

IPM Nutanix connector allows to connect to one Nutanix Prism Central unit.

In this integration, the scope is to protect the User Virtual Machines. Eaton IPM is set up to provide graceful shut down of the User Virtual Machines and is not intended to shutdown the Nutanix instance itself.

Eaton IPM uses a navigation panel to simplify the connection of IPM to the Nutanix infrastructure. To create a Nutanix connector, the user only needs to provide the network address (or name) of the Nutanix box and a valid login/password pair for the authentication. Once the connector is successfully created, a Nutanix node is created in IPM.

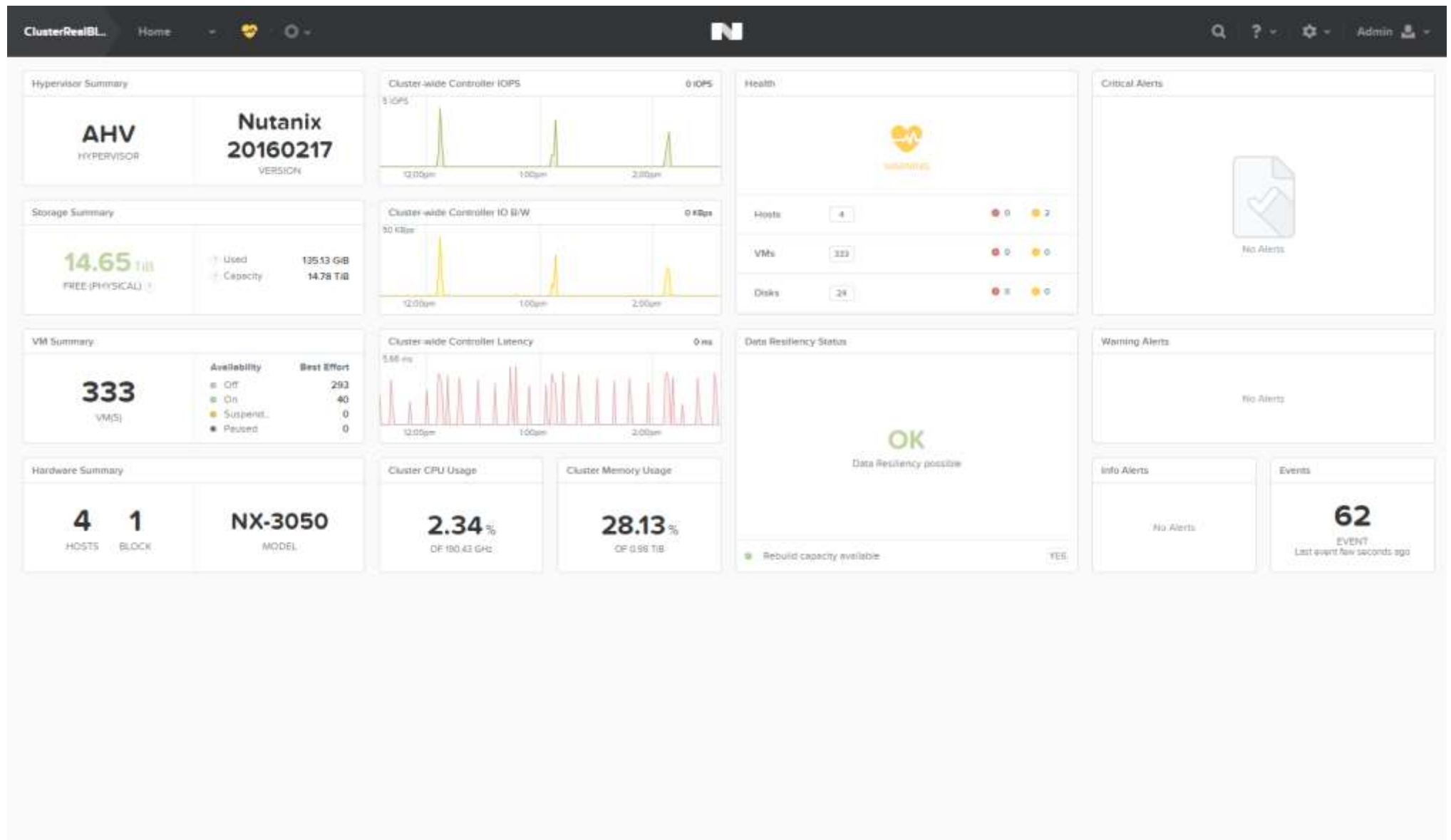
As soon as the connection is established, all User Virtual Machines (UVM) are retrieved from the Nutanix box to be displayed in IPM as Virtual Machine nodes. The UVM nodes are now monitored and IPM provides the ability to apply the following actions: On, Off, Suspend, guest shutdown on each individual UVM.

"Configuration policies" and "advanced events and actions" features of IPM can be configured to ensure, in case of a power or environmental event, the protection of all the UVMs at once. The configuration policy section is seen on the left navigation panel. You can find out more about using the configuration policies in the IPM user guide.

The contents of this procedure is:

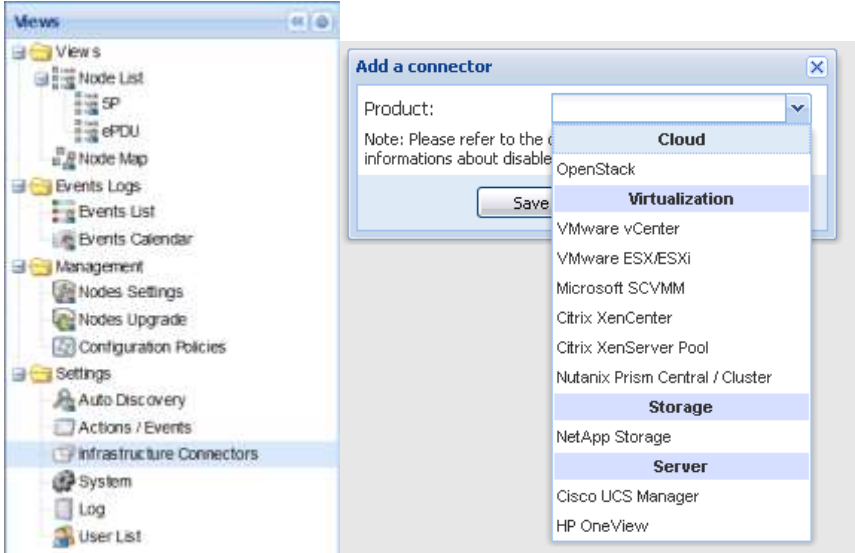
- [Nutanix DashBoard](#)
- [Create Nutanix connector](#)
- [Display Nutanix UVM data](#)
- [Configure Nutanix Action](#)

Nutanix DashBoard



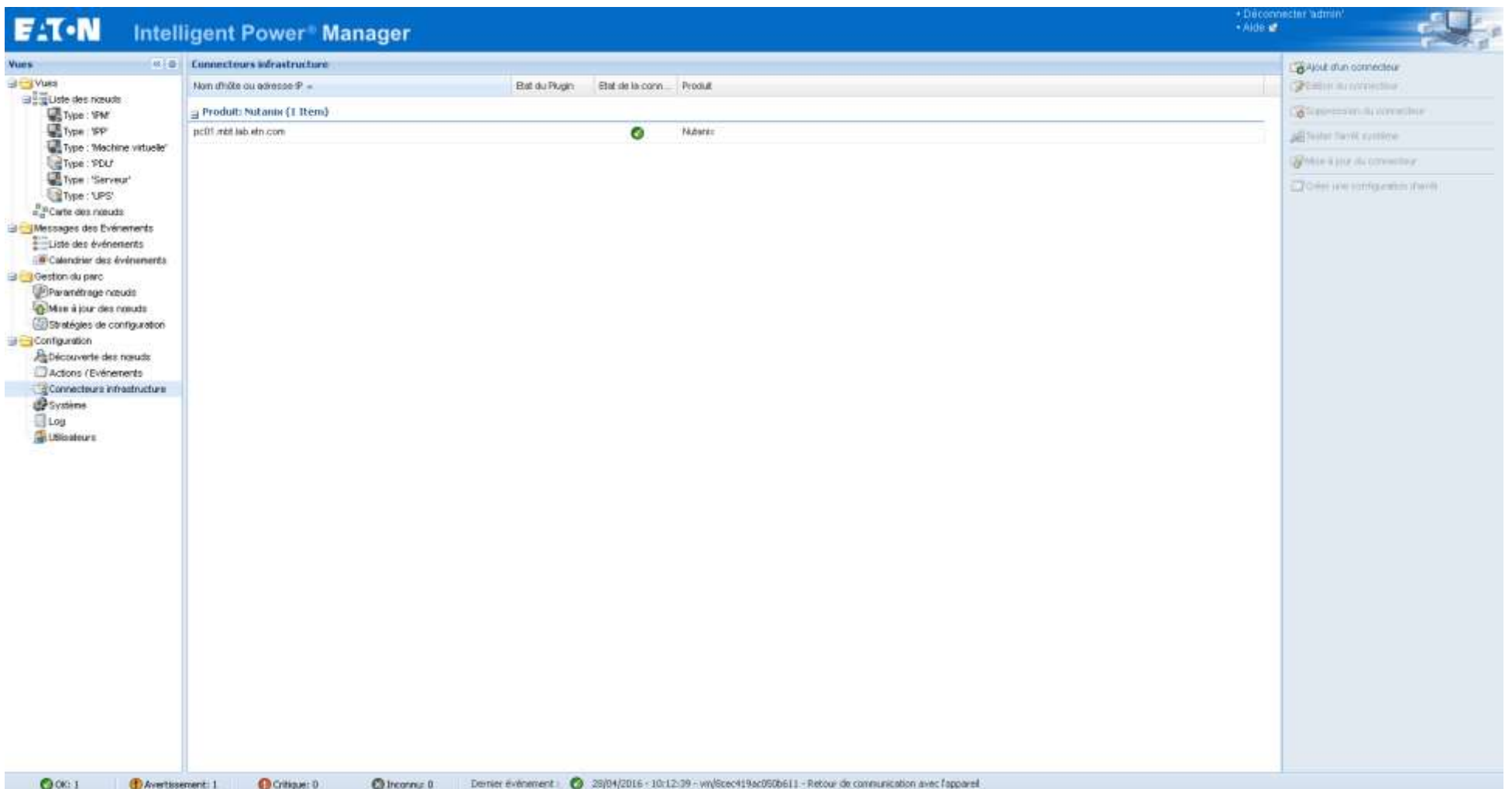
Create Nutanix connector

- From the left side navigation panel, select Infrastructure Connectors. Once you have selected Infrastructure Connectors a new screen will open. At the top right side of the page, click on Add a Connector.



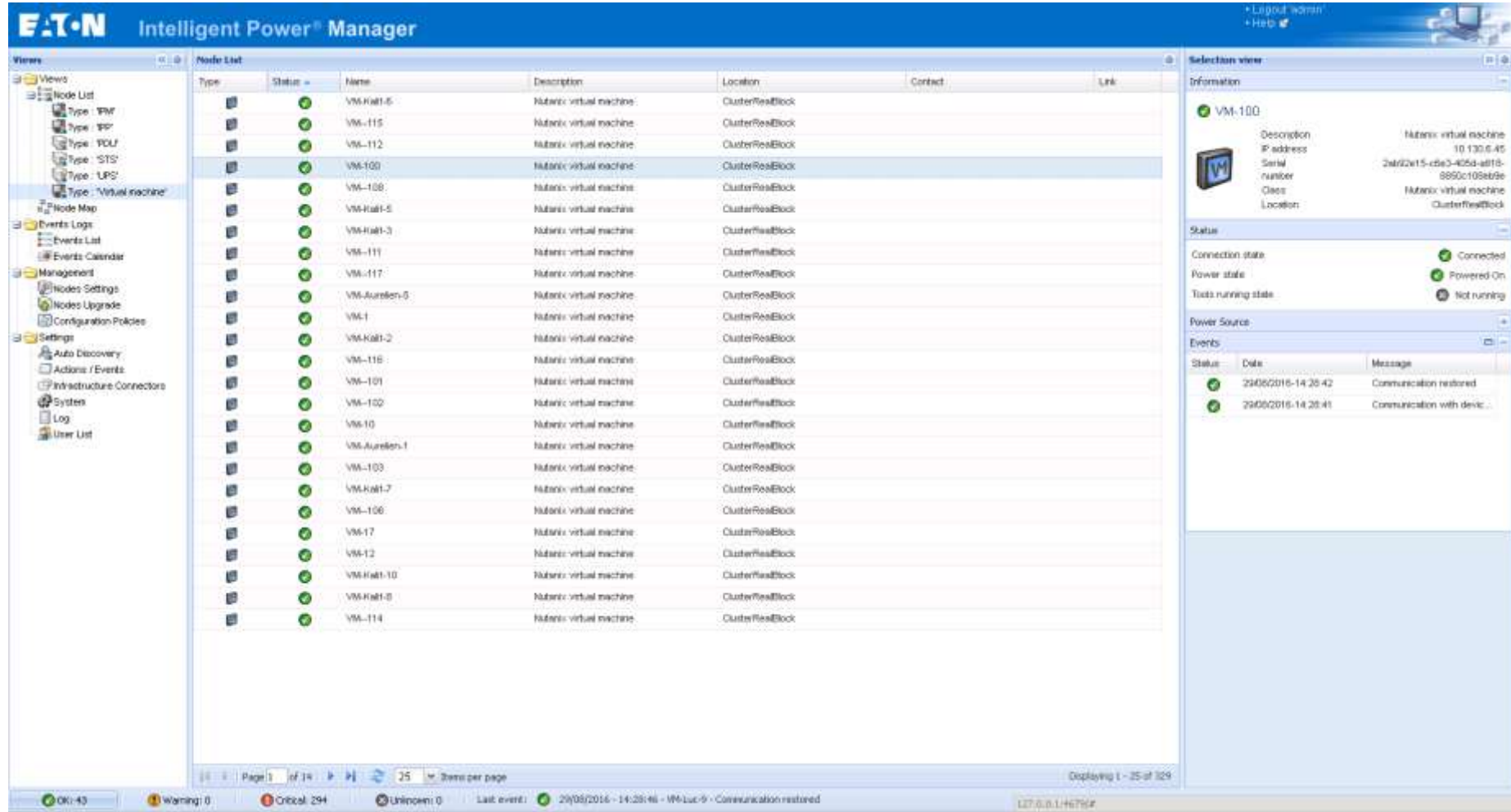
- Select Nutanix Prism Central / Cluster as shown on the screen shot directly above.
- Configure it with host name, user name and a password of the Nutanix system.

- Check that the communication is Ok



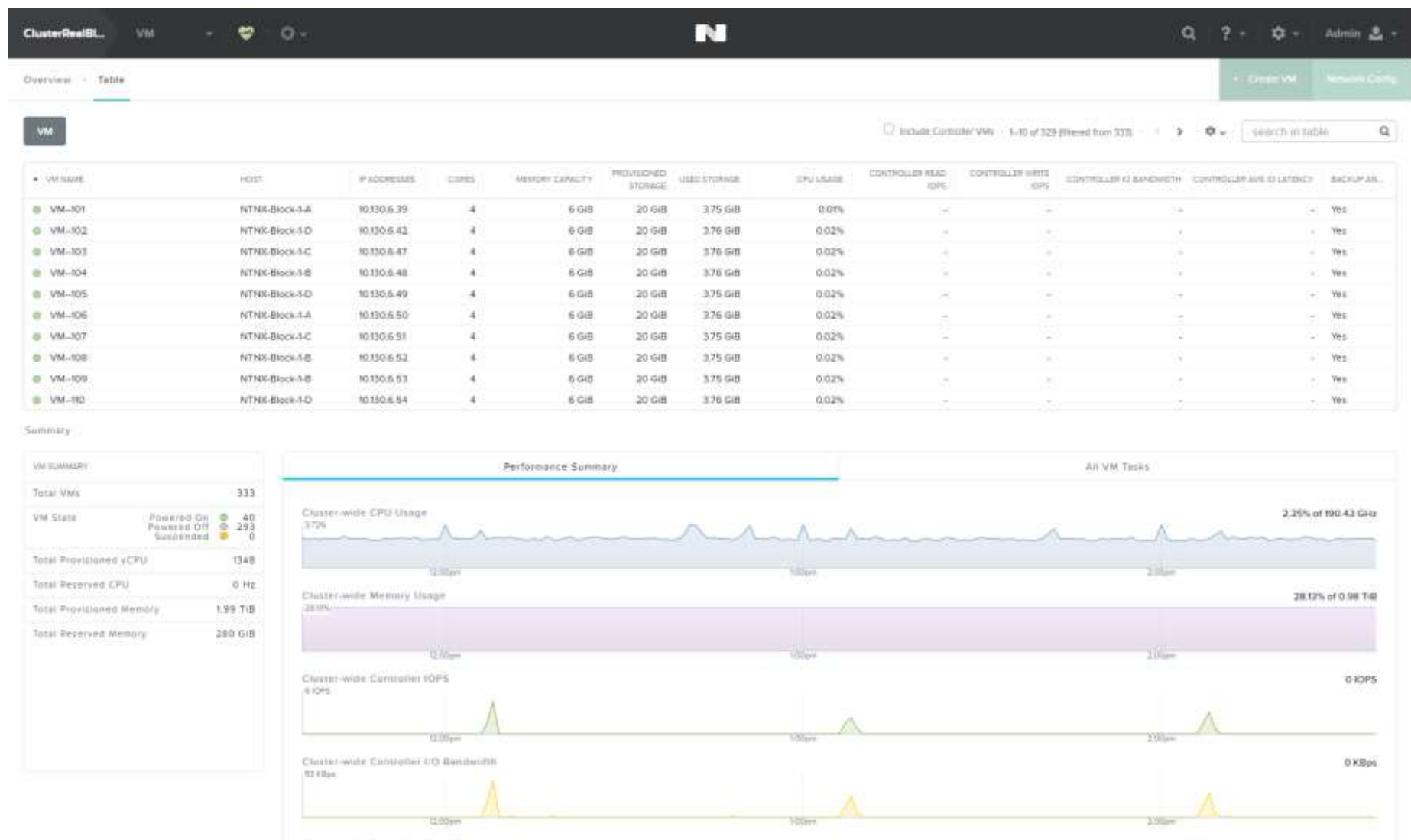
Display Nutanix UVM data

Select the Node List panel and create a filter by type, you will see the list of VM in the "Virtual Machine" filter that you see on the Nutanix UI. The IPM user guide shows how to create a filter type for the node list.



The screenshot shows the Eaton Intelligent Power Manager interface. The 'Node List' panel is active, displaying a table of virtual machines. A filter is applied to show only 'Virtual Machine' types. The table includes columns for Type, Status, Name, Description, Location, Contact, and Link. The 'Selection view' panel on the right shows details for VM-100, including its description, IP address, serial number, class, and location. The status section indicates the VM is connected and powered on.

Type	Status	Name	Description	Location	Contact	Link
Virtual Machine	✓	VM-Kali-5	Nutanix virtual machine	ClusterResBlock		
Virtual Machine	✓	VM-115	Nutanix virtual machine	ClusterResBlock		
Virtual Machine	✓	VM-112	Nutanix virtual machine	ClusterResBlock		
Virtual Machine	✓	VM-100	Nutanix virtual machine	ClusterResBlock		
Virtual Machine	✓	VM-108	Nutanix virtual machine	ClusterResBlock		
Virtual Machine	✓	VM-Kali-8	Nutanix virtual machine	ClusterResBlock		
Virtual Machine	✓	VM-Kali-3	Nutanix virtual machine	ClusterResBlock		
Virtual Machine	✓	VM-111	Nutanix virtual machine	ClusterResBlock		
Virtual Machine	✓	VM-117	Nutanix virtual machine	ClusterResBlock		
Virtual Machine	✓	VM-Aurora-5	Nutanix virtual machine	ClusterResBlock		
Virtual Machine	✓	VM-1	Nutanix virtual machine	ClusterResBlock		
Virtual Machine	✓	VM-Kali-2	Nutanix virtual machine	ClusterResBlock		
Virtual Machine	✓	VM-116	Nutanix virtual machine	ClusterResBlock		
Virtual Machine	✓	VM-101	Nutanix virtual machine	ClusterResBlock		
Virtual Machine	✓	VM-102	Nutanix virtual machine	ClusterResBlock		
Virtual Machine	✓	VM-10	Nutanix virtual machine	ClusterResBlock		
Virtual Machine	✓	VM-Aurora-1	Nutanix virtual machine	ClusterResBlock		
Virtual Machine	✓	VM-103	Nutanix virtual machine	ClusterResBlock		
Virtual Machine	✓	VM-Kali-7	Nutanix virtual machine	ClusterResBlock		
Virtual Machine	✓	VM-106	Nutanix virtual machine	ClusterResBlock		
Virtual Machine	✓	VM-17	Nutanix virtual machine	ClusterResBlock		
Virtual Machine	✓	VM-12	Nutanix virtual machine	ClusterResBlock		
Virtual Machine	✓	VM-Kali-10	Nutanix virtual machine	ClusterResBlock		
Virtual Machine	✓	VM-Kali-9	Nutanix virtual machine	ClusterResBlock		
Virtual Machine	✓	VM-114	Nutanix virtual machine	ClusterResBlock		



The screenshot shows the Nutanix VM overview page. The 'VM' tab is selected, displaying a table of virtual machines. The table includes columns for VM Name, Host, IP Addresses, Cores, Memory Capacity, Provisioned Storage, Used Storage, CPU Usage, Controller Read IOPS, Controller Write IOPS, Controller I/O Bandwidth, Controller Avg I/O Latency, and Backup Policy. Below the table, there is a 'Summary' section with VM statistics and a 'Performance Summary' section with charts for Cluster-wide CPU Usage, Cluster-wide Memory Usage, Cluster-wide Controller IOPS, and Cluster-wide Controller I/O Bandwidth.

VM NAME	HOST	IP ADDRESSES	CORES	MEMORY CAPACITY	PROVISIONED STORAGE	USED STORAGE	CPU USAGE	CONTROLLER READ IOPS	CONTROLLER WRITE IOPS	CONTROLLER I/O BANDWIDTH	CONTROLLER AVE I/O LATENCY	BACKUP POL.
VM-101	NTNX-Block-1A	10.130.6.39	4	6 GiB	20 GiB	3.75 GiB	0.01%	-	-	-	-	Yes
VM-102	NTNX-Block-1D	10.130.6.42	4	6 GiB	20 GiB	3.76 GiB	0.02%	-	-	-	-	Yes
VM-103	NTNX-Block-1C	10.130.6.47	4	6 GiB	20 GiB	3.76 GiB	0.02%	-	-	-	-	Yes
VM-104	NTNX-Block-1B	10.130.6.48	4	6 GiB	20 GiB	3.76 GiB	0.02%	-	-	-	-	Yes
VM-105	NTNX-Block-1D	10.130.6.49	4	6 GiB	20 GiB	3.75 GiB	0.02%	-	-	-	-	Yes
VM-106	NTNX-Block-1A	10.130.6.50	4	6 GiB	20 GiB	3.76 GiB	0.02%	-	-	-	-	Yes
VM-107	NTNX-Block-1C	10.130.6.51	4	6 GiB	20 GiB	3.75 GiB	0.02%	-	-	-	-	Yes
VM-108	NTNX-Block-1B	10.130.6.52	4	6 GiB	20 GiB	3.75 GiB	0.02%	-	-	-	-	Yes
VM-109	NTNX-Block-1B	10.130.6.53	4	6 GiB	20 GiB	3.75 GiB	0.02%	-	-	-	-	Yes
VM-110	NTNX-Block-1D	10.130.6.54	4	6 GiB	20 GiB	3.76 GiB	0.02%	-	-	-	-	Yes

Configure Nutanix Action

To configure a Nutanix action, you should become familiar with creating actions in IPM by reading the section of actions in the IPM user guide. You use the VM power action under 'action type' shown in the screen shot below. Then you edit the action settings section. The pencil aside power command will allow you to select VM power action (stop/start) with the choices of On, Off, Suspend and guest shutdown.

The screenshot shows the 'Edit action' dialog box for 'NutanixStartVM'. The 'Action active' checkbox is checked. The 'Action name*' field contains 'NutanixStartVM'. The 'Event Source' is set to 'Any source'. The 'Action type*' is 'VM power action (stop/start)'. The 'Action Settings' table is as follows:

Name	Value	
Power comma...	Power ON	
The VM target*	VM01 (AHV01)	
Shutdown gue...	0	

The screenshot shows the 'Edit action' dialog box for 'NutanixStopVM'. The 'Action active' checkbox is checked. The 'Action name*' field contains 'NutanixStopVM'. The 'Event Source' is set to 'Any source'. The 'Action type*' is 'VM power action (stop/start)'. The 'Action Settings' table is as follows:

Name	Value	
Power comma...	Power OFF	
The VM target*	VM01 (AHV01)	
Shutdown gue...	0	