# **Prism introduction**

Overview of Prism

### Prism architecture

Prism is a distributed resource management platform which allows users to manage and monitor objects and services across their Nutanix environment, whether hosted locally or in the cloud.

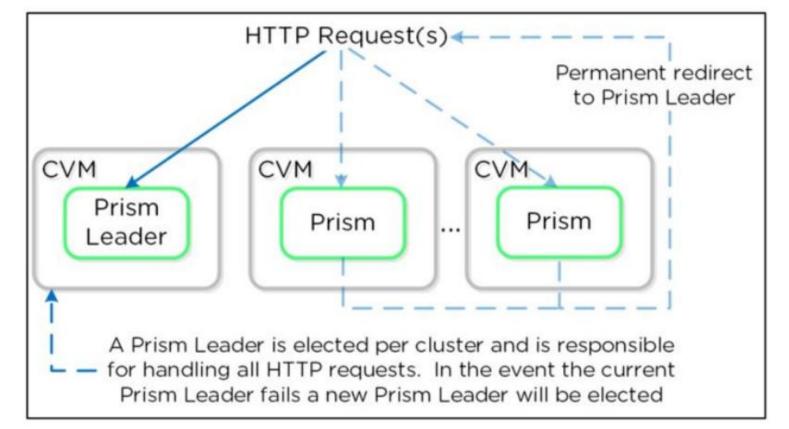
These capabilities are broken down into two key categories:

- Interfaces
  - HTML5 UI, REST API, CLI, PowerShell CMDlets, etc.
- Management capabilities
  - Platform management, VM / Container CRUD, policy definition and compliance, service design and status, analytics and monitoring



### **Prism service**

A Prism service runs on every CVM, and an elected Prism Leader is responsible for handling HTTP requests. Similar to other components which have a Master, if the Prism Leader fails, a new one will be elected. When a CVM which is not the Prism Leader gets an HTTP request, it will permanently redirect the request to the current Prism Leader using HTTP response status code 301.

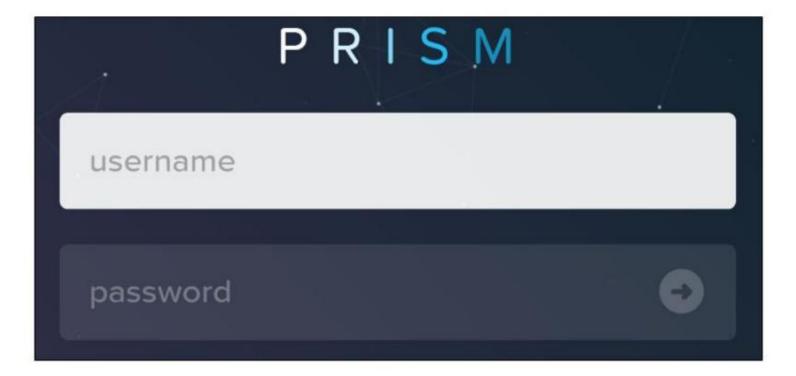




# **Logging in to Prism**

Prism can be accessed using the IP address specified during configuration or corresponding DNS entry. Prism Element can be accessed via Prism (by clicking on a specific cluster) or by navigating to any Nutanix CVM or cluster IP (preferred).

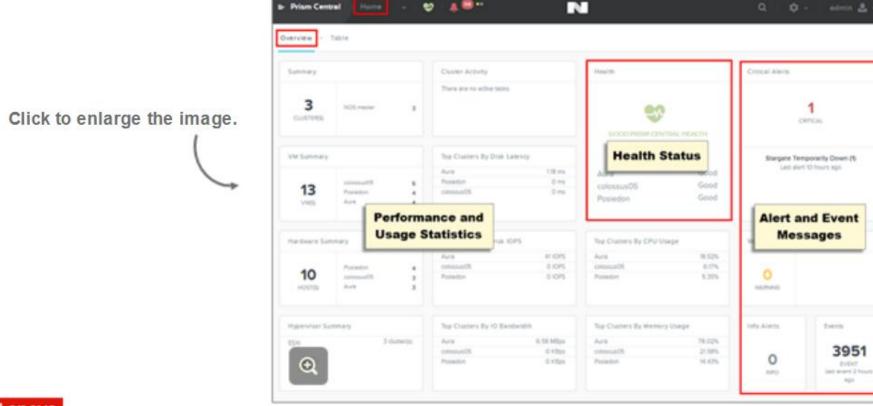
The Login page will be displayed, and you should use your Prism or Active Directory credentials to log in.



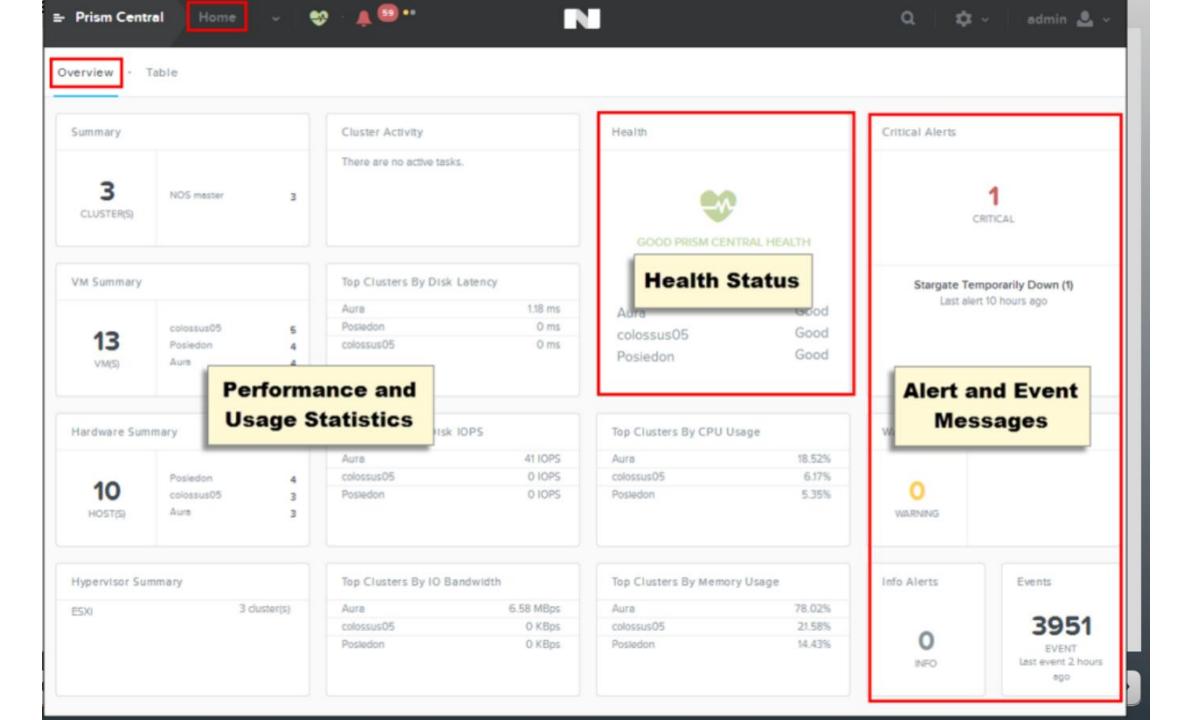


#### **Prism Central Home dashboards**

The Prism Central Home Overview page displays cluster-level performance and usage statistics, health status information, and the most recent alert and event messages. The following figure is a sample view, and the different fields are described in the following slides.

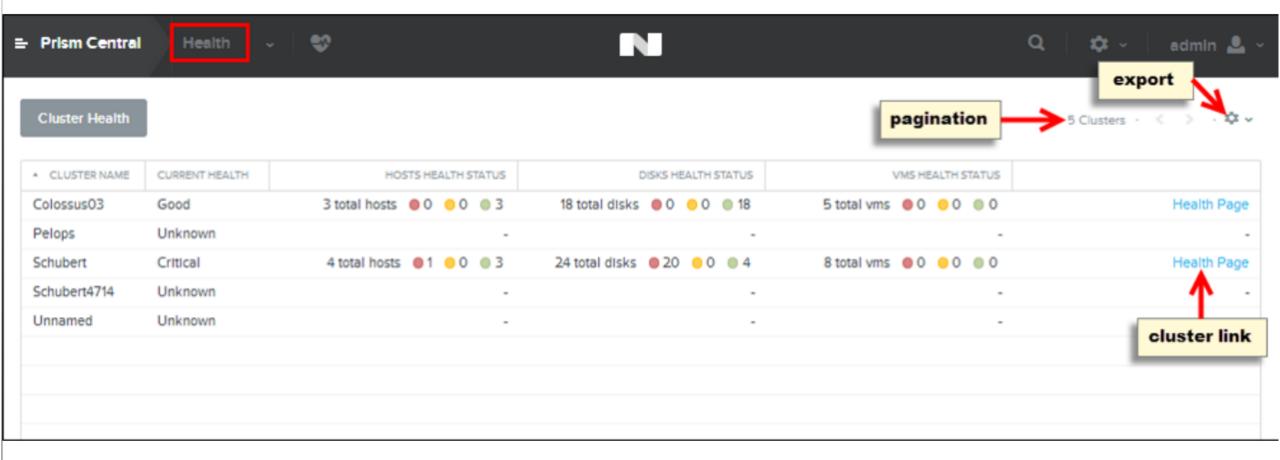






#### Prism Central Health dashboard

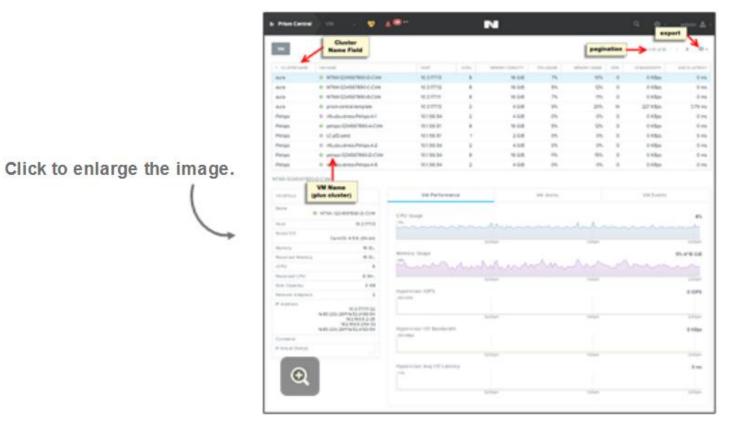
The Prism Central Health dashboard displays dynamically updated health information about the hosts, disks, and VMs across the registered clusters.



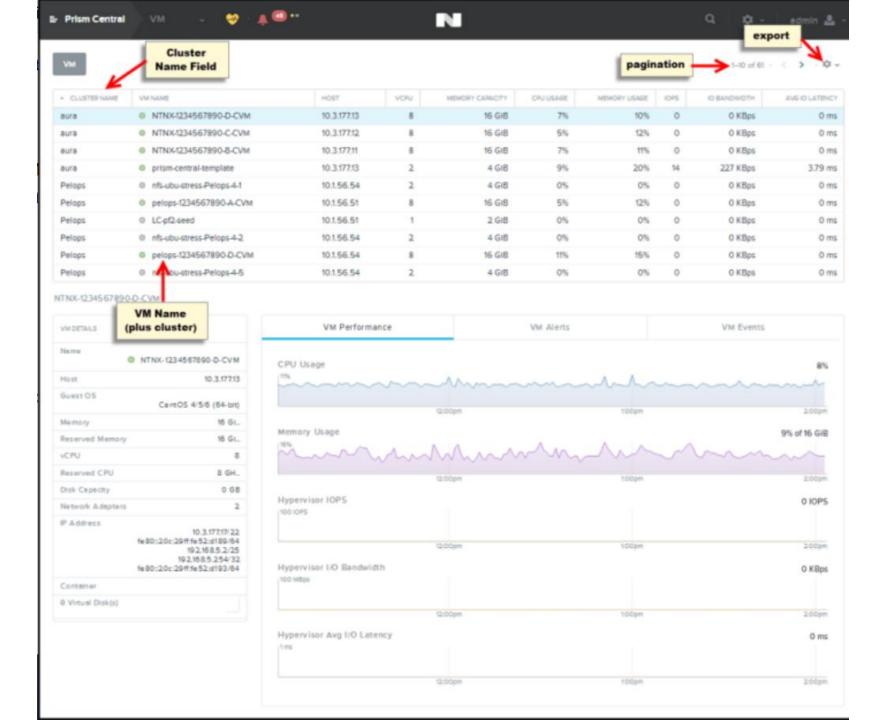


### **Prism Central VM dashboard**

The Prism Central VM dashboard displays dynamically updated information about the VMs across the registered clusters.

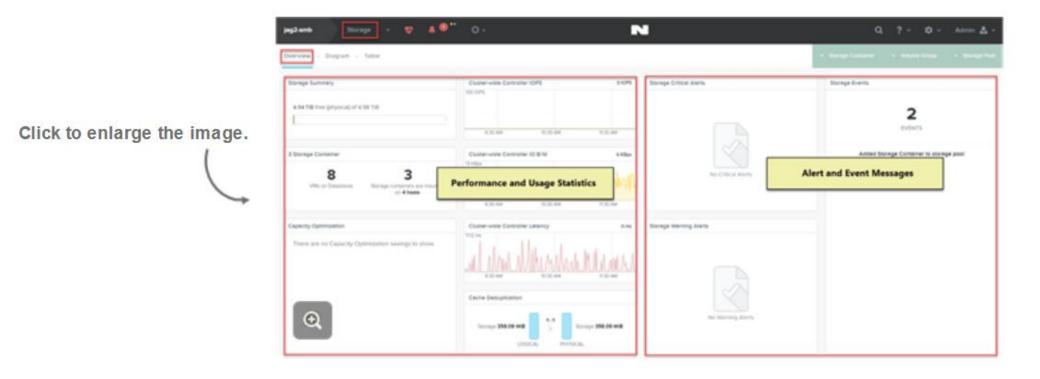




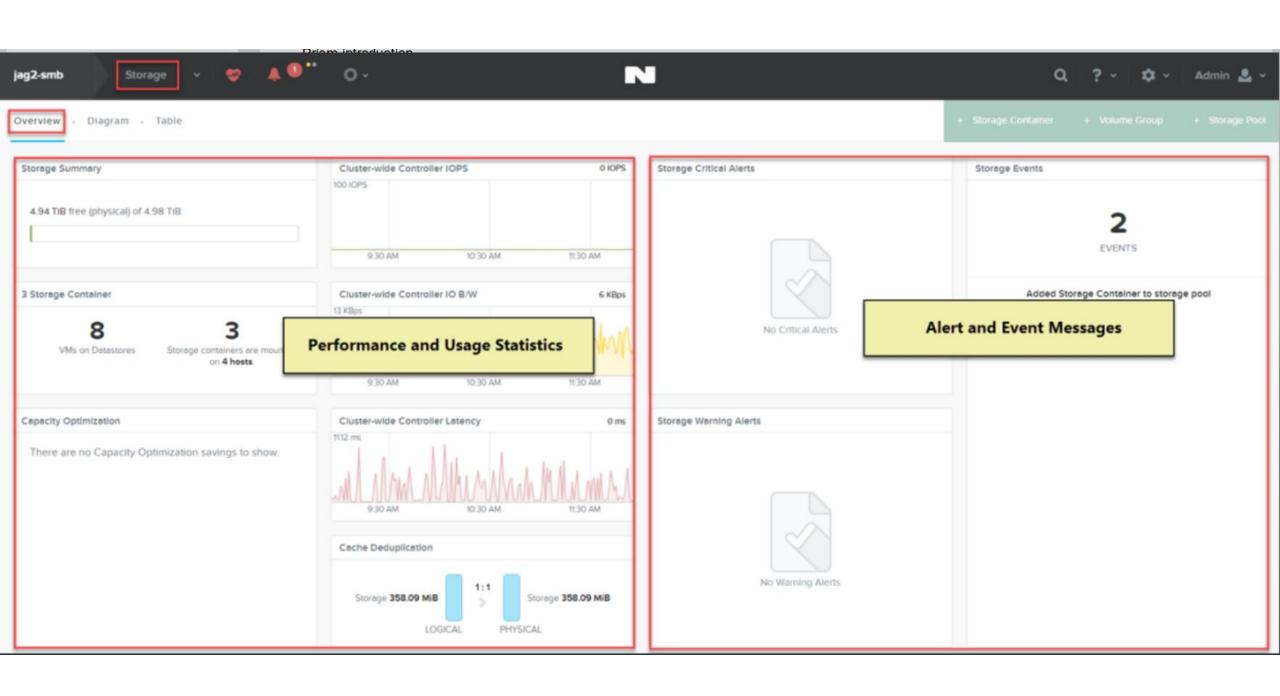


# **Prism Central Storage dashboard**

The Storage Overview page displays dynamically updated storage-specific performance and usage statistics and also the most recent storage-specific alert and event messages. Several fields include a slide bar, allowing users to see additional information in that field.

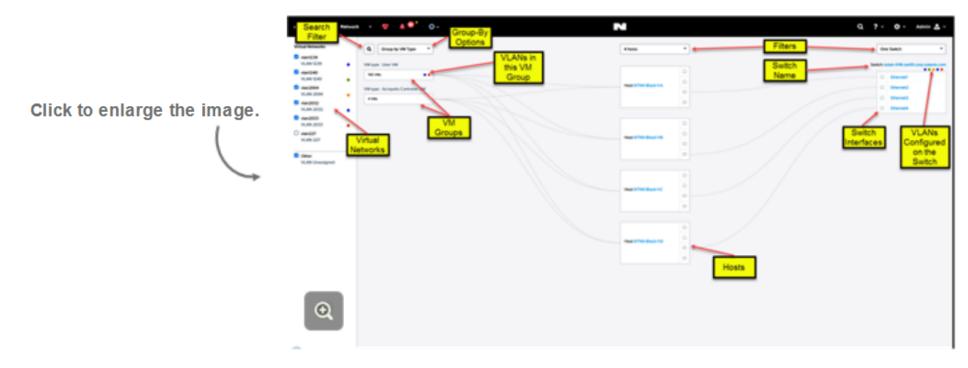




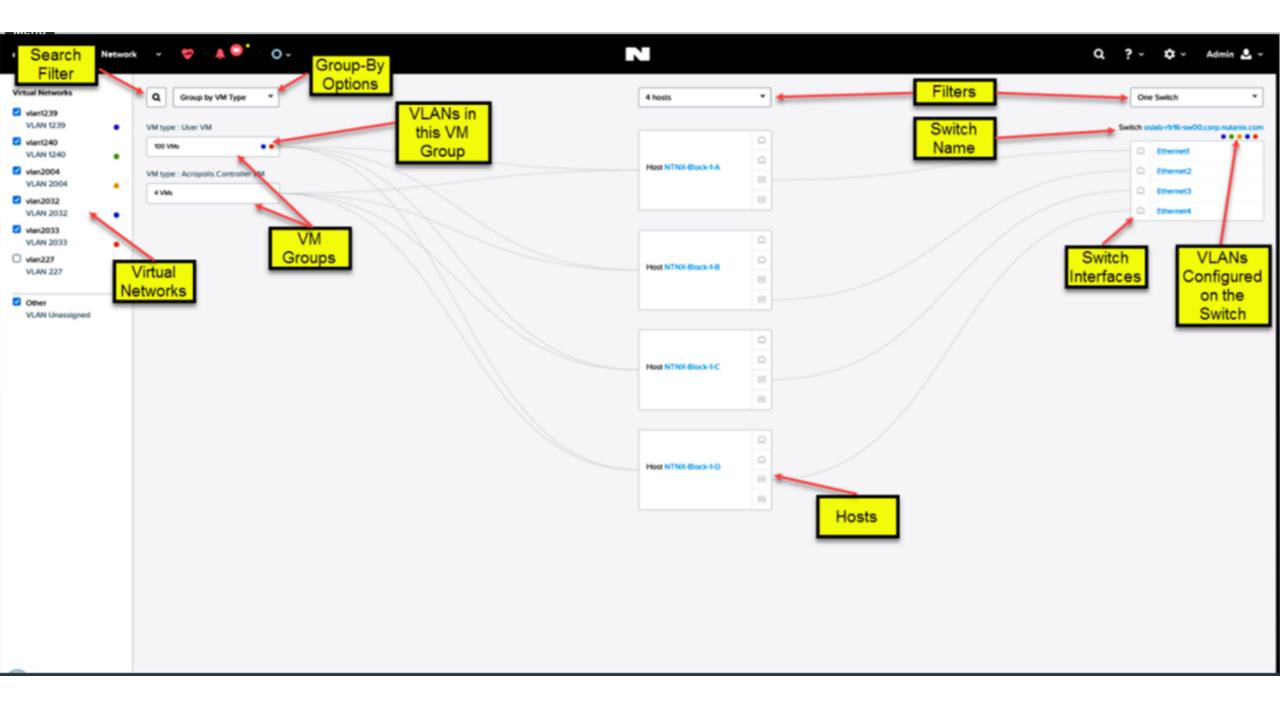


#### Prism Central Network dashboard

The network visualizer displays interactive visual elements for the networked devices and for network components such as physical and logical interfaces. It also provides filtering and grouping capabilities that can be used to limit the display to a specific set of networked devices and connections. The network visualizer includes the virtual networks pane and the topology view.

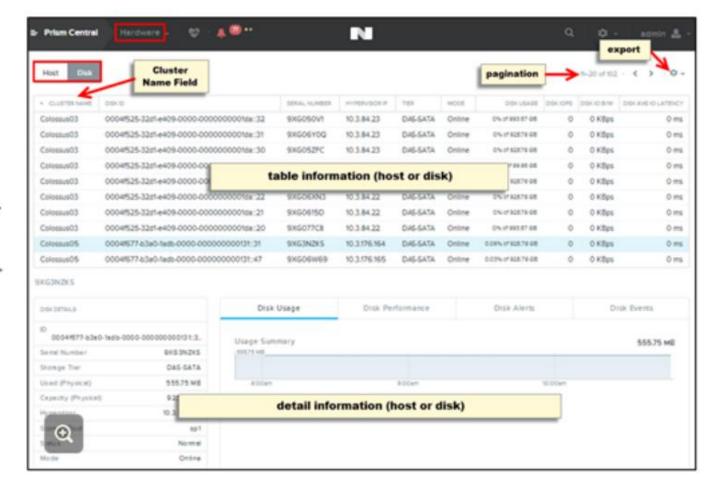






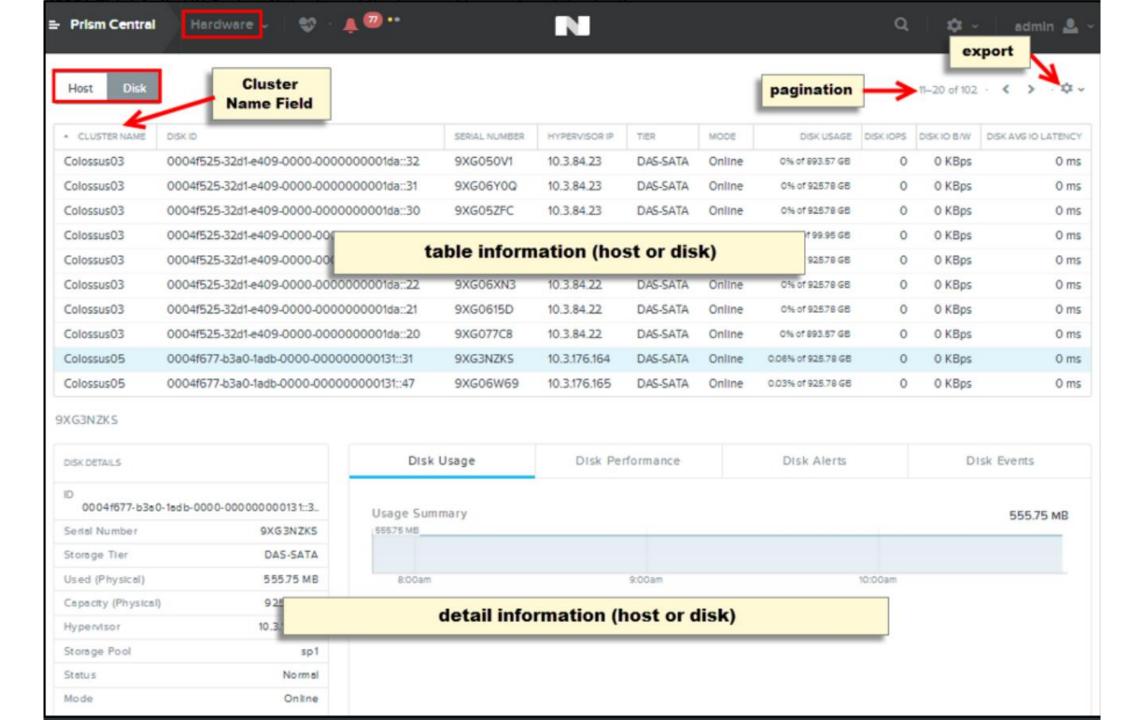
#### Prism Central Hardware dashboard

The Prism Central Hardware dashboard displays dynamically updated information about the hosts and disks across the registered clusters.



Click to enlarge the image.

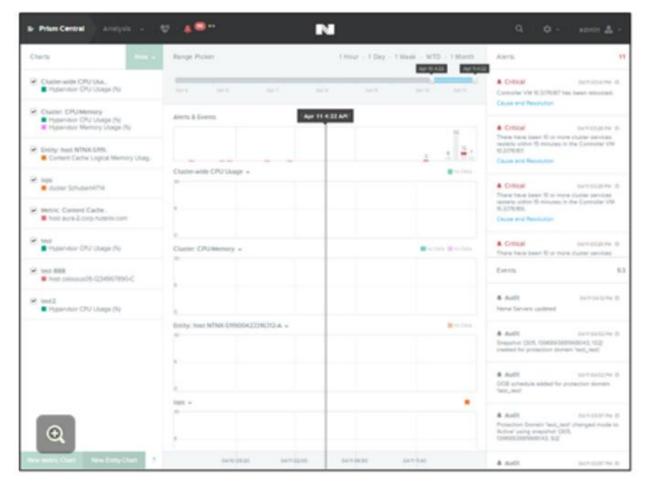




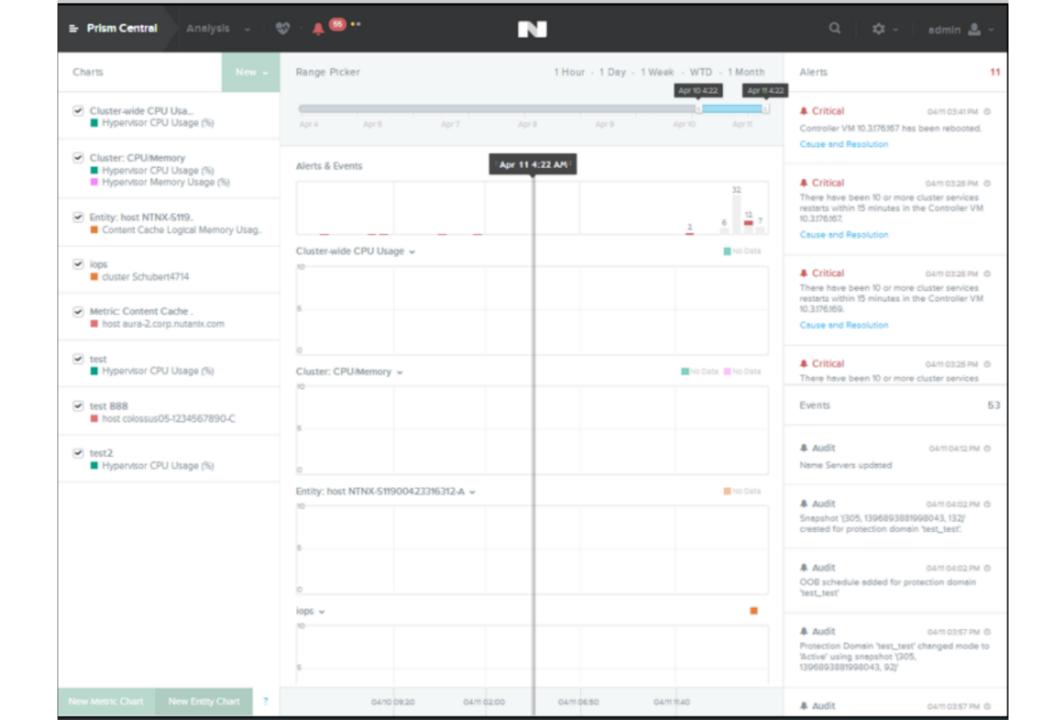
# Prism Central Analysis dashboard

The Prism Central Analysis dashboard allows users to create charts that can dynamically monitor a variety of performance measures across the registered clusters.



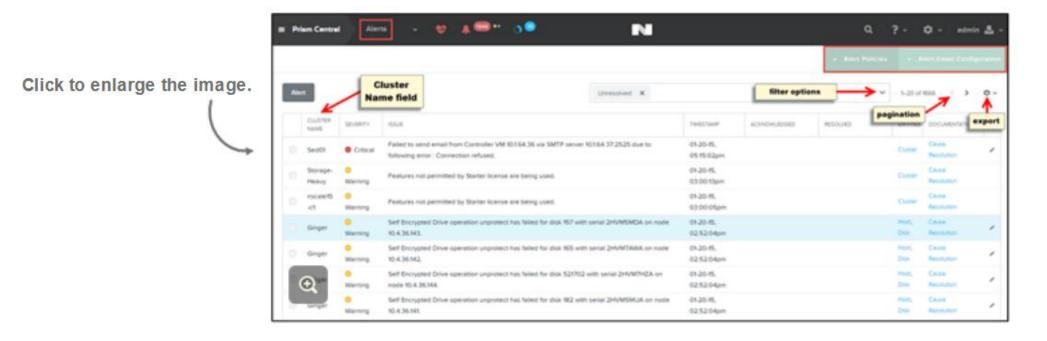




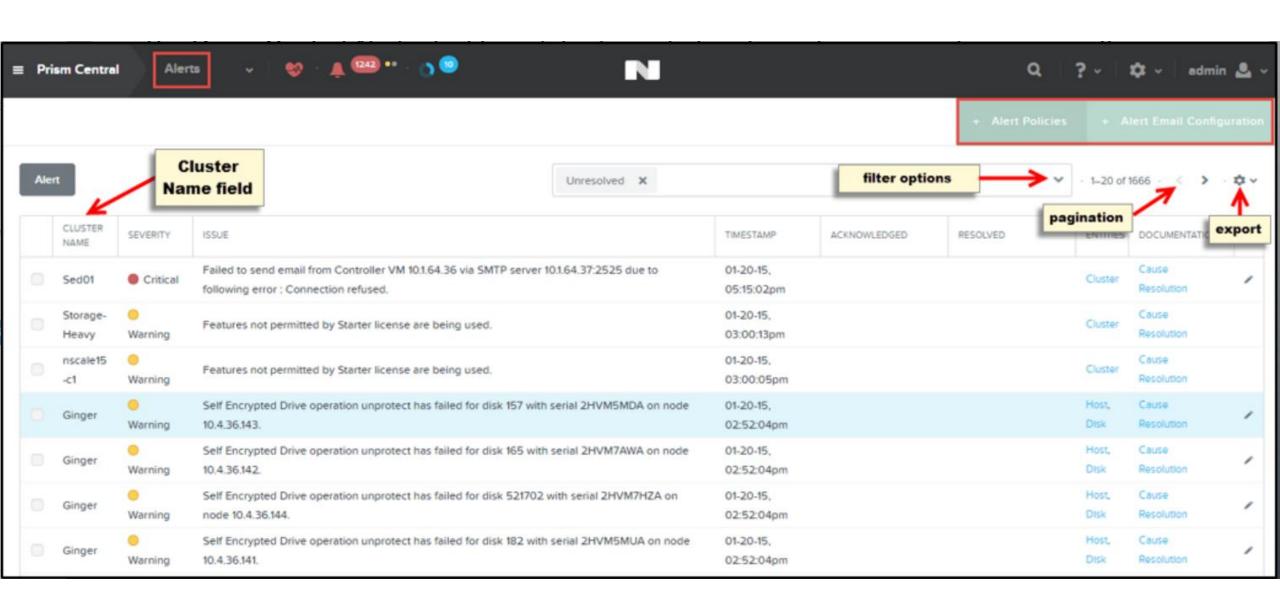


### **Prism Central Alerts dashboard**

The Prism Central Alerts dashboard displays alert and event messages from across the registered clusters. Click specific alerts to check details and resolutions.







# Required logs for Prism issue resolution

When working with a customer on a Prism issue, the following information should be collected:

- A detailed description
  - Prism version
  - Prism Element/Cluster version
  - NCC version on Prism
  - If it's an upgrade issue, the original and upgraded versions
  - Steps needed to reproduce the issue add as many command outputs and screenshots as possible. If a video is possible, provide that as well.
  - Any necessary log snippets
  - Any relevant background information about the setup or the issue
- NCC log collector bundle
  - Upload the log bundle to support Nutanix Analysis

