Prism - Navigation

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Prism is fairly straight forward and simple to use, however we'll cover some of the main pages and basic usage.

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

Once the page has been loaded you will be greeted with the Login page where you will use your Prism or Active Directory credentials to login.

username	
password	Ð

Prism Login Page

Upon successful login you will be sent to the dashboard page which will provide overview information for managed cluster(s) in Prism Central or the local cluster in Prism Element.

Prism Central and Prism Element will be covered in more detail in the following sections.

Prism Central

The figure shows a sample Prism Central dashboard where multiple clusters can be monitored / managed:

☐ Q Dashboard			🐥 📧 🗿 ? 🌣 Admin ~
Main Dashboard Manage Dashboards			Reset Dashboard + Add Widgets
Cluster Detail	Cluster Runway	Cluster Quick Access	Tasks
EARTH1	EARTH1 CPU 365+ days	EARTH1 ••	View All Task(s) DETAILS
Cap Cap Can Ann Syn Averts A 25 A 2 Anomalies (last 24 hours) A 61 Runway 365 days Hetflücht VMs 23			No task activity for the last 48 hours.
Bandwidth of VM on All Clusters	Cluster CPU Usage	Cluster Storage	VM Efficiency
bnc-db 6.5 MBps	EARTH1 3.75%	CLUSTER USED STORAGE DATA REDUCTIO	
bnc-kafka-2 6.37 MBps		EARTH1 2.96 : 1	19 1 Overprovisioned Inactive
CPU Usage of VM on All Clusters	Cluster Memory Usage		22 0 Constrained Bully
prd-pc-01 69:1%	EARTH1 35.78%		Constanted Bully
bnc-kafka-2 6.47%			View All Inefficient VMs

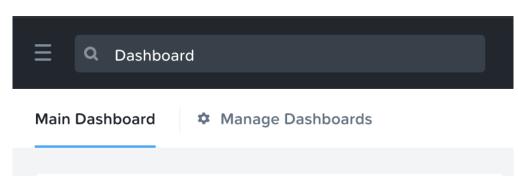
Prism Central - Dashboard

From here you can monitor the overall status of your environment, and dive deeper if there are any alerts or items of interest.

Prism Central contains the following main pages (NOTE: Search is the preferred / recommended method to navigation):

- Home Page
 - Environment wide monitoring dashboard including detailed information on service status, capacity planning, performance, tasks, etc. To get further information on any of them you can click on the item of interest.
- Virtual Infrastructure
 - Virtual entities (e.g. VMs, containers, Images, categories, etc.)
- Policies
 - Policy management and creation (e.g. security (FLOW), Protection (Backup/Replication), Recovery (DR), NGT)
- Hardware
 - Physical devices management (e.g. clusters, hosts, disks, GPU)
- Activity
 - Environment wide alerts, events and tasks
- Operations
 - Operations dashboards, reporting and actions (X-Play)
- Administration
 - Environment construct management (e.g. users, groups, roles, availability zones)
- Services
 - Add-on service management (e.g. Calm, Karbon)
- Settings
 - Prism Central configuration

To access the menu click on the hamburger icon::



Prism Central - Hamburger

The menu expands to display the available options:



Prism Central - Menu Bar

Search

Search is now the primary mechanism for Navigating the Prism Central UI (menus are still available).

To use the search bar to navigate you can use the search bar in the top left corner next to the menu icon.

	Q	anomaly	
	D	Events	Event Type=Behavioral Anomaly
Main			Search in Prism

Prism Central - Search

Search Semantics

PC Search allows for a great deal of semantics to be leveraged, some examples include:

Rule	Example
Entity type	vms
Entity type + metric perspective (io, cpu, memory)	vms io
Entity type + alerts	vm alerts
Entity type + alerts + alert filters	vm alerts severity=critical
Entity type + events	vm events
Entity type + events + event filters	vm events classification=anomaly
Entity type + filters (both metric and attribute)	vm "power state"=on
Entity type + filters + metric perspective (io, cpu, memory)	vm "power state"=on io
Entity type + filters + alerts	vm "power state"=on alerts
Entity type + filters + alerts + (alert filters)	vm "power state"=on alerts severity=critical
Entity type + filters + events	vm "power state"=on events
Entity type + filters + events + event filters	vm "power state"=on events classification=anomaly
Entity instance (name, ip address, disk serial etc)	vml, 10.1.3.4, BHTXSPWRM
Entity instance + Metric perspective (io, cpu, memory)	vml io
Entity instance + alerts	vml alerts

vml alerts severity=critical
vml events
vml events classification=anomaly
vml nics, cl capacity
cl vms
Disk bad alerts
Analysis, tasks

The prior is just a small subset of the semantics, the best way to get familiar with them is to give it a shot!

Prism Element

Prism Element contains the following main pages:

- Home Page
 - Local cluster monitoring dashboard including detailed information on alerts, capacity, performance, health, tasks, etc. To get further information on any of them you can click on the item of interest.
- Health Page
 - Environment, hardware and managed object health and state information. Includes NCC health check status as well.
- VM Page
 - Full VM management, monitoring and CRUD (AOS)
- Storage Page
 - \circ Container management, monitoring and CRUD
- Hardware
 - Server, disk and network management, monitoring and health. Includes cluster expansion as well as node and disk removal.
- Data Protection
 - DR, Cloud Connect and Metro Availability configuration. Management of PD objects, snapshots, replication and restore.
- Analysis
 - \circ Detailed performance analysis for cluster and managed objects with event correlation
- Alerts
 - Local cluster and environment alerts

The home page will provide detailed information on alerts, service status, capacity, performance, tasks, and much more. To get further information on any of them you can click on the item of interest.

The figure shows a sample Prism Element dashboard where local cluster details are displayed:

Hypervisor Summary		Cluster-wide Controller I	OPS 151,215 IOPS	Health		Critical Alerts	
AHV HYPERVISOR	Nutanix 20150616 VERSION	151,215 IOPS	2.00pm 3.00p	CRITICAL		48 CRITICAL	
Storage Summary		Cluster-wide Controller IO B/W 604.87 MBps 604.87 MBps 100cm 200cm 300cm		Hosts 7	0 4 0 3		1 rebooted (1) 4 days ago
15.02 TIB FREE (PHYSICAL) ()	 Used 10.88 TiB Capacity 25.89 TiB 			Protection D 7		Cvm rebooted (1) 4 days ago	
							1 rebooted (1)
/M Summary		Cluster-wide Controller L	atency 3.35 ms	Data Resiliency Status		Warning Alerts	
30 vm(s)	Availability Best Effort 0 © Off 16 © On 14 • Suspend 0	1.00pm	2.00pm 3.00pm	OK		172 WARNING 5 days ago	Node TenGig Adaptor Inacth (1) Node TenGig Adaptor Inacth (1) Node TenGig Adaptor Inacth (1)
Hardware Summary		Cluster CPU Usage	Cluster CPU Usage Cluster Memory Usage	Data Resiliency possible		Info Alerts	Events
72	NX3050	17.36%	13.56%			62	256
HOSTS BLOCKS MODEL		OF 291.31 GHz	OF 173 TIB	Rebuild capacity available	YES	INFO 5 days ago	EVENT Last event 8 minutes ar

Prism Element - Dashboard

Keyboard Shortcuts

Accessibility and ease of use is a critical construct in Prism. To simplify things for the end-user a set of shortcuts have been added to allow users to do everything from their keyboard.

The following characterizes some of the key shortcuts:

Change view (page context aware):

• O - Overview View

- D Diagram View
- T Table View

Activities and Events:

• A - Alerts • P - Tasks

Drop down and Menus (Navigate selection using arrow keys):

- M Menu drop-down
- S Settings (gear icon)
- F Search bar
- U User drop down
- H Help