



ManageGrid System Admin

Product Guide

Vantageo ManageGRID: Streamlined, agent-free suite for datacenter hardware mastery. Harness automated discovery, precise inventory, live health monitoring, firmware orchestration, config compliance, intuitive dashboards, OS deployment, vuln reporting, secure comms, audit logs, user management, REST/Python automation, and repo maintenance—powered by flexible licensing.

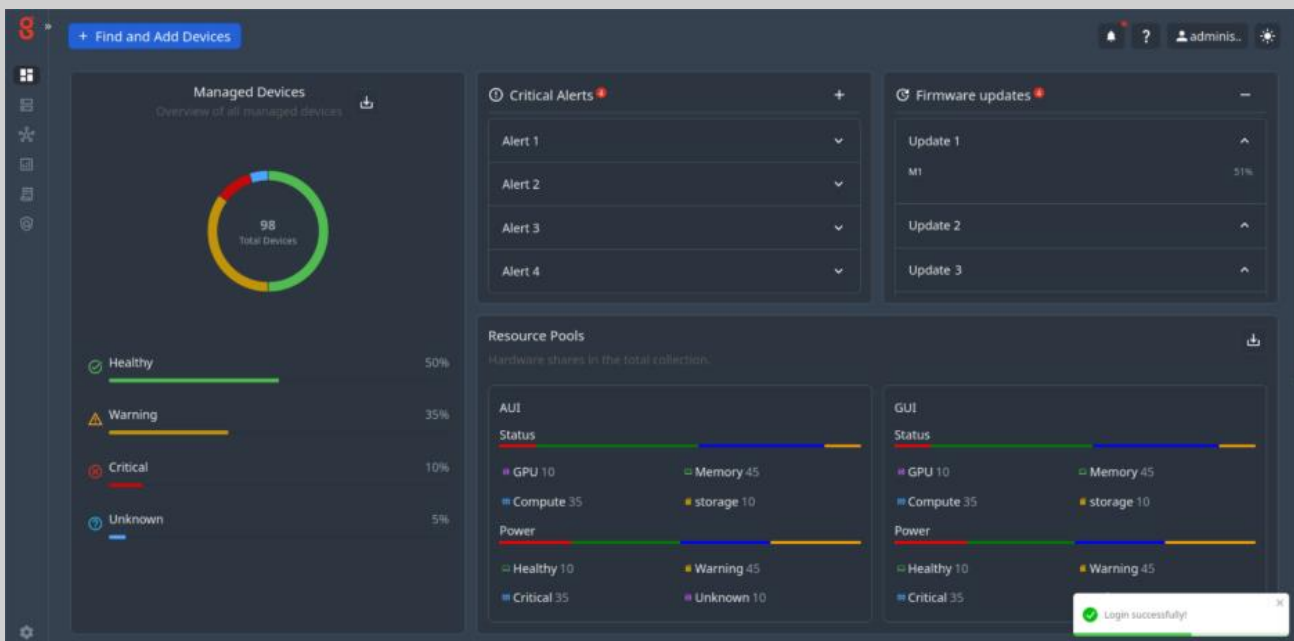
manage
GRID

Vantageo Remote System Management Overview

Vantageo ManageGrid System Admin is a centralized resource management platform designed to simplify infrastructure operations, accelerate response times, and improve the availability of Vantageo server systems.

The Remote System Management Suite runs as a virtual appliance and delivers agent-free device management, automating key tasks such as discovery, inventory, tracking, updates, and device monitoring.

A single instance of Vantageo ManageGrid System Admin can manage multiple devices, providing a scalable and efficient solution for modern data centers.



Vantageo ManageGrid System Admin Dashboard

Features

The **ManageGrid System Admin** is an HTML5-based web interface designed for quick resource location, enabling tasks to be executed efficiently. Since **System Management application** does not rely on agent software installed on managed endpoints, application communicates and manages devices via out-of-band management path over Redfish compliant APIs.

Vantageo ManageGrid System Admin accelerates the delivery of resources through a streamlined administration dashboard, making the following functions simple and accessible:

- **Discovery** of hardware resources
- **Inventory management and device grouping**
- **System health monitoring**
- **Device Vulnerability Reporting**
- **Firmware compliance and updates**
- **Configuration management and compliance**
- **Deployment of operating systems to bare-metal servers**
- **Warranty status tracking**
- **Automated Device Service & Support capabilities.**

Fast time-to-value is achieved through **automatic discovery** of existing or new **Vantageo** servers. Once discovered, inventory details are collected, allowing datacenter admin to view hardware status immediately.

A centralized dashboard provides visibility into **events and alerts** generated by managed endpoints. When an issue occurs, the managed endpoint sends an event to a management application, which displays alerts and events through the dashboard, status bar, and detailed system views.

Supported Endpoints

Vantageo ManageGrid System Admin supports a wide range of Vantageo devices, including Intel and AMD based Rack Servers, a range of AI acceleration and GPU platforms.

Firmware Management

Vantageo ManageGrid System Admin simplifies firmware management through the use of **firmware compliance policies**. These policies can be assigned to support managed endpoints to ensure that all firmware remains compliant with defined standards. If the applied firmware levels do not match the recommended predefined policies, administrators can **create or modify compliance policies** to align with organizational requirements.

Additionally, **Vantageo ManageGrid System Admin** provides the flexibility to **apply and activate newer firmware versions** on individual endpoints or groups of endpoints without using compliance

policies. This allows administrators to update firmware efficiently while maintaining control over the process.

Configuration Management and Compliance

Vantageo ManageGrid System Admin simplifies configuration management through **pattern-based configurations**, enabling quick provisioning and re-provisioning of one or multiple servers using a single set of configuration settings. These settings include:

- Local storage
- I/O adapters
- Boot order
- Baseboard Management Controller (BMC) settings
- BIOS settings

If configuration settings on a server change, you can easily check the **compliance status** of each server from the **UI**.

OS Provisioning

Vantageo ManageGrid System Admin enables **bare-metal deployment** by allowing you to import and store operating system and hypervisor images in a centralized repository.

Vantageo ManageGrid System Admin also supports **concurrent** deployment of operating system images to **up to 10 bare-metal servers**, ensuring fast and efficient provisioning across your infrastructure.

Security

Vantageo ManageGrid System Admin provides multiple features to help secure your IT environment:

- **Device Vulnerability Reporting:** When Vantageo servers are managed into ManageGrid System Admin suite, you can analyze and detect vulnerabilities so that the system can be kept up-to-date and secure.
- **Compliance Support:** If your organization requires compliance with **Security Standards**, **Vantageo ManageGrid System Admin** can assist in meeting these standards. It supports both **self-signed SSL certificates** (issued by an internal certificate authority) and **external SSL certificates** (from private or commercial CAs).
- **Audit Logging:** The system includes a comprehensive audit log that records user actions such as logins, user creation, and password changes, providing a historical record for security and compliance audits.

- **Multi Factor Authentication:** Upon admin dashboard login, administrators can activate Multi-Factor Authentication (MFA), enforcing an additional verification layer (e.g. push notifications) to mitigate unauthorized access risks and bolster overall environment security.

Management Tasks

With **Vantageo ManageGrid System Admin**, users can efficiently perform a wide range of management operations, including:

- **User Management**
- **Hardware Monitoring**
- **Hardware Management**
- **Configuration Management**
- **Operating System Deployment**
- **Firmware Updates**
- **Task Automation Using Scripts over REST APIs**

User Management

Vantageo ManageGrid System Admin provides a centralized authentication system for creating and managing user accounts, as well as authenticating user credentials. This authentication service is automatically initialized when the management server starts.

User accounts created within **Vantageo ManageGrid System Admin** can be used to log in and manage the suite itself, as well as all associated servers. When creating a user account, administrators can define access levels by assigning **role groups**, such as **read/write** or **read-only** permissions.

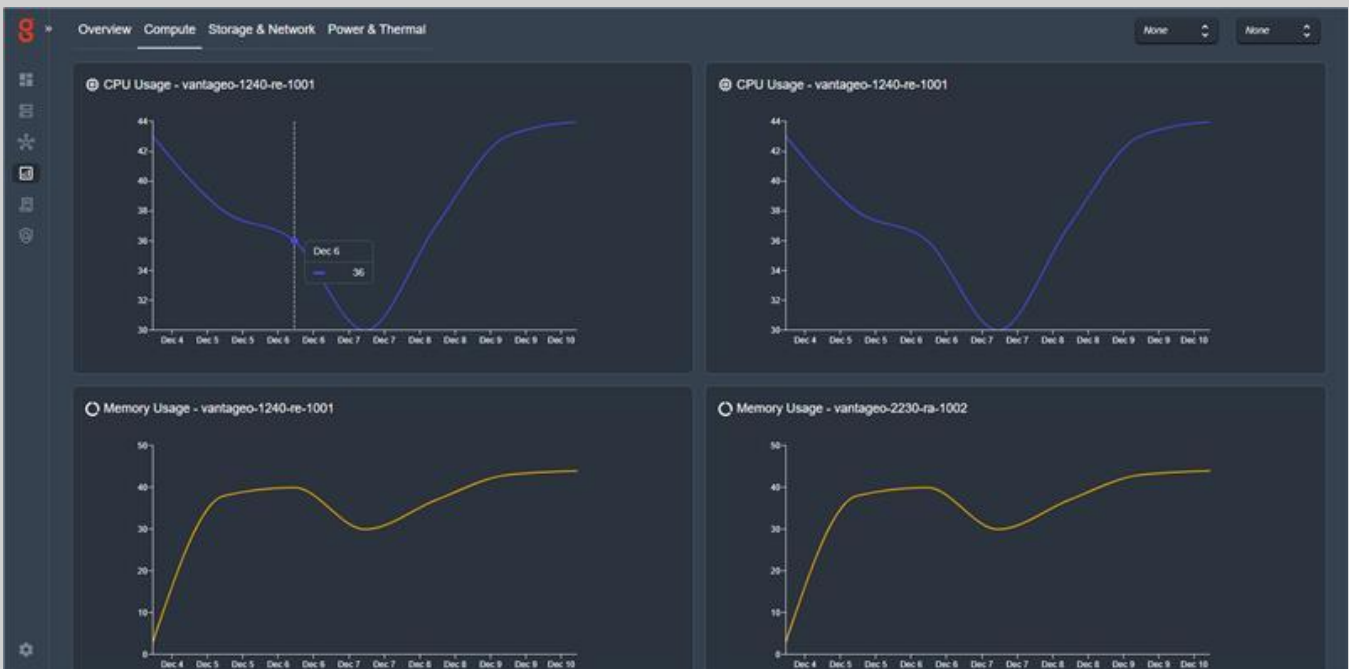
Hardware Monitoring

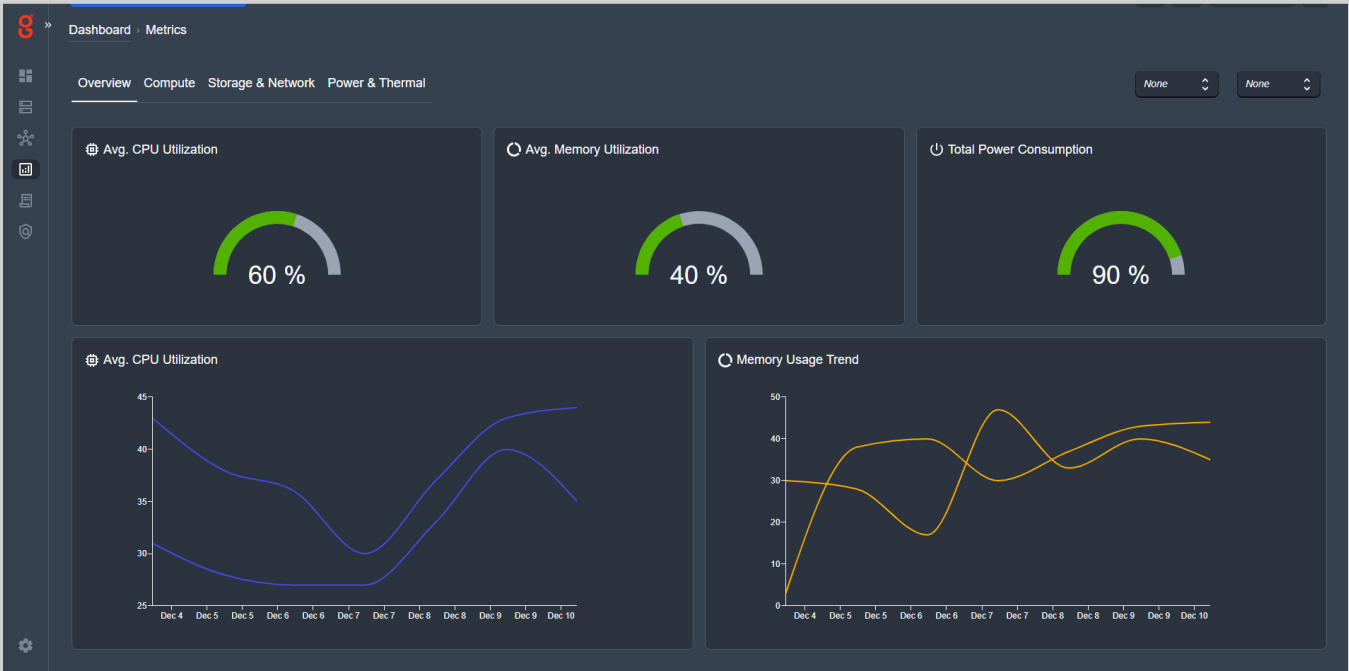
Vantageo ManageGrid System Admin provides a centralized dashboard for monitoring events and alerts generated by managed endpoints, including chassis components, servers, storage devices, and network switches.

The tool supports historical views of device health and metrics data for reporting.

When an issue occurs, the affected device sends an event to the management suite, which then displays it in the **alerts list** within the user interface. A **status bar** on the main dashboard gives an at-a-glance view of overall system health.

The alert view can be **filtered by severity, date range, alert source**, or refined using the **search filter**, making it easy to focus on critical issues and troubleshoot efficiently.





Dashboard · SystemLogs

Events Alerts

+ Find and Add Devices

adminis...

List of all system event(s)

Date ↑	Severity	Event	Target Resource
2026-01-27T01:23:33	Informational	The resource at /redfish/v1/SessionService/Sessions/4862b7402aa37a173e41b107e1be01c2 was successfully removed.	System
2026-01-27T02:38:10	Informational	The resource at /redfish/v1/SessionService/Sessions/f719b8ec0fdebc40ba5f7264e209bee was successfully added.	System
2026-01-27T02:38:28	Informational	The resource at /redfish/v1/EventService/Subscriptions was successfully added.	System
2026-01-27T02:38:33	Informational	The resource at /redfish/v1/SessionService/Sessions/f719b8ec0fdebc40ba5f7264e209bee was successfully removed.	System
2026-01-27T05:41:30	Informational	The resource at /redfish/v1/SessionService/Sessions/523736633caeeee4e2e2767a15030b79 was successfully added.	System
2026-01-27T05:41:50	Informational	The resource at /redfish/v1/EventService/Subscriptions was successfully added.	System
2026-01-27T05:41:54	Informational	The resource at /redfish/v1/SessionService/Sessions/523736633caeeee4e2e2767a15030b79 was successfully removed.	System

Dashboard · SystemLogs

Events Alerts

List of all system alert(s)

Date ↑	Severity	Alert	Resource	State
2000-01-01T00:00:12	Informational	Event_Data_1 : 0, Record_Type : system event record, Sensor_Number : 211, Event_Dir : Assertion event, Event_Data_2 : 255, Timestamp : 2000-01-01T04:30:12+04:30, EvM_Rev : IPMI v2.0 Event Messages, Generator_ID : 0x2000, Event_Data_3 : 255, Event_Type : S0/G0 Working, Record_ID : 565, Sensor_Type : System ACPI PowerState,	SEL 565	Assert
2000-01-01T00:00:52	Informational	Event_Data_1 : 5, Record_Type : system event record, Sensor_Number : 210, Event_Dir : Assertion event, Event_Data_2 : 0, Timestamp : 2000-01-01T09:00:52+04:30, EvM_Rev : IPMI v2.0 Event Messages, Generator_ID : 0x2000, Event_Data_3 : 255, Event_Type : Timestamp Clock Synch, Record_ID : 566, Sensor_Type : System Event,	SEL 566	Assert
		Event_Data_1 : 5, Record_Type : system event record, Sensor_Number : 210, Event_Dir : Assertion event, Event_Data_2 : 128, Timestamp :		

Dashboard · AuditLogs

Audit Log (10) Recent system events, warnings, and security alerts.

Date ↑	Users	Action	Target Resource	Severity
2025-11-21T06:33:42	System User	AccessAllowed	System	Informational
2025-11-21T06:34:00	System User	AccessAllowed	System	Informational
2025-11-21T06:34:01	System User	AccessAllowed	System	Informational
2025-11-21T06:34:02	System User	AccessAllowed	System	Informational
2025-11-21T06:34:02	System User	ResourceCreated	System	Informational
2025-11-21T06:34:02	System User	AccessAllowed	System	Informational
2025-11-21T06:34:03	System User	ResourceModified	System	Informational
2025-11-21T06:40:16	System User	AccessAllowed	System	Informational
2025-11-21T06:40:35	System User	AccessAllowed	System	Informational
2025-11-21T06:40:36	System User	AccessAllowed	System	Informational

Rows per page: 10 1-10 of 113

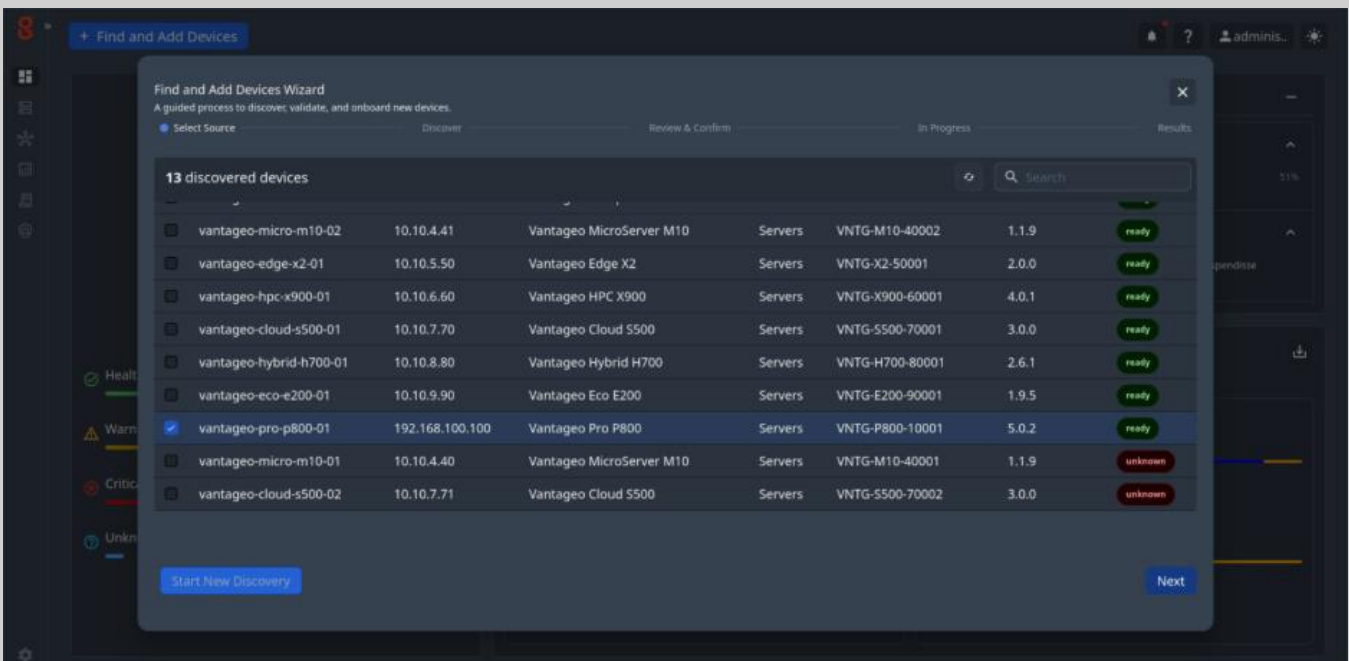
Hardware Management

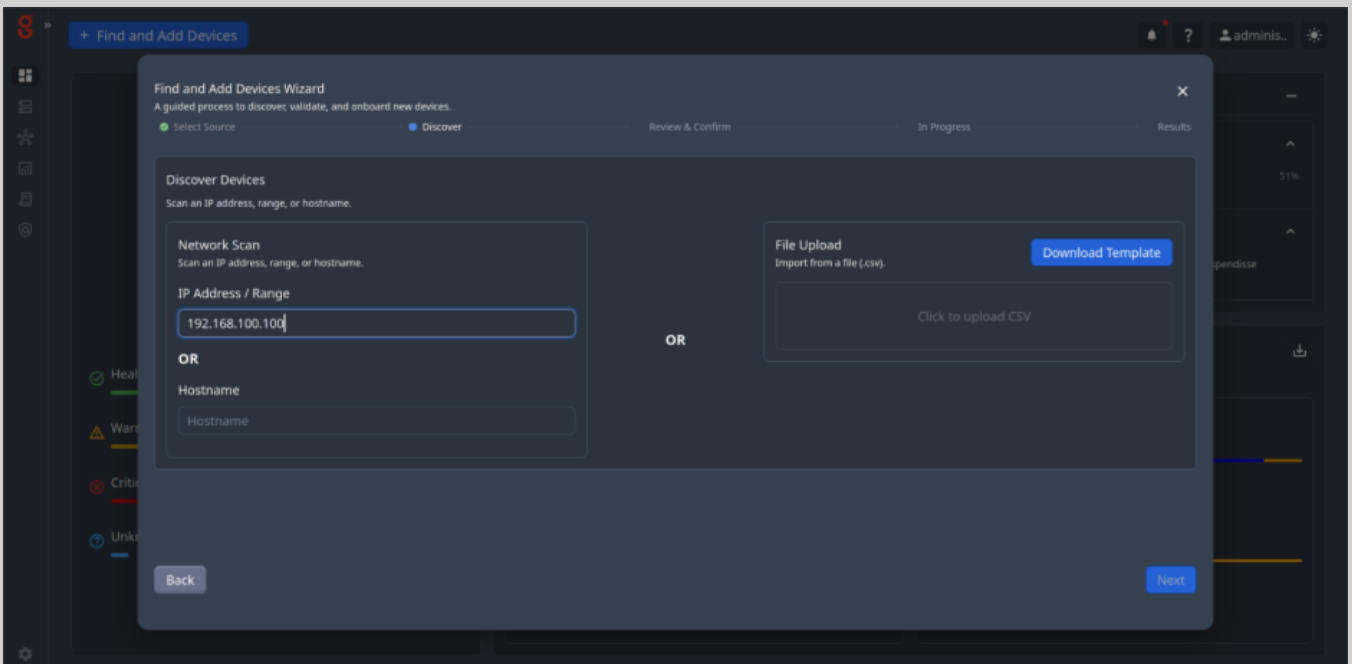
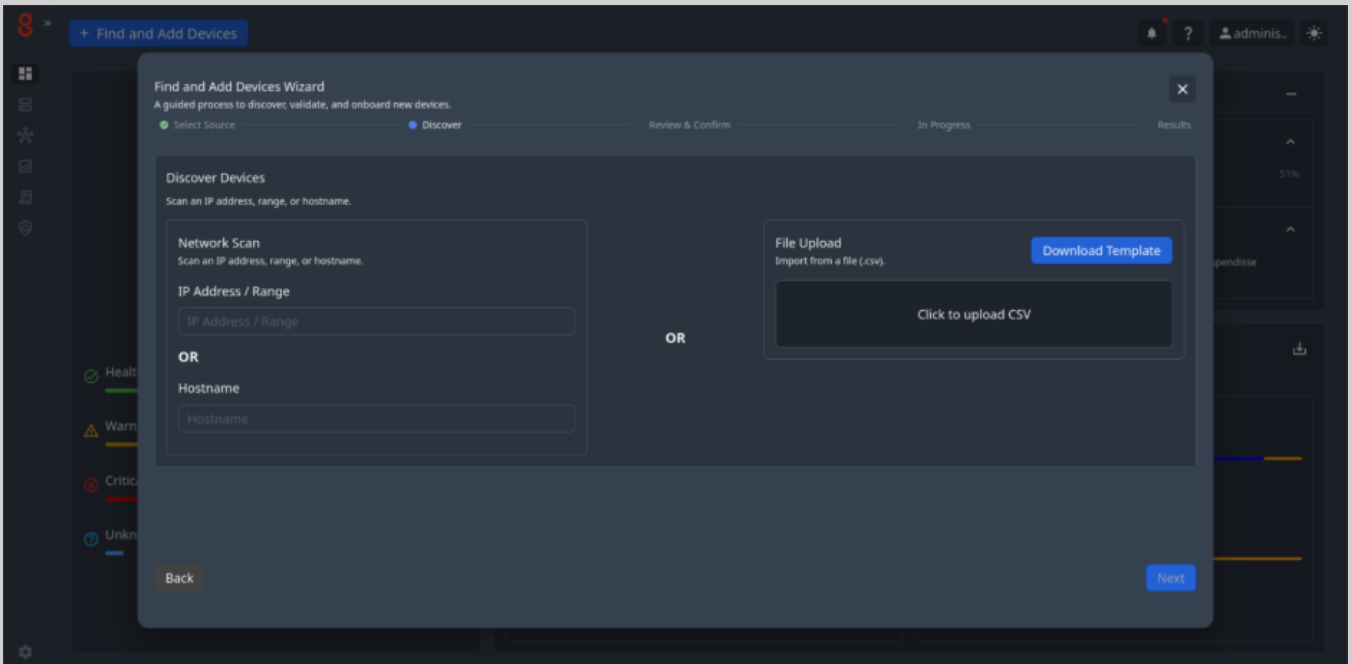
Vantageo ManageGrid System Admin offers a range of management capabilities for supported endpoints. These include:

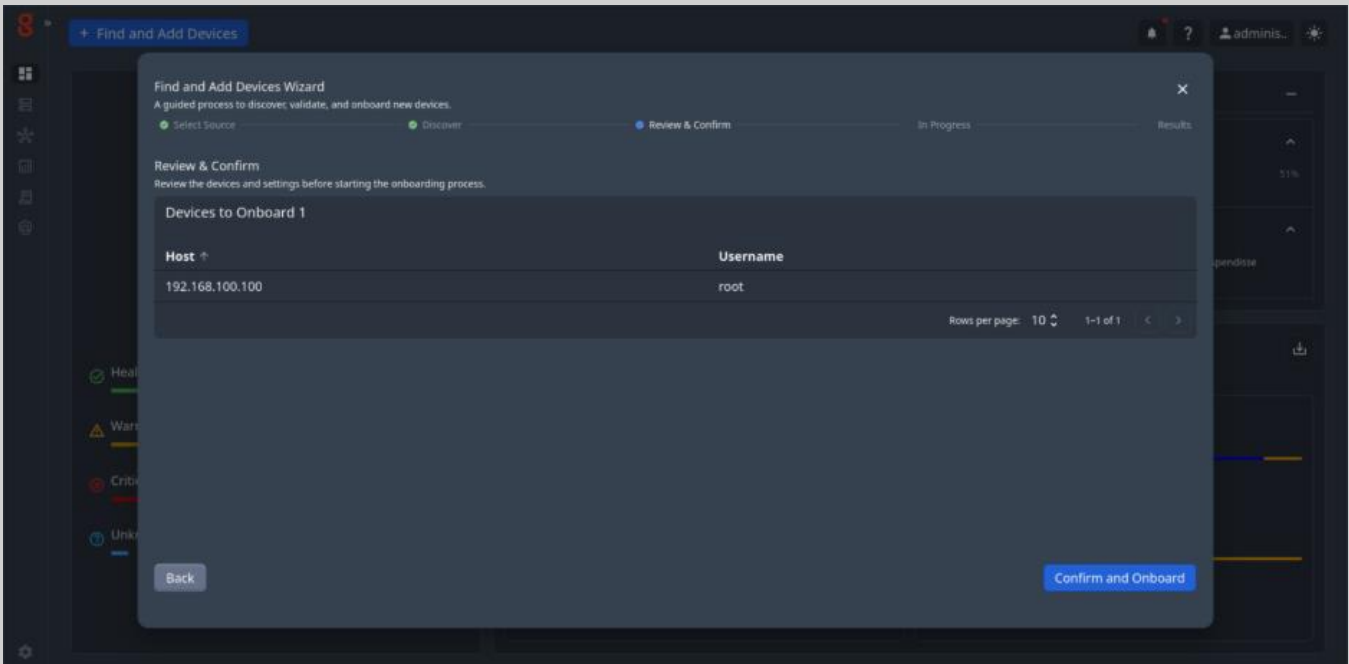
- Viewing system status and hardware properties
- Configuring system information and network settings
- Launching web interfaces for CMM, BMC, IMM, or XCC
- Performing remote control operations for servers and Flex nodes

Additionally, the suite provides options for **Power Actions** on selected servers, allowing administrators to manage power states efficiently.

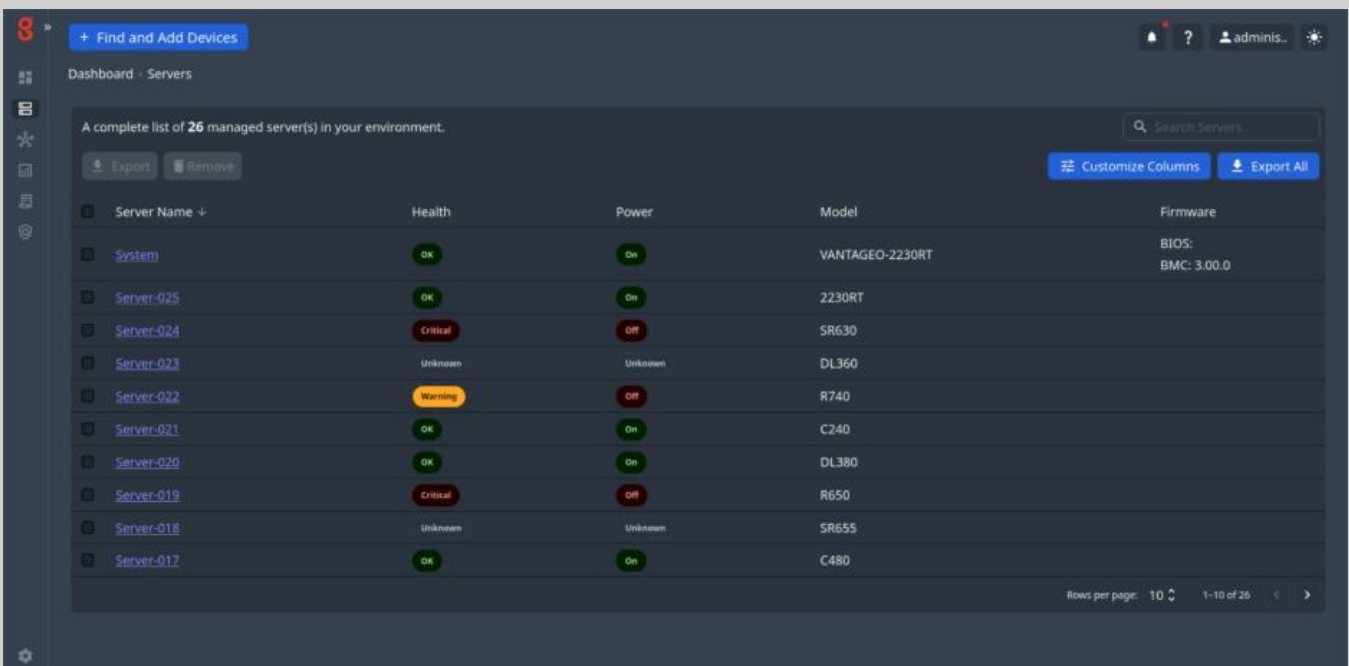
Discovering and onboarding new device







Analyzing Server Details



The screenshot shows a web-based management interface for a server. At the top right, there is a user profile for 'adminis...' and a search icon. Below this is a navigation breadcrumb: 'Dashboard > Servers > System'. A sidebar on the left contains several icons for navigation. The main content area is titled 'System' and is divided into two sections. The first section, 'System Information', displays a table of server details. The second section, 'Hardware Inventory', provides a detailed view of physical components, including Processor (2), Memory (16), Storage (6), Network (3), Power (0), Fans (16), and PCI (1).

System Information

Model	Serial Number	BIOS Version
VANTAGEO-2230RT	SR2033824359	N/A
BMC Version	Management IP	
3.00.0	192.168.100.100	

Hardware Inventory
A detailed view of all physical components installed in the server.

- Processor (2)
- Memory (16)
- Storage (6)
- Network (3)
- Power (0)
- Fans (16)
- PCI (1)

Configuration Management

Server Configuration profiles ensure consistent settings across all managed servers. These profiles allow you to **provision or pre-provision servers** by applying configurations such as:

- Local storage
- I/O adapters
- Boot settings
- Firmware levels
- Network ports
- BMC and BIOS settings

Server profiles also support **I/O address virtualization**, enabling you to virtualize fabric connections or repurpose servers without disrupting the network fabric.

You can verify whether a server configuration complies with its assigned **server profile**. A server may become **non-compliant** if changes are made outside of the configuration process or if issues occur during deployment, such as firmware mismatches or invalid settings.

The screenshot displays the 'Server Profiles' management interface. At the top, there is a navigation bar with a 'Find and Add Devices' button and a user profile 'USERID'. The main heading is 'Server Profiles' with a sub-heading 'All Profiles (4) Manage pattern-based configurations for consistent server provisioning.' Below this, there is a 'Create Profile' button and a table listing four profiles. Each profile row includes a profile name with associated tags, a description, the number of assigned servers, a compliance status bar (green for compliant, yellow for non-compliant), and the last modified date. The table also shows '0 of 4 row(s) selected' and a 'Rows per page' dropdown set to 10.

Profile Name	Description	Assigned Servers	Compliance	Last Modified
Production Web Server <small>Production Web Https</small>	Standard configuration for all public-facing we...	3	<div style="width: 100%; height: 10px; background-color: green;"></div>	2024-07-28
GPU ML Worker <small>AI/ML GPU High-Performance</small>	High-performance profile for GPU-intensive m...	5	<div style="width: 100%; height: 10px; background-color: yellow;"></div>	2024-07-20
VMware ESX Host <small>Virtualization VMware Production</small>	Standard build for virtualisation hosts in the m...	3	<div style="width: 100%; height: 10px; background-color: green;"></div>	2024-06-15
Critical Database Server <small>Database Critical PostgreSQL</small>	Secure, high-I/O configuration for primary dat...	2	<div style="width: 100%; height: 10px; background-color: yellow;"></div>	2024-08-01

Operating System Deployment

Vantageo ManageGrid System Admin allows you to manage the OS image repository and deploy operating system images to managed servers.

To successfully deploy an OS image, at least one network interface (**Eth0** or **Eth1**) must have IP connectivity to the server's network interface used for accessing the host operating system. This interface must be configured with an **IPv4 address**.

The screenshot displays the Vantageo ManageGrid System Admin interface. At the top, there is a navigation bar with a search icon, a user profile icon labeled 'USERID', and a notification bell. Below the navigation bar, there are two buttons: 'Upload Image' and 'New Deployment'. The main content area is divided into two sections:

OS Image Repository (5) Manage your operating system images for deployment. This section contains a table with the following data:

Image Name	Version	OS Family	Tags	Status	Upload Date
Ubuntu Server	24.04 LTS	Linux	LTS, Production, Web	Approved	7/25/2024, 5:30:00 AM
Ubuntu Server	22.04 LTS	Linux	LTS, Legacy	Deprecated	5/10/2023, 5:30:00 AM
Windows Server	2022	Windows	Datacenter, Production	Approved	6/15/2024, 5:30:00 AM
Red Hat Enterprise Linux	9.4	Linux	Database, SAP	Approved	7/1/2024, 5:30:00 AM
Debian	12 "Bookworm"	Linux	Community, Testing	Pending	8/1/2024, 5:30:00 AM

Below the table, it indicates '0 of 5 row(s) selected.' and 'Rows per page 10'.

Deployment Activity (5) Monitor the status of active and recent OS deployment jobs. This section contains a table with the following data:

Server	OS Image	Status	Progress	Initiated By	Actions
vantageo-dense-1025	Ubuntu Server 24.04 LTS	In Progress	45%	admin	View Logs, Cancel

Firmware Updates

With **Vantageo ManageGrid System Admin**, you can manage the firmware update repository and apply or activate firmware updates across managed endpoints.

To maintain compliance, you can create and enforce **firmware compliance policies**, which automatically flag endpoints that do not meet the defined firmware standards. Refreshing the repository and downloading updates requires an **active Internet connection**. If the suite does not have Internet access, you can **manually import firmware updates** into the repository.

Vantageo ManageGrid System Admin provides proactive detection of outdated BIOS, and BMC Firmware, ensuring infrastructure remains compliant and optimized. It also enables secure, remote updates of system software and firmware components, allowing administrators to centrally manage and maintain server health with minimal manual intervention.

The firmware update interface provides an intuitive way to **apply and activate updates** on selected devices or groups of devices, ensuring systems remain secure and up to date.

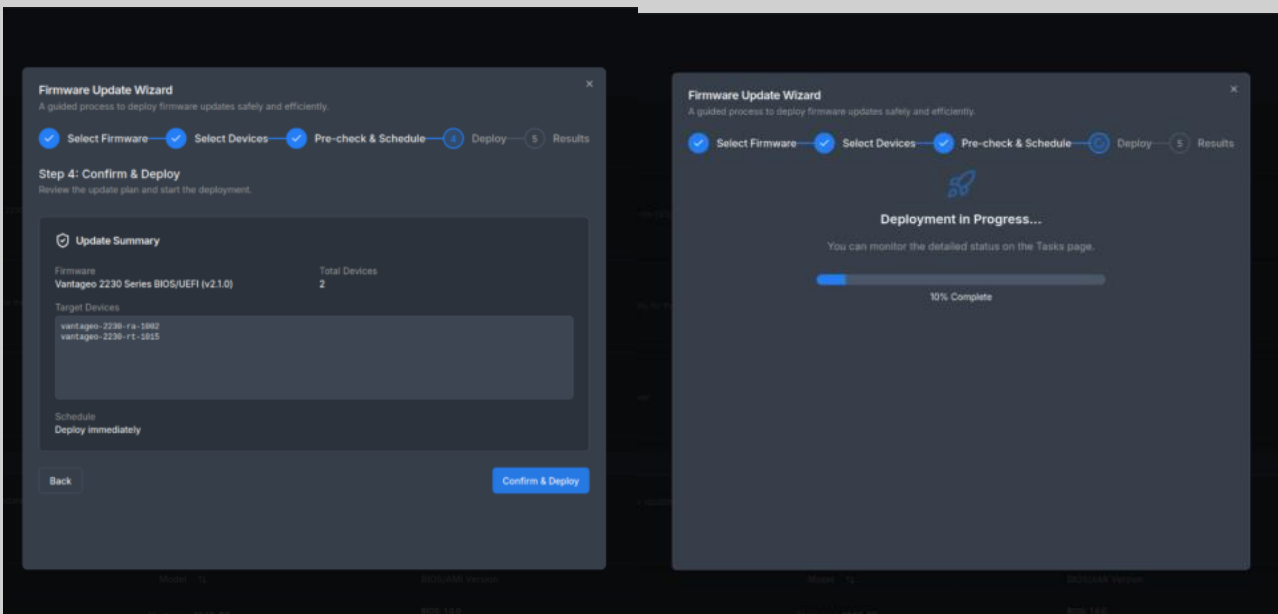
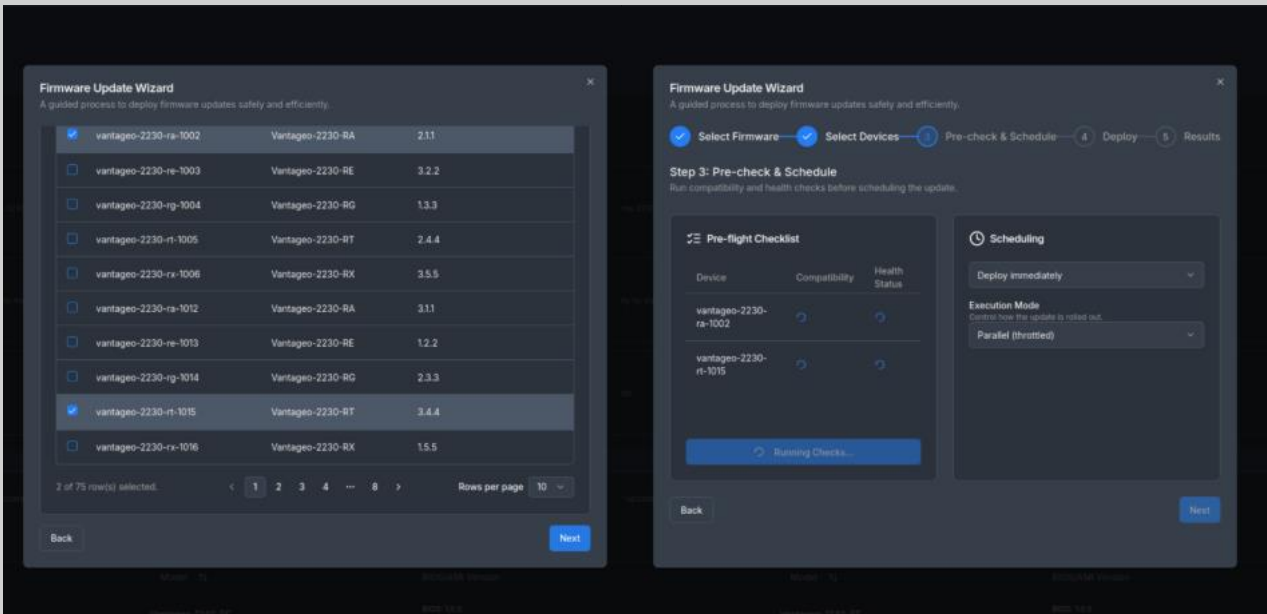
The screenshot displays the 'Firmware updates' section of the Vantageo ManageGrid System Admin interface. The top navigation bar includes a 'Find and Add Devices' button and a user profile 'USERID'. The main content area is divided into two sections: 'Repository' and 'Device Inventory'.

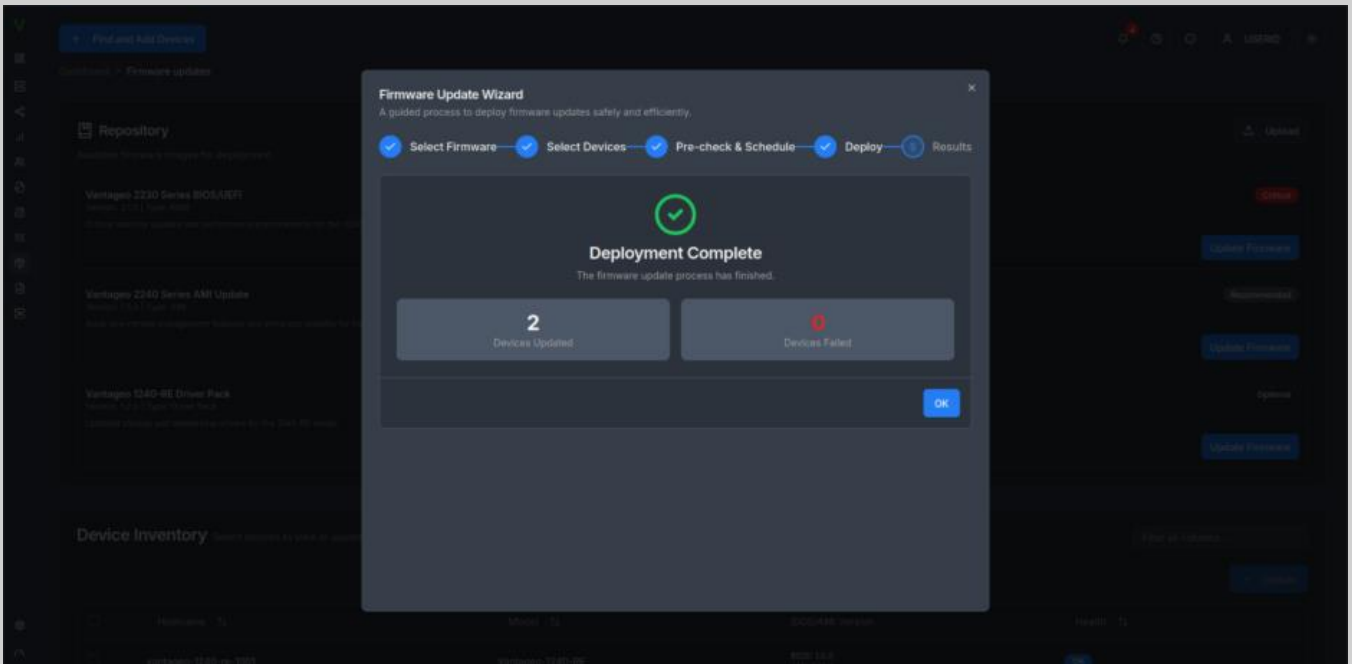
Repository (Available firmware images for deployment):

- Vantageo 2230 Series BIOS/UEFI** (Version: 2.1.0 | Type: BIOS) - Critical - Update Firmware
- Vantageo 2240 Series AMI Update** (Version: 1.5.0 | Type: AMI) - Recommended - Update Firmware
- Vantageo 1240-RE Driver Pack** (Version: 1.2.0 | Type: Driver Pack) - Optional - Update Firmware

Device Inventory (Select devices to view or update firmware):

Hostname	Model	BIOS/AMI Version	Health
vantageo-1740-re-1001	Vantageo-1740-RE	BIOS 1.0.0	OK





Task Automation Using Scripts

Vantageo ManageGrid System Admin provides multiple options for automating management tasks through scripting. It offers:

- **REST APIs**
- **Python Client**

These tools allow you to automate provisioning, configuration, and resource management, as well as integrate the suite's capabilities into external applications and orchestration platforms.

Vantageo ManageGrid System Admin includes a powerful RESTful API tool for large-scale server provisioning. It enables automated discovery of hardware resources and seamless OS/image deployment across clusters, streamlining operations for admins handling extensive datacenter environments.

REST API

The suite includes a set of easy-to-use **REST APIs**, accessible via **HTTPS**, based on REST architecture. These APIs enable external applications to interact with **Vantageo ManageGrid System Admin** for tasks such as:

- Logging in
- Managing and unmanaging servers
- Collecting inventory data
- Deploying operating system images
- Applying configuration Profiles
- Updating firmware
- Managing user accounts
- Monitoring events and metrics

Python Client

The **Python Toolkit** integrates with OpenStack environments (such as Ansible or Puppet) and provides commands to automate:

- Login and authentication
- Endpoint management
- Inventory viewing
- OS deployment
- Configuration pattern application
- Firmware updates

Note: Free downloads of **Vantageo ManageGrid System Admin** do **not** include technical support. To receive support, you must purchase a **Vantageo License** for each physically managed device.

License Entitlements

Each **Vantageo System Management Software License** provides the following benefits for a device:

- Service and support for **Vantageo ManageGrid System Admin**
- Access to advanced features:
 - Server configuration using **Configuration Patterns**
 - Operating system deployment
 - Reporting issues via **Call Home**

Licenses must be purchased for **each managed device** to qualify for service and support. Compliance is based on the number of managed devices using advanced features.

<https://vantageo.com>

For any enquiries, write to us at support@vantageo.com

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