

# Brocade SANnav Management Portal and SANnav Global View

Brocade switch management software

Lenovo

# Fabric management application

Lenovo offers optional Brocade SANnav Management Portal and SANnav Global View software license subscriptions that provide comprehensive visibility into the SAN environment, allowing administrators to quickly identify, isolate, and correct problems, and accelerate administrative tasks by simplifying and automating workflows.

SANnav Management Portal supports all Brocade SAN switches and platforms that run Fabric OS version 7.4 or later, including Lenovo B300, B6505, B6510, DB610S, DB620S, DB400D, DB710S, DB720S, DB730S, DB800D, Brocade Directors, and FC5022.

With SANnav Global View, administrators can quickly visualize the health, performance, and inventory of multiple SANnav Management Portal instances using a simple, intelligent dashboard and can easily navigate from a global view down to local environments to investigate points of interest. SANnav Global View is designed to manage up to 20 SANnav Management Portal instances and up to 120,000 ports.

**Note:** For more information, refer to the SANnav Management Portal and SANnav Global View [FAQs](#).

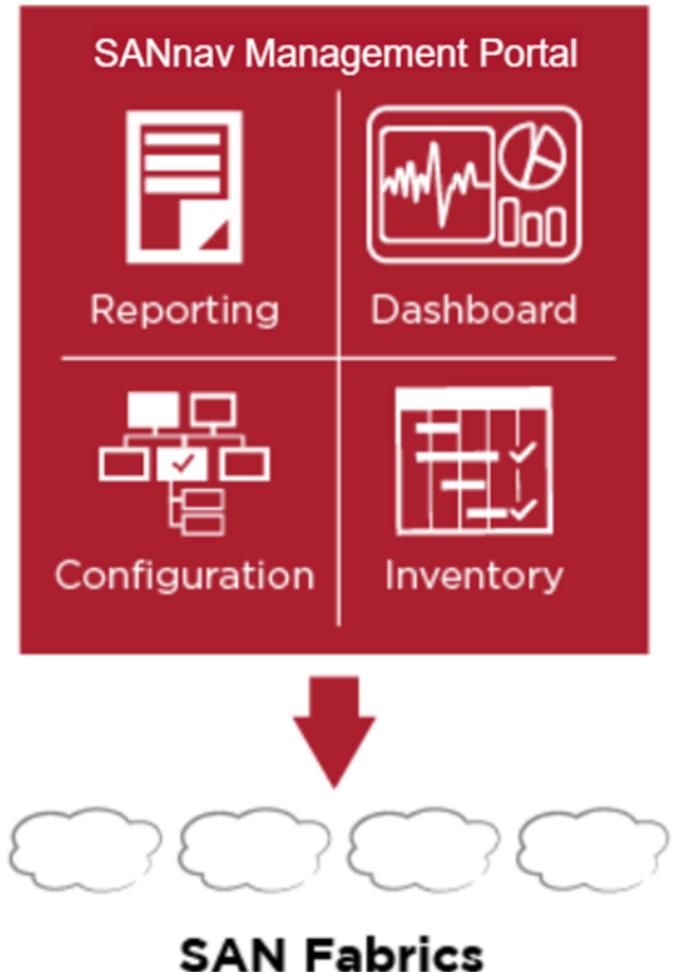
# SANnav Management Portal

SANnav Management Portal is a next-generation SAN management application with a simple browser-based user interface (UI) and a focus on streamlining common workflows, such as configuration, zoning, deployment, monitoring, troubleshooting, reporting, and analytics.

Lenovo offers the following SANnav Management Portal subscriptions:

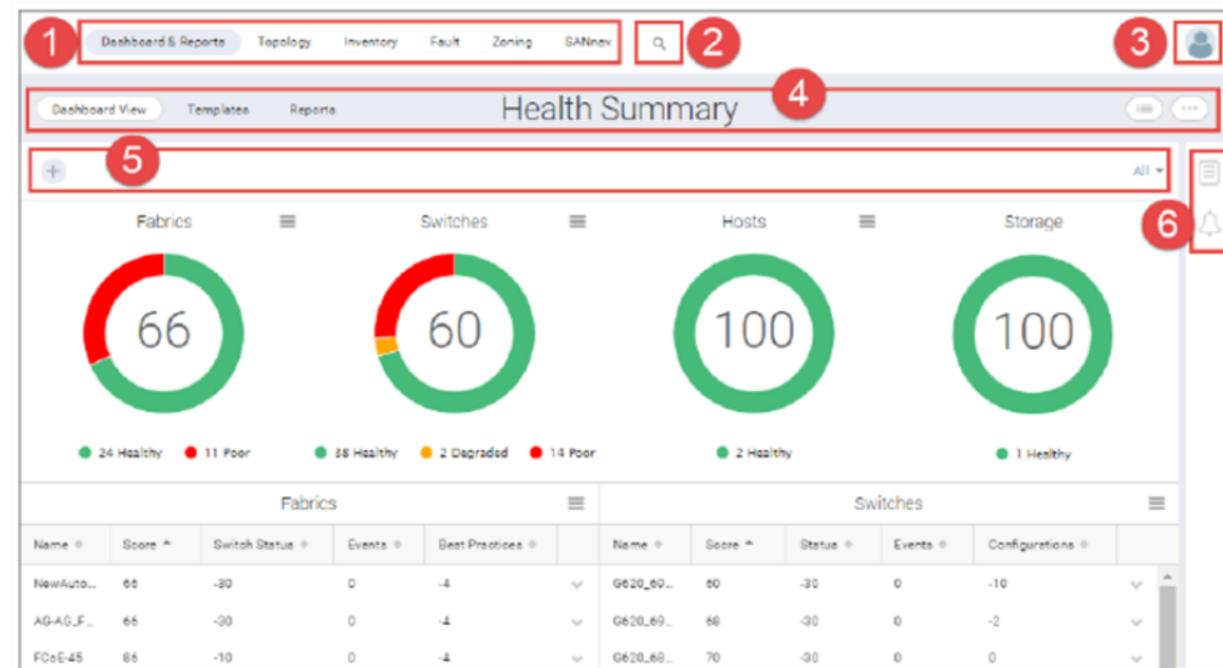
- SANnav Management Portal Base – Designed for mid-sized SANs, it can manage up to 600 SAN switch ports (SAN director ports can only be managed with the Enterprise edition)
- SANnav Management Portal Enterprise – Designed for enterprise-class SANs, it can manage up to 15,000 SAN switch and director ports

For more information, refer to this SANnav Management Portal [documentation](#).



# SANnav Management Portal user interface

1. Navigation bar – Click these options to access specific feature pages
2. Global search – Click the magnifying glass icon, select a search context, and then enter the search term in the field
3. Profile menu – Contains links to help users change user preferences, display the SANnav version, and log out
4. Subnavigation bar – Provides the page title and optional item count within parentheses – the subnavigation bar is the main way to navigate within a feature
5. Filter bar – Allows users to filter the display based on columns, fabrics, and customized filters
6. Expandable sidebar – Provides options for saving selected inventory items for later investigation and for checking notifications



# SANnav Management Portal tabs

There are seven tabs on the navigation bar: **Dashboard & Reports, Topology, Inventory, Fault, Zoning, SANnav**, and a magnifying glass icon for Global Search

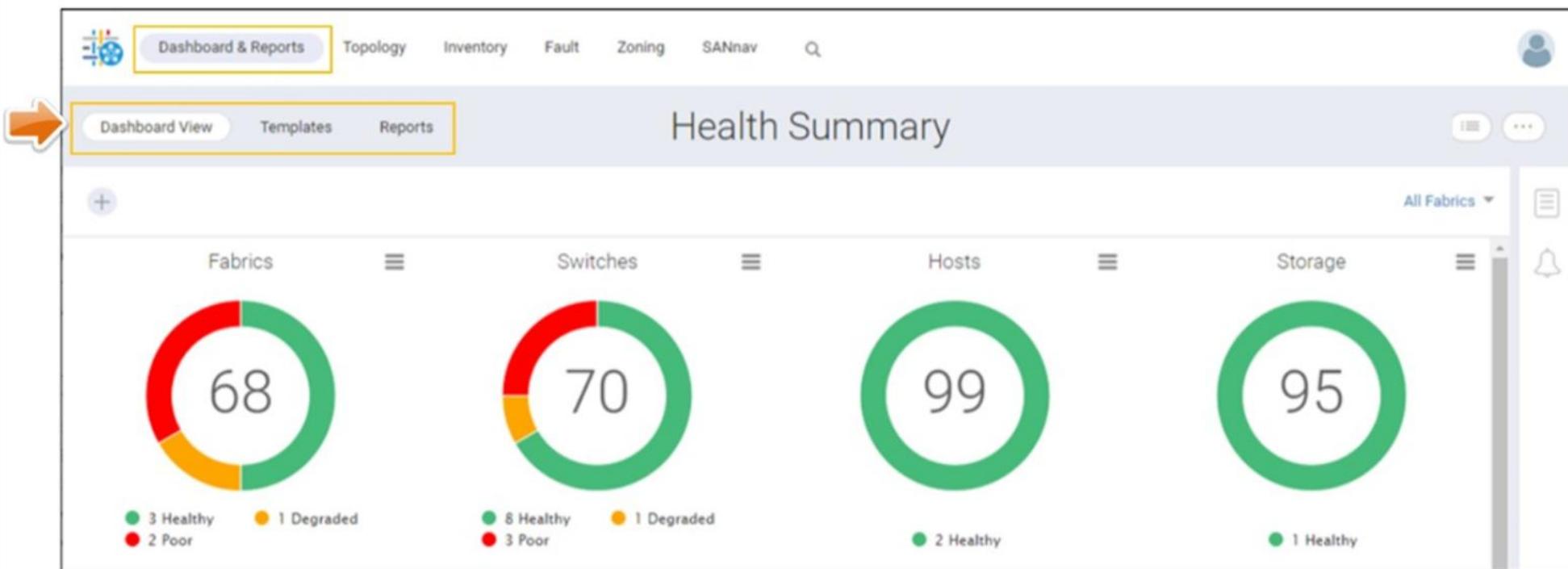
The screenshot shows the Brocade SANnav Management Portal interface. At the top is a navigation bar with tabs: Dashboard & Reports (highlighted in yellow), Topology, Inventory, Fault, Zoning, SANnav, and a magnifying glass icon for Global Search. A yellow callout box points to the user icon in the top right corner with the text: "Click the user icon to configure user preferences". Another yellow callout box on the left side of the dashboard area contains the text: "More information about these tabs will be covered throughout this module". The main dashboard is titled "Health Summary" and displays four circular KPIs for different fabric components:

- Fabrics:** 68 (3 Healthy, 2 Poor)
- Switches:** 70 (8 Healthy, 3 Poor, 1 Degraded)
- Hosts:** 99 (2 Healthy)
- Storage:** 95 (1 Healthy)

On the right side of the dashboard, there are buttons for "All Fabrics", a document icon, and a bell icon.

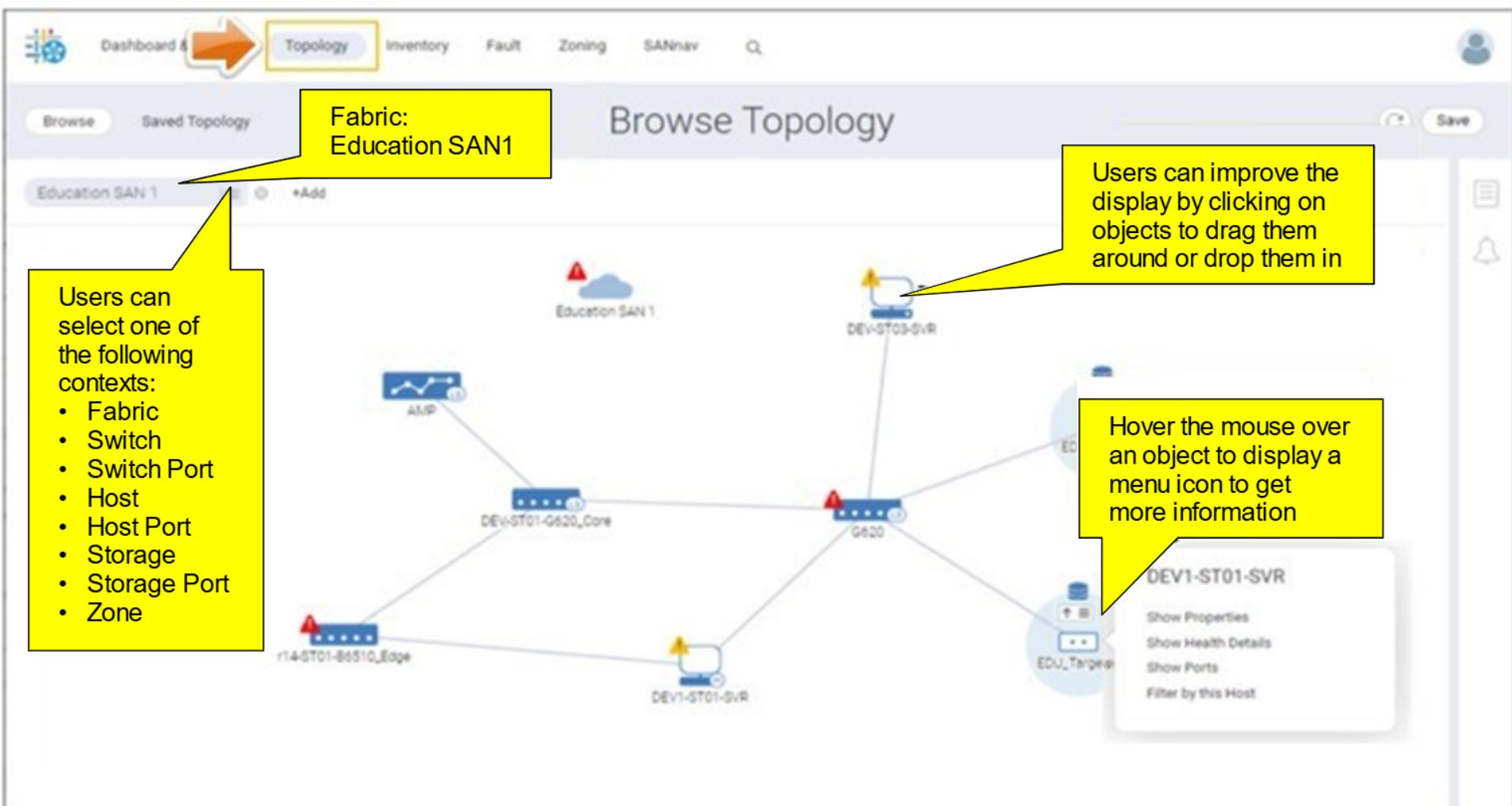
# Dashboard & Reports

- **Dashboard View** is the Health Summary dashboard  
Overall health is determined by the health score: Over 90 is **Healthy**, 71 through 90 is **Degraded**, and 70 or less is **Poor**
- Use **Templates** to create custom dashboards and reports
- Use **Reports** to check and export reports



# Topology

This figure shows an example of a fabric including end devices.



# Inventory

On the **Inventory** page, users check and manage the inventory of all discovered **Switches**, **Switch Ports**, **Hosts**, **Host Ports**, **Virtual Machines** (if vCenter has been discovered), **Storage**, **Storage Ports**, **Fabrics**, and **Chassis**.

Supported objects are:

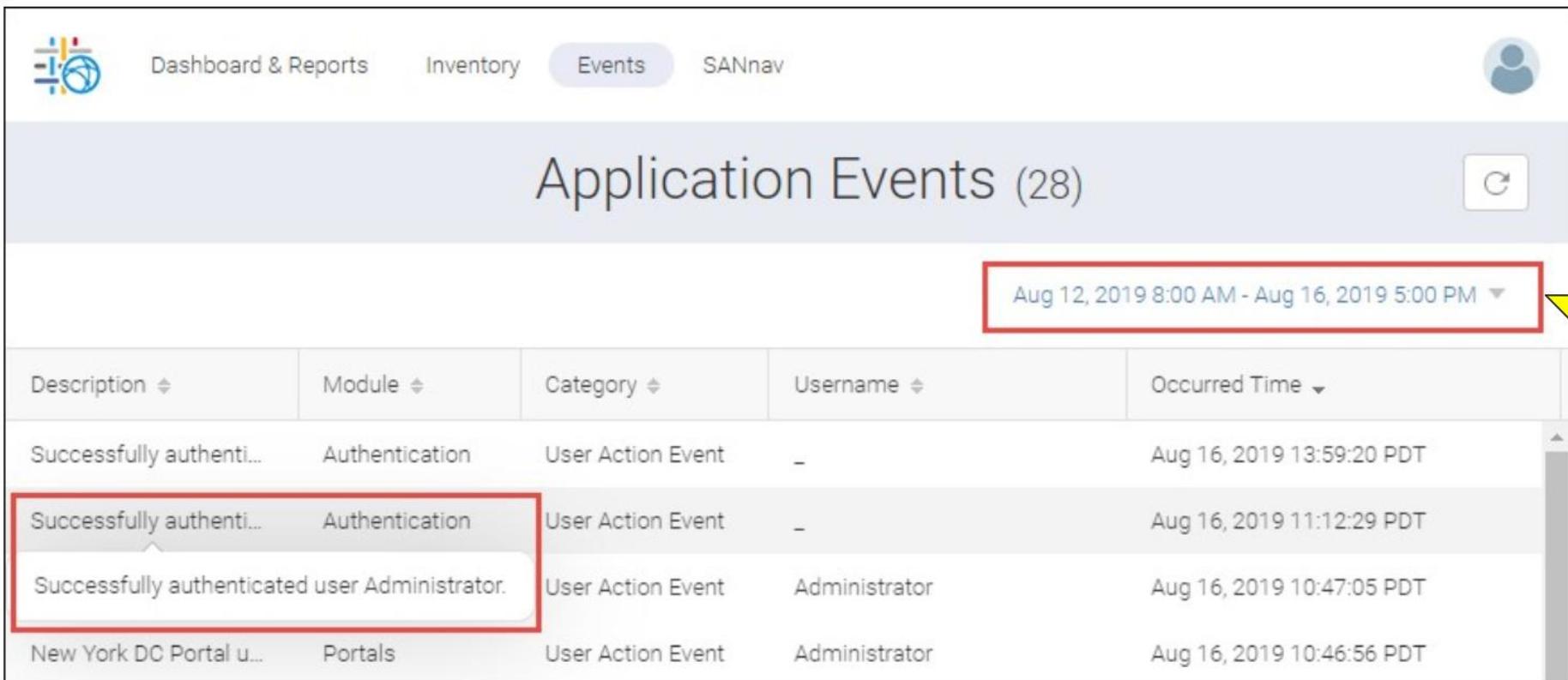
- Switches
- Switch Ports
- Hosts
- Host Ports
- Virtual Machines
- Storage
- Storage Ports
- Fabrics
- Chassis

The contents of these drop-down menus will vary depending on the selected object. In this example, **Fabrics** has been selected.

Seed Sw...	Principa...	FID	Switch Count	Member...	Last Dis...
se30	10.124.91.3	10.124.91.3	30	2	-
switch	10.124.91.24	10.124.91.24	128	1	-
	10.124.91.14	10.124.91.13	-	3	-
	10.124.91.4	10.124.91.5	20	3	New changes
	10.124.91.4	10.124.91.4	128	1	-
Fabric_20	10.124.91.24				New changes

# Events

The **Events** tab lists all the application events stemming from either a user or a system action. System actions are triggered under certain situations, such as when a portal is disconnected.



The screenshot shows the 'Events' tab of the Brocade SANnav Management Portal. The top navigation bar includes 'Dashboard & Reports', 'Inventory', 'Events' (which is highlighted in blue), and 'SANnav'. A user icon is in the top right. The main content area is titled 'Application Events (28)'. A date range selector shows 'Aug 12, 2019 8:00 AM - Aug 16, 2019 5:00 PM'. The event table has columns: Description, Module, Category, Username, and Occurred Time. The first event in the list is highlighted with a red box: 'Successfully authenti...' (truncated), 'Authentication', 'User Action Event', '-' (truncated), and 'Aug 16, 2019 13:59:20 PDT'. A yellow callout box points to the date range selector with the text: 'A timeframe for the events – the default is **Last 30 minutes**'. Another yellow callout box points to the event table with the text: 'Users can select a standard timeframe – for example, **Last week** – or a specific date/time range'.

Description	Module	Category	Username	Occurred Time
Successfully authenti...	Authentication	User Action Event	-	Aug 16, 2019 13:59:20 PDT
Successfully authenti...	Authentication	User Action Event	-	Aug 16, 2019 11:12:29 PDT
Successfully authenticated user Administrator.	User Action Event	Administrator	Administrator	Aug 16, 2019 10:47:05 PDT
New York DC Portal u...	Portals	User Action Event	Administrator	Aug 16, 2019 10:46:56 PDT

# Zoning

The **Zoning** page has five tabs: **Zone Configurations**, **Zones**, **Zone Aliases**, **Zone Inventory**, and **Policies**. On the **Zone Configurations** tab, select a fabric to show zone configurations or click **+** to add a new configuration.

Click the tab to display the dashboard

Select your fabric

EDU\_Fabric1

View  
Compare  
Show Details

Zone Configurations (4)

Zone Configurations

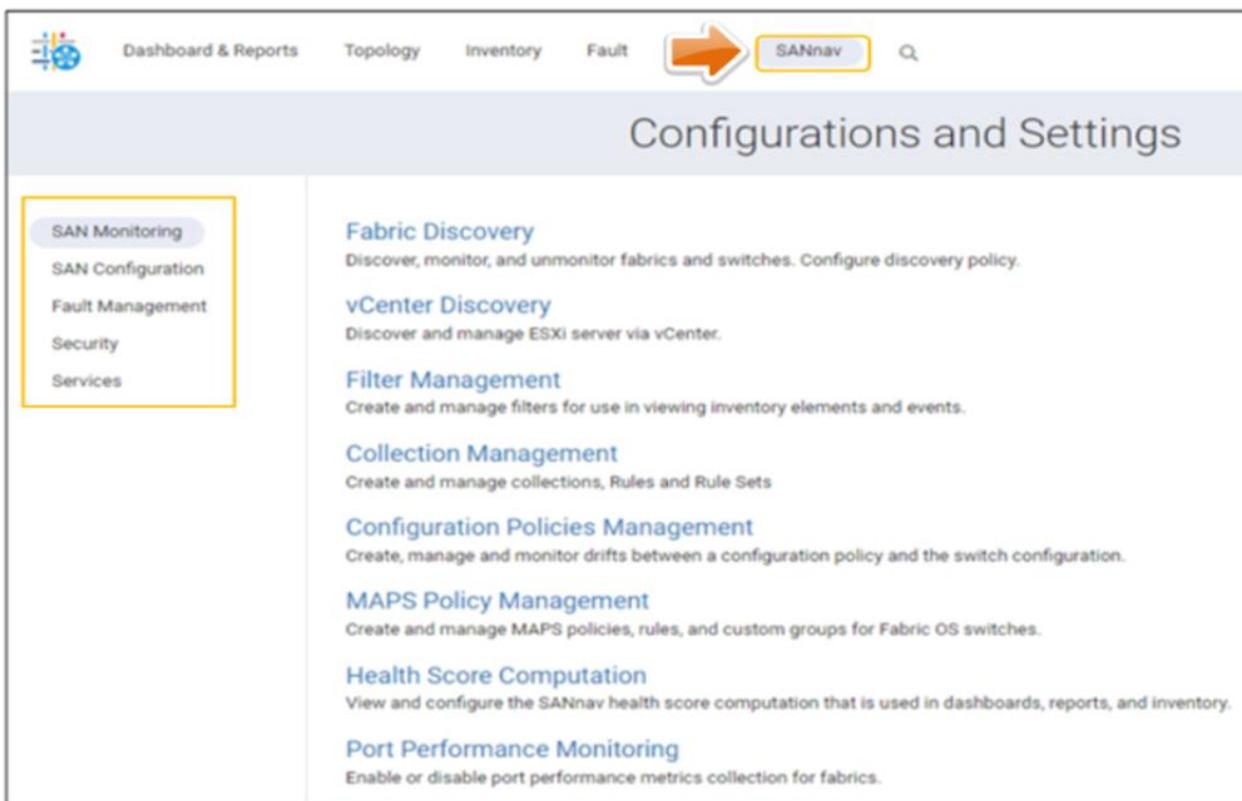
Five zoning tabs

Click the down arrow to open the drop-down menu

Name	Status	Tags
demo_cfg	Effective	-
demo_cfg	Defined (Copy)	-
Production	Defined	-
Edu_cfg	Defined	-

# SANnav

Use the **SANnav** page to manage all the configurations and settings. There are five tabs on this page: **SAN Monitoring**, **SAN Configuration**, **Fault Management**, **Security**, and **Services**. Each of these tabs contains multiple menus.



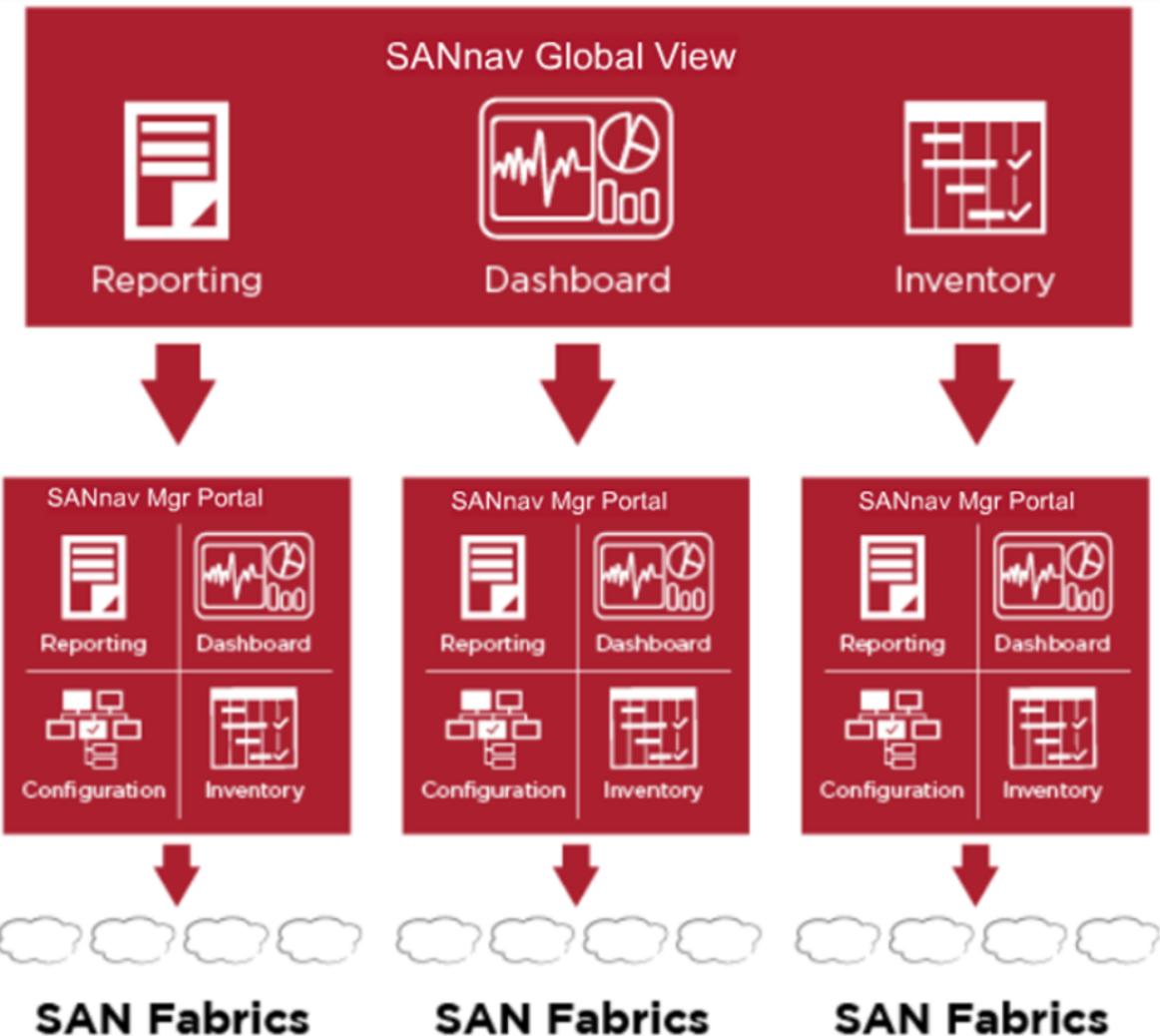
The screenshot shows the SANnav Management Portal interface. At the top, there is a navigation bar with tabs: Dashboard & Reports, Topology, Inventory, Fault, SANnav (which is highlighted with an orange arrow and a yellow box), and a search icon. Below the navigation bar, the title 'Configurations and Settings' is displayed. On the left, a sidebar contains five menu items: SAN Monitoring, SAN Configuration, Fault Management, Security, and Services, with 'SAN Monitoring' also highlighted by a yellow box. The main content area lists several configuration management tasks:

- Fabric Discovery**: Discover, monitor, and unmonitor fabrics and switches. Configure discovery policy.
- vCenter Discovery**: Discover and manage ESXi server via vCenter.
- Filter Management**: Create and manage filters for use in viewing inventory elements and events.
- Collection Management**: Create and manage collections, Rules and Rule Sets
- Configuration Policies Management**: Create, manage and monitor drifts between a configuration policy and the switch configuration.
- MAPS Policy Management**: Create and manage MAPS policies, rules, and custom groups for Fabric OS switches.
- Health Score Computation**: View and configure the SANnav health score computation that is used in dashboards, reports, and inventory.
- Port Performance Monitoring**: Enable or disable port performance metrics collection for fabrics.

# SANnav Global View

With SANnav Global View, administrators can quickly visualize the health, performance, and inventory of multiple SANnav Management Portal instances using a simple, intelligent dashboard. They can also easily navigate from a global view down to local environments to investigate points of interest.

- SANnav Global View is an independent application
- It collects data from multiple SANnav Management Portals and provides consolidated access
- It consolidates and presents results through the Reporting, Dashboard, and Inventory pages
- Global View is used for monitoring only
  - Configuration is done at the portal level
- Users can launch SANnav Management Portal from a Global session



# SANnav Global View user interface

1. Navigation bar – Contains links to feature pages  
Go to the **SANnav** page to manage settings and configurations
2. Profile menu – Contains links to help users change user preferences, display the SANnav version, and log out
3. Subnavigation bar – Provides the page title and optional item count within parentheses – the subnavigation bar is the main way to navigate within a feature
4. Filter bar – Allows users to filter the display based on columns, fabrics, and customized filters

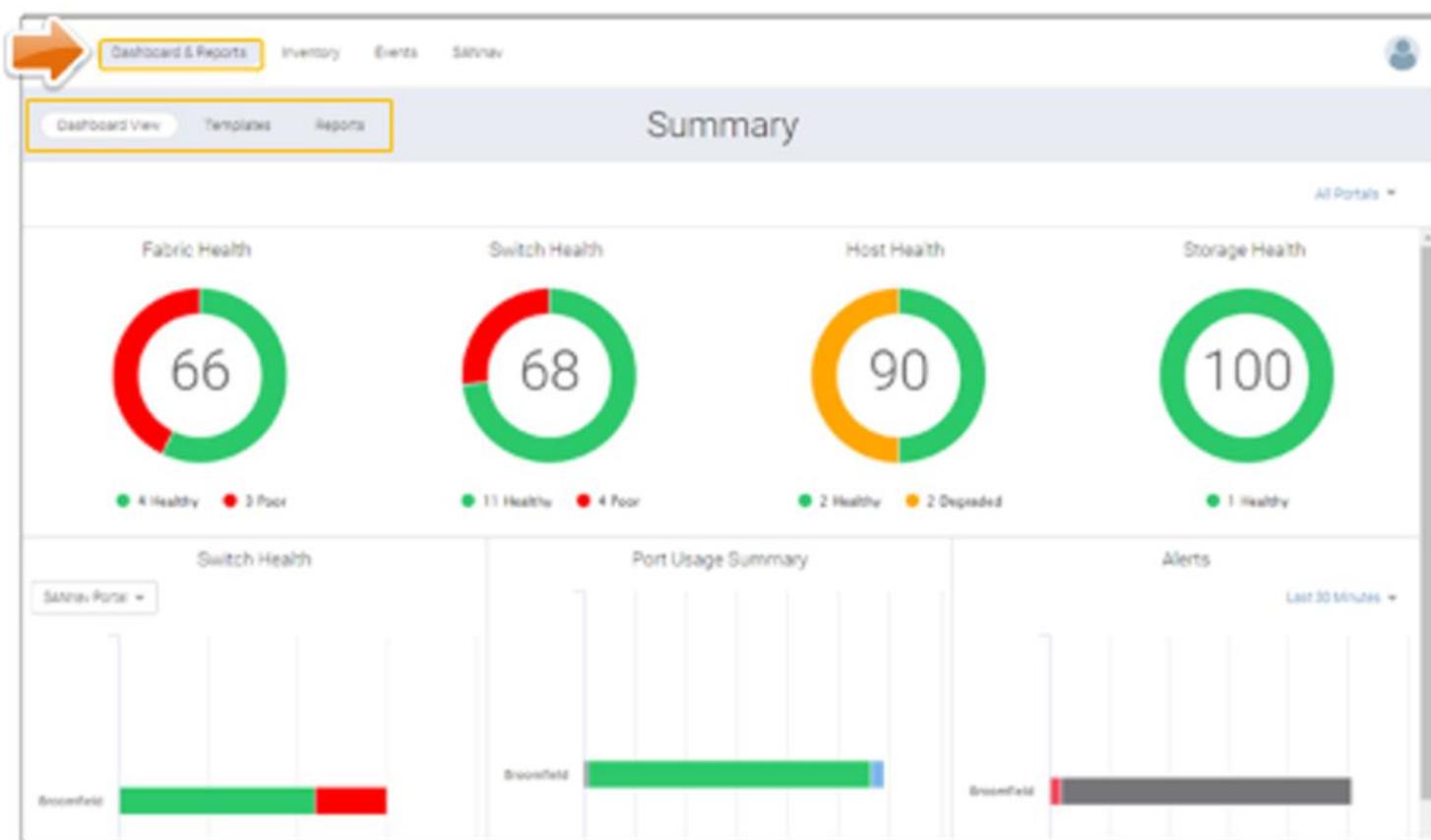


# SANnav Global View – Dashboard

- **Dashboard View** is the health summary dashboard that provides global visibility across multiple SANnav Management Portal instances
- Use **Templates** to create custom dashboards and reports
- Use **Reports** to check and export reports

By default, the scope of the dashboard is set to **All Portals**.

You can change the scope by selecting one or more SANnav Management Portal instances.



# SANnav Global View – Inventory

Users can select an inventory type by clicking the **Switches** drop-down menu in the top left corner.



# SANnav Global View – Events

By default, application events recorded in the last 30 minutes will be displayed. To change the default time range, click **Last 30 Minutes** and set a specific date and time range in the **Select Date Range** window.

The screenshot shows the SANnav Global View - Events page. At the top, there are navigation tabs: Dashboard & Reports, Inventory, Events (which is selected and highlighted in yellow), and SANnav. A yellow callout box points to a 'refresh' icon (a circular arrow) with the text 'Click here to refresh the page'. Below the tabs, a 'Last 30 Minutes' button is shown with an orange arrow pointing to a 'Select Date Range' modal window. The modal window is titled 'Select Date Range' and contains two calendar grids for July 2019 and August 2019, with a date range from Aug 12, 2019 8:00 AM to Aug 16, 2019 5:00 PM selected. The main content area is titled 'Application Events (28)' and shows a table with the following data:

Description	Module	Category	Username	Occurred Time
Successfully authenti...	Authentication	User Action Event	-	Aug 16, 2019 13:59:20 PDT
Successfully authenti...	Authentication	User Action Event	-	Aug 16, 2019 11:12:29 PDT
Successfully authenticated user Administrator.	Portals	User Action Event	Administrator	Aug 16, 2019 10:47:05 PDT
New York DC Portal u...	Portals	User Action Event	Administrator	Aug 16, 2019 10:46:56 PDT

# SANnav Global View – SANnav

On this page, users can change the settings and configurations for the following tasks:

- SAN Monitoring
- Portals
- Filter Management
- Policy Management
- Security
- SANnav Authentication and Authorization
- SANnav User Management
- SANnav Password and Lockout Policy
- Service
- SANnav Licensing
- SANnav Backup
- SANnav Support Data Collection
- SANnav Email Setup

The SANnav Global View interface is shown in three different sections, each with a 'SANnav' tab selected in the top navigation bar. The sections are titled 'Configurations and Settings'.

- Portals:** Register and Manage SANnav Management Portals. Includes 'Filter Management' (Create and manage filters for use in viewing inventory elements) and 'Policy Management' (Import and distribute configurations and MARS policies to SANnav Portals).
- Security:** SANnav Authentication and Authorization (Configure server authentication and authorization settings, including AD group management), SANnav User Management (Create and manage SANnav Global View user accounts), and SANnav Password and Lockout Policy (Configure password and account lockout policies).
- Service:** SANnav Licensing (View license information, update and manage server license), SANnav Backup (Manage and schedule backup of data and configuration), SANnav Support Data Collection (Generate and manage support data), and SANnav Email Setup (Configure email for sending reports to enabled users).

# Useful links

For more information, refer to this SANnav Management Portal and SANnav Global View [documentation](#).