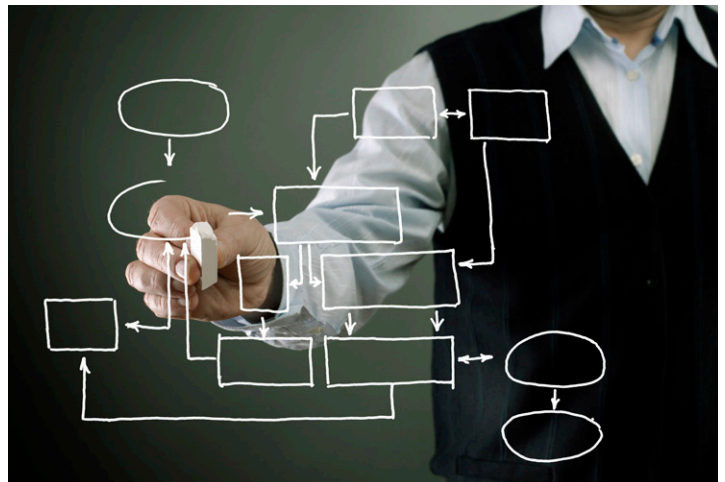
Project management services that save staff time, improve efficiency and control budgets.

Comprehensive support agreements to guarantee that every Grass Valley infrastructure control solution remains in top condition — while supporting the enterprise's need for financial predictability.

Grass Valley Global Services deliver solid returns-on-investment, providing the resources to insure maximum value from an investment in Grass Valley infrastructure products — from design through commissioning through the entire operating lifespan. Global Services empowers customers to meet tactical day-to-day objectives while giving staff more time to focus on strategic business initiatives. A global presence, logistics expertise and world-renown team of infrastructure specialists from Grass Valley is here to help achieve organizational financial performance objectives by reducing risk while boosting operational efficiencies.

### GLOBAL SERVICES PROVIDES:

- Unequaled depth of industry knowledge and technical expertise
- Over 50 years of worldwide experience
- Complete set of services:
  - Strategic advice
  - System architecture
  - Workflow analysis and design
  - Project management
  - Integration and implementation
  - Performance optimization
  - Technical and operational training
  - Educational services
- Address today's challenges and prepare for tomorrow's opportunities



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