



# Rembrandt UX Design Documentation

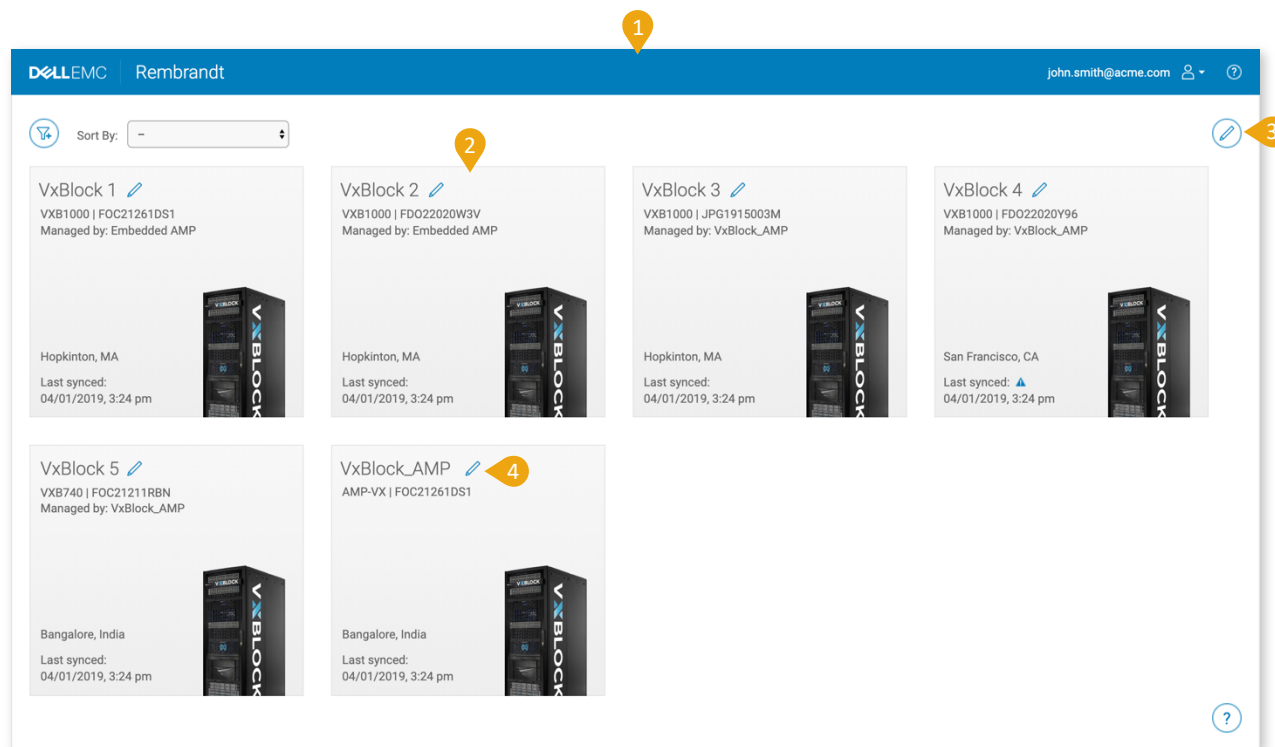
Version 1.0

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# 1. Landing Page



URL: [https://7cj8y0.axshare.com/#g=1&p=rembrandt\\_landing](https://7cj8y0.axshare.com/#g=1&p=rembrandt_landing)

## Description:

This screen depicts the landing page for Rembrandt, i.e. when a user enters the Rembrandt URL in the browser, post authentication, s/he would land on this screen. The landing page lists all VxBLOCKS available within the customer's datacenter.

The screen is divided into a 4 columnar grid that spans across the width of the screen (default resolution 1366x768). The grid holds cards for respective VxBLOCKS. The order of the cards should be top row, left to right, wrap to second row if required. Users have the ability to sort and/or filter cards by parameters suggested by PM's. Users would also have limited ability to view/hide certain pieces of information within the cards, and also edit the card title.

Users can further view details of VxBlock by clicking the desired VxBlock card.

## Key UI Components:

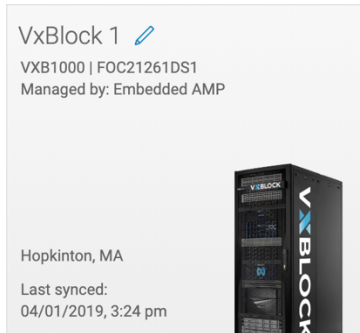
1. Application/Portal header (global, i.e. available on all screens)



The application/portal header is a persistent UI component available and active on all screens throughout the portal. The only exception when it will not be available, or deactivated is in case of a modal overlay, wherein the overlay background covers the entire underlying screen, including the header, restricting interaction on components within the overlay in foreground.

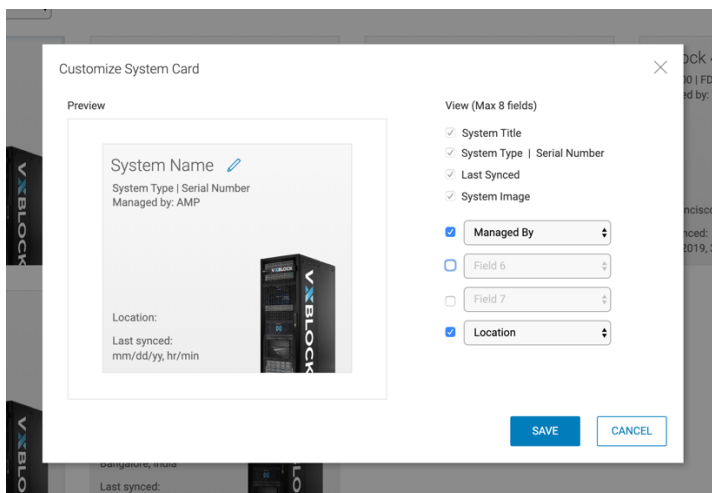
The application/portal header holds Dell EMC logo, along with product branding towards the left. Towards the right, it holds global functions like user profile info, and global help documentation.

## 2. VxBlock cards



VxBlock cards are the most distinct UI components on the screen. Each card represents an individual VxBlock. Each card holds up to 8 sub-components, out of which users have the ability to edit, hide/show 4 sub-components.

## 3. Edit card detail overlay



This feature lets users customize the card view as per their preference. The Edit card detail overlay is available by clicking the Edit icon on right top of the screen.

Following are default VxBlock card sub-components; users do not have the ability to hide these:

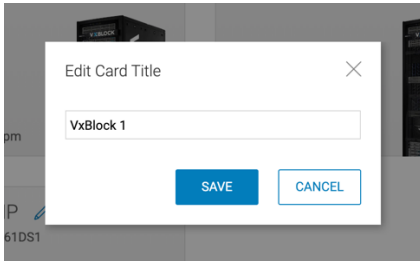
- System title
- System type | Serial number
- Last synced
- System image

Optional (users can choose to include up to 4 sub-components from following list):

- vCenter version
- Managed by
- Custom compliance state
- Support contract end date
- Support status
- Notifications
- Owner
- Business unit

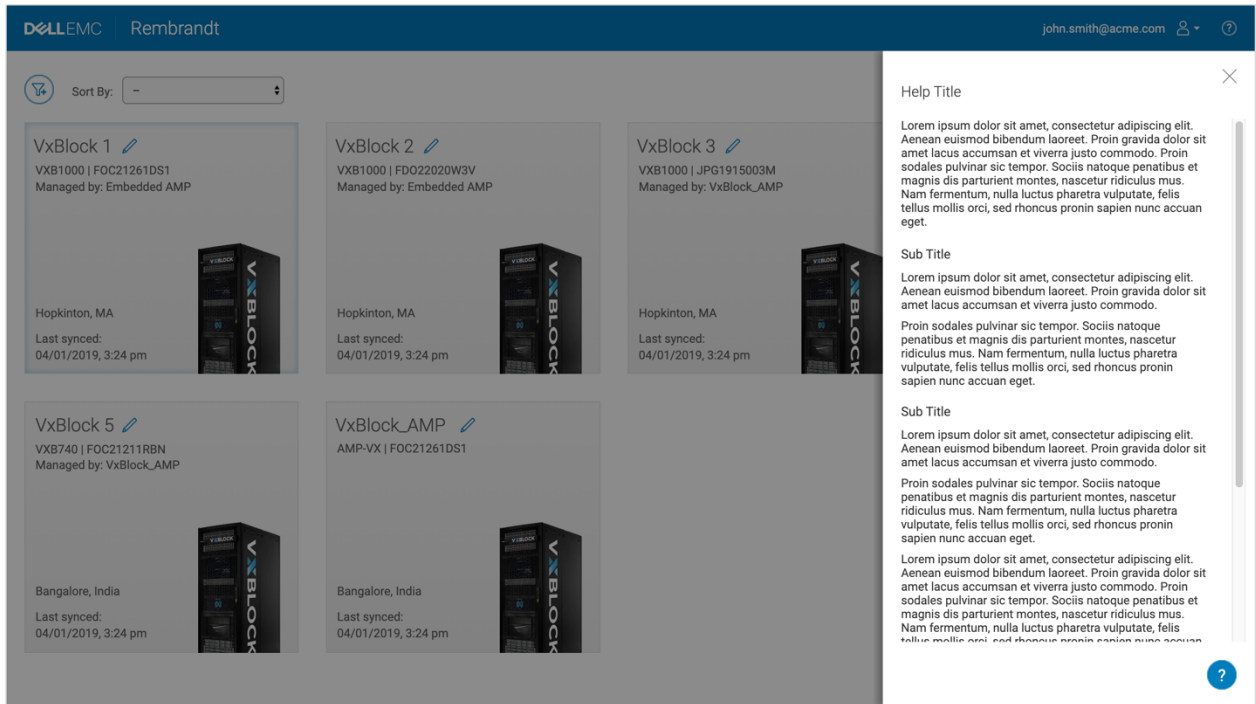
- Location

#### 4. Edit card title overlay



Although users cannot hide the system/card title, they do have the ability to edit it. System/card title can be edited by clicking the Edit icon besides the system/card title. Clicking the edit icon provides an overlay wherein users can edit the title per their preference. This functionality will be available only to users who have permission to edit system titles.

#### 5. Help (global, i.e. available on all screens)



The contextual help icon is provided on all screens within the footer. Upon clicking the '?' icon on right-bottom of the screen, a help pane overlay slides in from the right edge of the browser. This pane displays information in context of the underlying screen.

The help pane can be scrollable, and slides back out upon clicking the '?' again, or clicking the 'X' icon on right-top of the pane.

## 2. Selected VxBlock – Overview

Management: Embedded AMP  
Last synced: 04/01/2019, 3:24 pm  
Location: Hopkinton, MA

UCS Domain: All Domains

AMP Virtual Workload

AMP Management: vApp 1, vApp 2, vApp 3, vCenter0 vApp

Production Management: vCenter1 vApp, vCenter2 vApp, Element Mgr vApp2

Compute

Fabric Interconnect: UCS 6332 16UP

IOMs: UCS 6332 16UP

Server Profiles: Profile 1 through Profile 10

Overview										
# of Servers:	20	56	150	64	156	200	150	84	102	50
Model:	B200 M5	B200 M5	B200 M4	B480 M5	B480 M5	B200 M4	B200 M4	B200 M4	B200 M4	B200 M4
Blade FW:	4.1(28a)	4.1(28a)	4.1(28a)	4.1(28a)	3.1(26g)	4.1(28a)	3.1(26g)	4.1(28a)	3.1(26g)	3.1(25d)
ETH Version:	1.6.0.48	1.6.0.47	1.6.0.47	1.6.0.47	1.6.0.47	1.6.0.47	1.6.0.47	1.6.0.47	1.6.0.47	1.6.0.47
FC Version:	1.6.0.37	1.0.27.0	1.0.27.0	1.0.27.0	1.0.27.0	1.0.27.0	1.0.27.0	1.0.27.0	1.0.27.0	1.0.27.0

Operating Environment, Storage, Configuration

URL: [https://7cj8y0.axshare.com/#g=1&p=inventory\\_overview](https://7cj8y0.axshare.com/#g=1&p=inventory_overview)

### Description:

Overview screen is the default landing screen when users click on a VxBlock card from the landing screen. Details of selected VxBlock are displayed in the grey banner on top of the screen (right below portal header). The design is architected to use VxBlock as the primary pivot, i.e. from landing screen, users select the desired VxBlock, and any subsequent information displayed, is in context of that particular VxBlock. If users need to view information for a different VxBlock, they can navigate back to the landing screen by clicking the Home breadcrumb link in banner and select a different VxBlock.

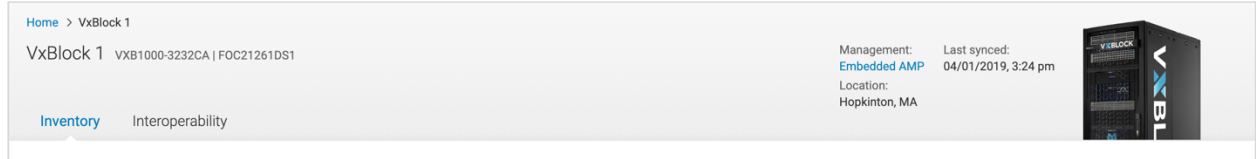
This screen is divided into 2 key modules – 1) Inventory, and 2) Interoperability. Inventory is further segregated into Overview, Compute, Storage, Networking, Virtualization, and Management tabs. This is done to emulate the physical structure of the VxBlock.

Inventory> Overview (tab) would be the default view for a selected VxBlock. The Overview tab lists all components within the VxBlock in an expand/collapsible tabular grid, grouped by various components. This provides a snapshot

view of all components within the VxBlock on a single screen, without requiring the users to navigate to separate screens/sections.

## Key UI Components:

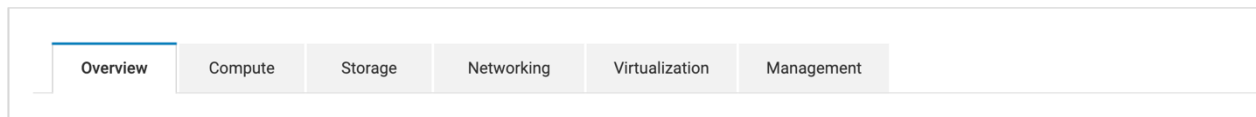
### 1. VxBlock banner (across all Inventory screens)



The banner displays key information identifying the selected VxBlock, like title, type, serial number, and other attributes. It also holds navigation components like the breadcrumb links, and module tabs. The selected module tab is indicated in blue (#007DBB) text, along with a small pointer beneath it.

Future design versions can provide a compact banner toggle that would shorten the height of the banner by hiding VxBlock image, and supplementary information.

### 2. Primary navigation tabs

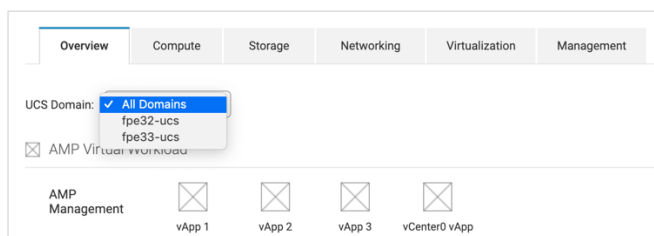


Inventory is segregated into Overview, Compute, Storage, Networking, Virtualization, and Management sections. These sections are represented by individual tabs.

Within the information hierarchy, considering selected VxBlock as the primary object and Inventory as the primary use case, primary navigation tabs are considered as level 1. These tabs facilitate non-modal browsing, i.e. users can switch between these tabs at will. Selecting a different tab does not have implications on any information/task/function from previously selected tab.

The selected tab is highlighted distinctly from rest of the non-selected tabs. It is presented in white (#FFFFFF) with a blue (#007DBB) line on the top edge, whereas rest of the tabs are in light grey (#F2F2F2) color. At any given point, only a single tab would be selected.

### 3. UCS domain filter



The UCS domain filter lets users filter content in the grid by all domains, or a particular one. Default selection for this filter is 'All Domains'. It is placed right below primary navigation tabs.

#### 4. Expand/Collapse tabular grid

The screenshot shows a management interface with tabs for Overview, Compute, Storage, Networking, Virtualization, and Management. The 'Compute' tab is active, and the 'Server Profiles' sub-component is expanded to show an Overview table.

Overview										
# of Servers:	20	56	150	64	156	200	150	84	102	50
Model:	B200 M5	B200 M5	B200 M4	B480 M5	B480 M5	B200 M4	B200 M4	B200 M4	B200 M4	B200 M4
Blade FW:	4.1(28a)	4.1(28a)	4.1(28a)	4.1(28a)	3.1(26g)	4.1(28a)	3.1(26g)	4.1(28a)	3.1(26g)	3.1(25d)
ETH Version:	1.6.0.48	1.6.0.47	1.6.0.47	1.6.0.47	1.6.0.47	1.6.0.47	1.6.0.47	1.6.0.47	1.6.0.47	1.6.0.47
FC Version:	1.6.0.37	1.0.27.0	1.0.27.0	1.0.27.0	1.0.27.0	1.0.27.0	1.0.27.0	1.0.27.0	1.0.27.0	1.0.27.0

The expand/collapse tabular grid displays all component objects from selected VxBlock on a single screen. Since displaying all objects on single screen may lead to a lengthy scroll, individual objects are grouped by components, and organized by expand/collapsible sub-components.

In the example above, individual objects are grouped by AMP Virtual Workload, and Compute. Further within Compute, there are 'Fabric Interconnect', 'IOMs', and 'Server Profiles' sub-components. Server Profiles has 10 objects (server profiles), and each object further has Overview, Operating Environment, Storage, and Configuration sections. Information within these sections is organized into expand/collapsible grid.

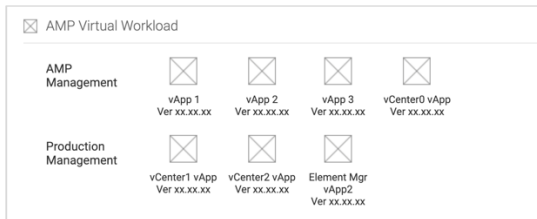
Above example shows the Overview section expanded and rest of the sections collapsed. Below example shows all sections within Server Profiles expanded.

UCS Domain: All Domains

Server Profiles

	Profile 1	Profile 2	Profile 3	Profile 4	Profile 5	Profile 6	Profile 7	Profile 8	Profile 9	Profile 10
<b>Overview</b>										
# of Servers:	20	56	150	64	156	200	150	84	102	50
Model:	B200 M5	B200 M5	B200 M4	B480 M5	B480 M5	B200 M4	B200 M4	B200 M4	B200 M4	B200 M4
Blade FW:	4.1(28a)	4.1(28a)	4.1(28a)	4.1(28a)	3.1(26g)	4.1(28a)	3.1(26g)	4.1(28a)	3.1(26g)	3.1(25d)
ETH Version:	1.6.0.48	1.6.0.47	1.6.0.47	1.6.0.47	1.6.0.47	1.6.0.47	1.6.0.47	1.6.0.47	1.6.0.47	1.6.0.47
FC Version:	1.6.0.37	1.0.27.0	1.0.27.0	1.0.27.0	1.0.27.0	1.0.27.0	1.0.27.0	1.0.27.0	1.0.27.0	1.0.27.0
<b>Operating Environment</b>										
OE:	LINUX	VMW	VMW	VMW	VMW	VMW	VMW	VMW	VMW	VMW
OE Vers:	--	6.5 U1	6.5 U1	6.5 U2	6.5 U2	6.5 U1	6.5 U1	6.5 U1	6.5 U1	6.5 U1
OE Build:	--	7967591	7967591	80000	80000	7967591	7967591	7967591	7967591	7967591
vCenter:	--	vcenter1	vcenter1	vcenter2	vcenter2	vcenter1	vcenter1	vcenter1	vcenter1	vcenter1
VM Cluster:	--	cluster1	cluster2	cluster1	cluster1	cluster2	cluster2	cluster2	cluster2	cluster2
<b>Storage</b>										
Stor Arr 1:	VMAX 950F	VMAX 950F	Unity 550F	X2-R	X2-R	Unity 550F	Unity 550F	Unity 550F	Unity 550F	Unity 550F
Stor Arr 1 FW:	5978.221.221	5978.221.221	4.5.0.0.5.096	6.2.0-85_X2	6.2.0-85_X2	4.5.0.0.5.096	4.5.0.0.5.096	4.5.0.0.5.096	4.5.0.0.5.096	4.5.0.0.5.096
Stor Arr 2:	--	--	--	Unity 550F	Unity 550F	--	--	--	--	--
Stor Arr 2 FW:	--	--	--	4.5.0.0.5.096	4.5.0.0.5.096	--	--	--	--	--
<b>Configuration</b>										
MLOM1:	VIC 1340	VIC 1440	VIC 1340	VIC 1340	VIC 1340	VIC 1340	VIC 1340	VIC 1340	VIC 1340	VIC 1340
MLOM1 FW:	4.3(2)	5.0(2)	4.3(2)	4.3(2)	4.3(2)	4.1(3)	4.3(2)	4.3(2)	4.3(2)	4.3(2)
MLOM2:	--	--	--	--	--	VIC 1340	--	--	--	--
MLOM2 FW:	--	--	--	--	--	4.1(3)	--	--	--	--
Mezz1:	--	--	--	VIC 1380	VIC 1380	Port Exp	Port Exp	VIC 1380	--	Port Exp
Mezz1 FW:	--	--	--	4.3(2)	4.3(2)	4.1(3)	4.3(2)	4.3(2)	--	4.3(2)
Mezz2:	--	--	--	--	--	Port Exp	--	--	--	--

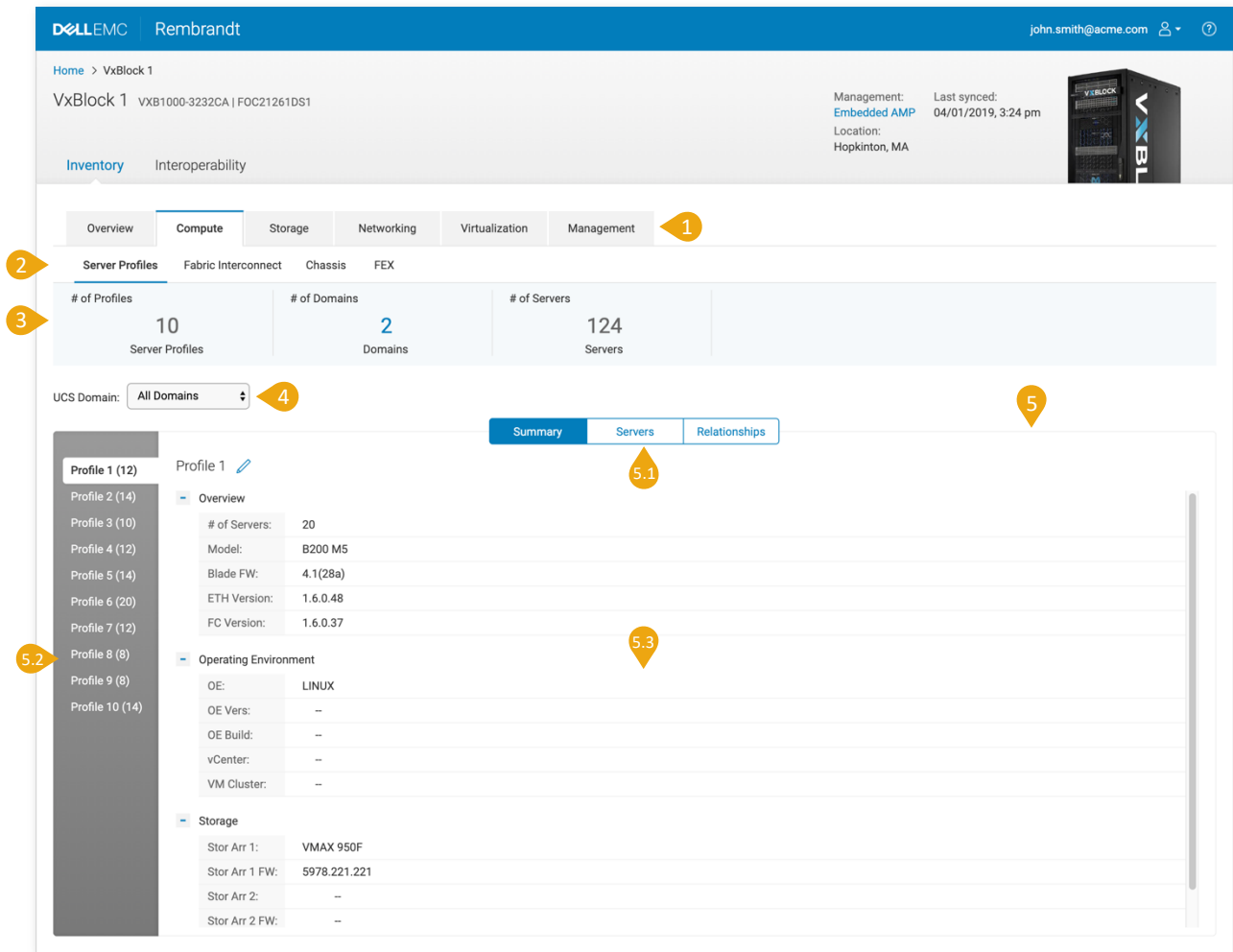
## 5. Component object icon



Component object icon is the element that identifies a particular individual object within the UI. These icons are sourced primarily from Clarity icon library. In case icon for a particular object isn't available in Clarity icon library, it will need to be created in compliance with Clarity guidelines.

Component object icons are always accompanied by corresponding text label. Also, within the expand/collapsible tabular grid, the label includes version number for the object.

### 3. Selected VxBlock – Compute



URL: [https://7cj8y0.axshare.com/#g=1&p=inventory\\_compute](https://7cj8y0.axshare.com/#g=1&p=inventory_compute)

#### Description:

Amongst all components within the VxBlock, Compute is presented as the first component after Overview. The order of components (tabs) is based on criticality and significance within customer environment. Compute further has 4 sub-components, i.e. Server Profiles, Fabric Interconnect, Chassis, and FEX. These are presented as secondary navigation tabs. Within the information hierarchy, these sub-components are considered as level 2.

The UI is divided into distinct workspaces to establish clear visual hierarchy, display key data pointers prominently, and optimize scanning pattern. Each of the 4 sub-components have specific workspace modules with contextual information/content.

As with Overview being the default view for selected VxBlock, Server Profiles is the default sub-component for Compute.

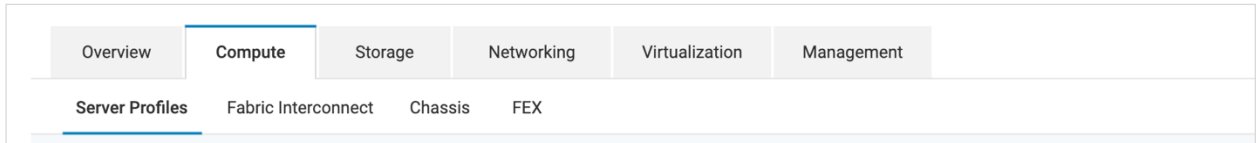
#### Key UI Components:

*The Compute screen will retain all global UI components referred to in previous screens.*

1. Primary navigation tabs

As covered for Overview screen.

## 2. Secondary navigation tabs

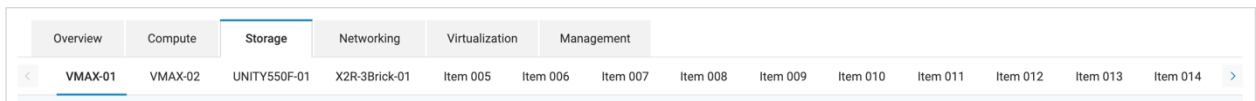


Sub-components are presented as secondary navigation tabs and have a distinct visual treatment. Secondary navigation tabs aren't visually enclosed as primary navigation tabs. This is designed in compliance to Dell EMC Clarity UI design guidelines (<https://dellclarity.com/#/components/tabs>), and to establish clear visual hierarchy between components, sub-components, and other elements displayed on the screen.

Also, there's a clear visual association between the primary navigation tab, and corresponding sub-component tabs – both these components share the same background pane, i.e. white background, without any visual element separating/dividing them.

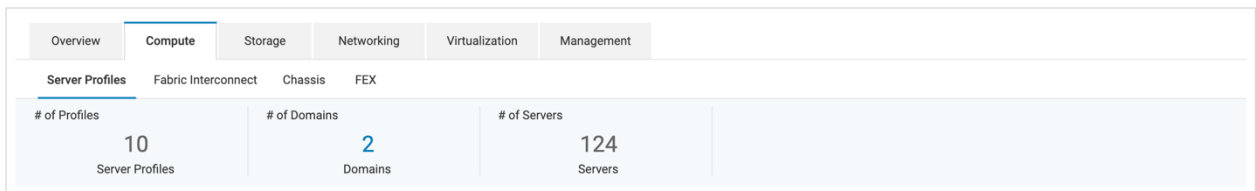
Selected secondary navigation tab is indicated by a blue (#007DBB) underline, and medium/bold text label. As with primary navigation tabs, at any given point, only a single secondary navigation tab will be selected.

Depending on customer environment, there could be more than 4 sub-components (tabs). In the exceptional scenario of a customer environment having more sub-components and exceeding available horizontal space to display all secondary navigation tabs in a single row, a horizontal scroll can be added to the secondary navigation tabs row as indicated in example below.



(Example is from Storage component but can be applied across any component.)

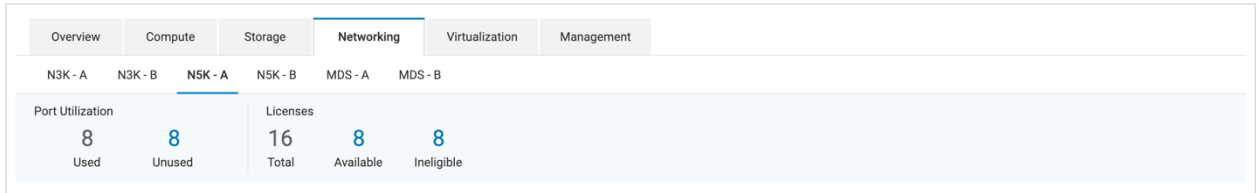
## 3. Summary band



Summary band is the UI element that displays key data pointers for selected sub-component. It is placed right below the row of secondary navigation tabs. The summary band can be divided into 5 slots of equal width to accommodate sub-component attributes, or data that might need users' attention.

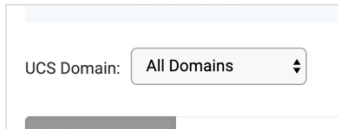
In the example above, summary band for server profile includes information on total number of server profiles, number of domains (being covered within all server profiles), and total number of servers within all profiles. The design depicts just 3 three slots within the summary band but can include 2 more. However, the summary band cannot include more than 5 slots. Regardless of number of slots occupied/displayed, width of each slot is the same, i.e. 5 / width of summary band.

Information/data in each slot is deliberately presented as numbers in large font so that users don't miss it. Individual data pointers (large numerical text) can be used as hyperlinks to filter content within corresponding workspace. Also, each slot can hold up to 3 variables for a given attribute as indicated in example below (total number of licenses, available, and ineligible).



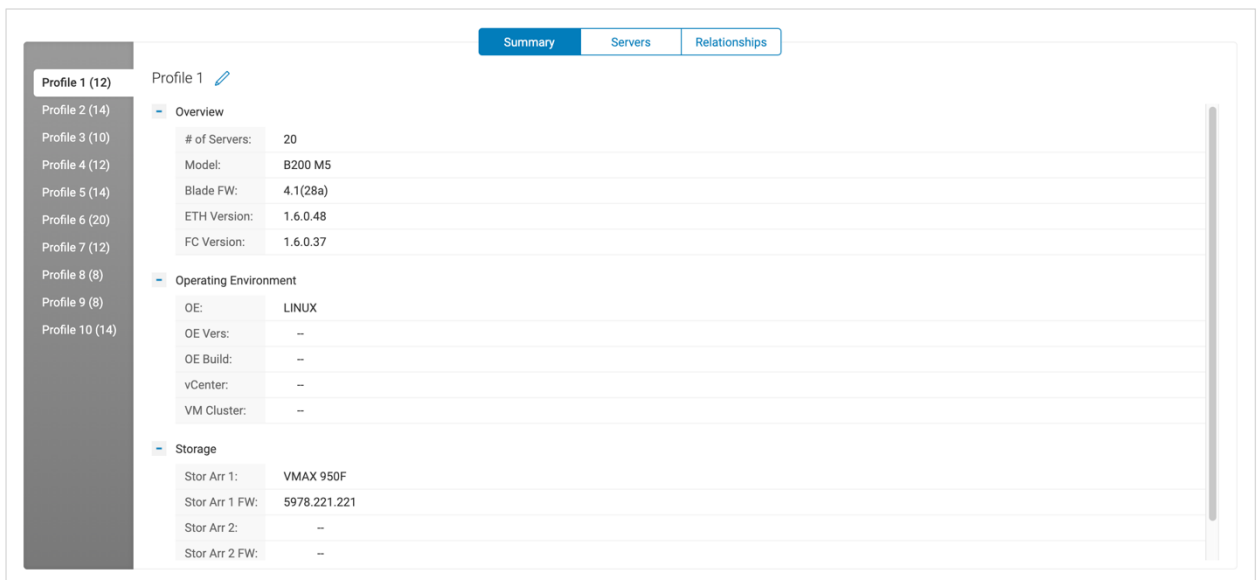
(Example is from Networking component but can be applied across any component.)

#### 4. UCS domain filter



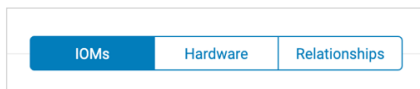
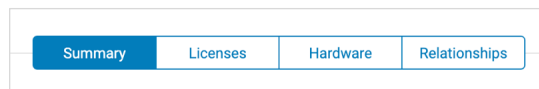
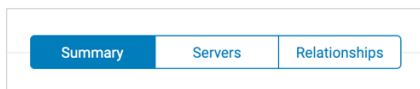
As on Overview screen, the UCS Domain filter on all Compute> sub-component screens lets users filter content within the workspace, by all domains, or a particular one. Default selection for this filter is 'All Domains'.

#### 5. Capsule tabs workspace



This is the primary interactive workspace within the UI. Capsule tabs workspace is further divided into following UI elements:

##### 5.1. Capsule tabs



Within the information hierarchy, capsule tabs are considered level 3. Capsule tabs display contextual information for the selected sub-component. To maintain visual hierarchy, these tabs are visually distinct from primary, and secondary navigation tabs. The outside edges of first, and last tabs are rounded, hence the name ‘capsule’ tabs. The selected tab is clearly indicated in inverted color (blue #007DBB). As with primary, and secondary navigation tabs, the first capsule tab will be selected by default, and at any given point only a single capsule tab will be selected.

Different sub-components may have different capsule tabs. At bare minimum, each sub-component would have at least Summary, and Relationships tabs. Never use a single capsule (primary, or secondary) tab. In instances wherein a component has no contextual information apart from Summary, do not use a single Summary tab. Instead use a section title similar to “Profile 1” (large text on white background) as indicated in the visual for capsule tabs workspace (#5).

## 5.2. Tertiary left navigation pane

The screenshot displays a web interface for 'Server Profiles'. At the top, there are navigation tabs: Overview, Compute (selected), Storage, Networking, Virtualization, and Management. Below these are sub-tabs: Server Profiles (selected), Fabric Interconnect, Chassis, and FEX. A summary bar shows: # of Profiles: 10, # of Domains: 2, and # of Servers: 124. A dropdown menu for 'UCS Domain' is set to 'All Domains'. The tertiary left navigation pane lists 10 profiles, with 'Profile 1 (12)' selected. The main content area has capsule tabs: Summary (selected), Servers, and Relationships. The 'Summary' tab for 'Profile 1' shows the following details:

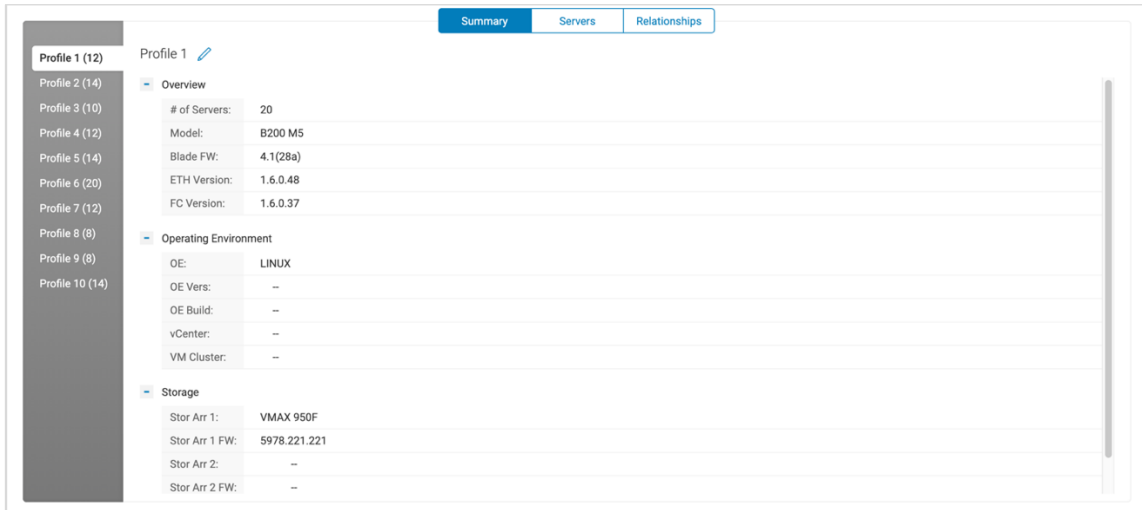
- Overview	
# of Servers:	20
Model:	B200 M5
Blade FW:	4.1(28a)
ETH Version:	1.6.0.48
FC Version:	1.6.0.37
- Operating Environment	
OE:	LINUX
OE Vers:	--
OE Build:	--
vCenter:	--
VM Cluster:	--
- Storage	
Stor Arr 1:	VMAX 950F
Stor Arr 1 FW:	5978.221.221
Stor Arr 2:	--
Stor Arr 2 FW:	--

The tertiary left navigation pane is an optional element that can be used to segregate information within a sub-component. In the visual above, the tertiary left navigation pane holds individual profiles (Profile 1, Profile 2...) within the sub-component ‘Server Profiles’. The first object in the list is selected by default.

Within the information hierarchy, objects in the tertiary left navigation pane are laterally at the same level as capsule tabs, i.e. level 3. Since this isn’t a constant UI element (used only when required), information displayed in the workspace would be in context to both, selected object in tertiary left nav, and selected capsule tab. For e.g. the visual above is displaying ‘Summary’ (capsule tab) information for ‘Profile 1’ (left navigation pane). Users can randomly choose either a different profile from the left navigation pane, or a different capsule tab. Content in the display area will always reflect last clicked UI element. i.e. if users click ‘Servers’ capsule tab, the display area would list all servers from Profile 1; and if they were to click ‘Profile 2’, the display area would list summary information for Profile 2.

In scenarios where tertiary left navigation pane isn’t present, content in display area will always be in context to the selected capsule tab.

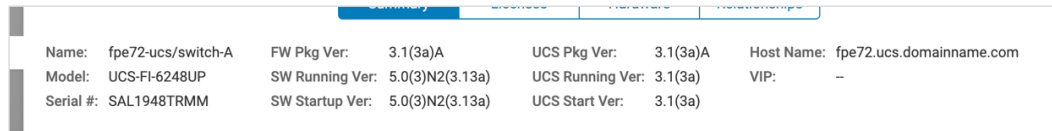
### 5.3. Main display area



Main display area is the portion of screen where information for selected component > sub-component > capsule tab, is displayed. It is the white space in above visual excluding capsule tabs, and tertiary left navigation pane.

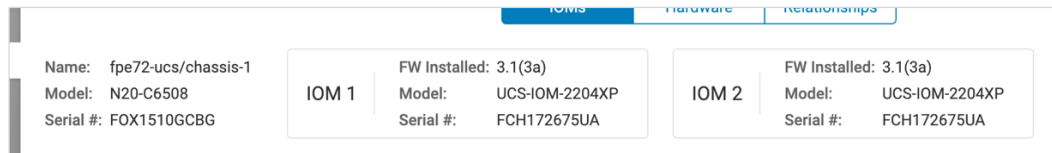
Content within the main display area can be formatted as required by current user selection. The example above depicts an expand/collapsible grid (similar to the one on Overview screen). Below are few more examples of different formats of content within the main display area.

#### 5.3.1. Multi-column summary



Use multi-column summary to display summary information for selected object, persistently across all capsule tabs. In exceptional cases, depending on context of the selected object, content within multi column summary may differ across capsule tabs.

Content within multi-column summary can also be grouped when required. The visual below indicates content grouped by individual IOMs for selected Chassis within Compute.




### 5.3.2. Tabular grid

View: ✓ Ethernet  
Fiber Channel

Port	Card#	VLAN	Media	Connected To
Ethernet 1/1	1	1618	10/100/1000BaseT	FI-A-M0
Ethernet 1/2	1	1618	10/100/1000BaseT	Nexus-A-M0
Ethernet 1/3	1	1618	10/100/1000BaseT	MDS-A-M0
Ethernet 1/4	1	1618	10/100/1000BaseT	Storage-MGMT-SPA_CS0
Ethernet 2/1	2	1618	10/100/1000BaseT	VMAX 450F MMCS1
Ethernet 2/2	2	1620	10/100/1000BaseT	RPA-A MGMT
Ethernet 2/3	2	1618	10/100/1000BaseT	VMAX 450F MMC MMCS1
Ethernet 3/6	3	1631	10/100/1000BaseT	AMP2-OOB-1
Ethernet 3/7	3	1	10/100/1000BaseT	
Ethernet 3/8	3	1	10/100/1000BaseT	

Showing 1 – 10 of 16 Ports

Use tabular grid to list multiple items. Include pagination controls as required. A 'View' filter (drop down) can also be included as required. An explicit Filter function can also be included as indicated in visual below.



Filter

- Installed
- Unused
- Available
- Expired

[Clear All](#)

Feature Name	Default	Total Quantity	Used Quantity	Subordinate Quantity	State	Peer Count Comparison	Grace Used
100G ETH C PORT ACTIVATION PKG	0	0	0	0	Not Applicable	Matching	0
100G ETH PORT ACTIVATION PKG	2	2	2	0	License OK	Matching	0
ETH PORT ACTIVATION PKG	18	18	12	2	License OK	Matching	2
ETH PORT C ACTIVATION PKG	0	0	0	0	Not Applicable	Matching	0

The filter icon on left-top of the image above acts as a toggle. When clicked, the filter pane slides in from left, displaying filter options.

### 5.3.3. Two-column grid

Hardware Summary

Number of Fan Bays	4
Number of Fans	8
Number of PS Bays	2
Number of PSUs	4

Use two-column grid to display sparse, but necessary information. Where required, multiple two-column grids can be used to group information. In such cases, place the grids one below other with adequate spacing.

Also, the two-column grid can be used along with tabular grid as indicated in visual below.

Adapters

Name	PID	Serial#	Running Version	Part#
1	XXXXXXXX	FCH17317HVL	7.1 (3)	aaaaaaa

Hardware Summary

Number of Fan Bays	4
Number of Fans	8
Number of PS Bays	2
Number of PSUs	4

Rest of the Compute sub-components, i.e. Fabric Interconnect, Chassis, and FEX follow same design patterns, and UI components. Wireframe designs for these sub-components are at:

- Fabric Interconnect – [https://7cj8y0.axshare.com/#g=1&p=inventory\\_compute\\_fi](https://7cj8y0.axshare.com/#g=1&p=inventory_compute_fi)
- Chassis – [https://7cj8y0.axshare.com/#g=1&p=inventory\\_compute\\_chassis](https://7cj8y0.axshare.com/#g=1&p=inventory_compute_chassis)
- FEX - [https://7cj8y0.axshare.com/#g=1&p=inventory\\_compute\\_fex](https://7cj8y0.axshare.com/#g=1&p=inventory_compute_fex)

## 4. Selected VxBlock – Storage

The screenshot displays the Dell EMC Rembrandt VxBlock Storage management interface. The top navigation bar includes the Dell EMC logo, the name 'Rembrandt', and the user 'john.smith@acme.com'. The main content area shows the 'Storage' tab selected, with a sub-tab 'VMAX-01' active. The 'Capacity (TB)' section shows 35.4 TB Used and 2.6 TB Available. Below this, the 'Configuration' tab is selected, displaying details for the storage array: Serial#: 197900342, Cache (MB): 868352, Unisphere Version: 9.0, Model: VMAX950F, Capacity (GB): 38000, Data Encryption: Disabled, HyperMax OS: 5978.221.221, # of Disks: 88, and # of Visible Host Devices: 10. A 'VIEW IN CLOUDIQ' button is visible in the top right of the capacity section.

URL: [https://7cj8y0.axshare.com/#g=1&p=inventory\\_storage](https://7cj8y0.axshare.com/#g=1&p=inventory_storage)

### Description:

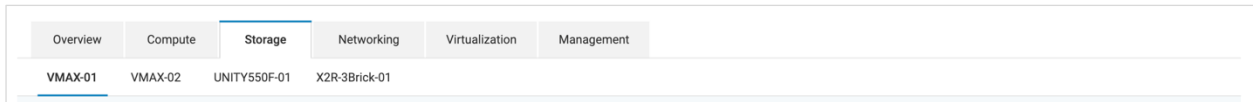
The Storage component (tab) lists all storage arrays within the VxBlock. These storage arrays may, or may not be synchronized with Cloud IQ. Rembrandt phase 1 business requirements consider only Configuration, Hardware, and Relationships data for Storage. However, Cloud IQ provides data on health, capacity, and performance attributes for storage. For arrays synchronized with Cloud IQ, users will be led to Cloud IQ portal to view details on health, capacity, and performance.

## Key UI Components:

The Storage screen will retain all global UI components referred to in previous screens.

### 1. Primary navigation tabs

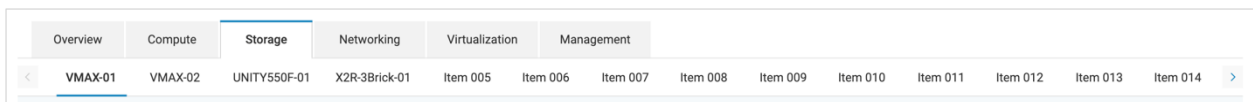
As covered for Overview screen.



### 2. Secondary navigation tabs

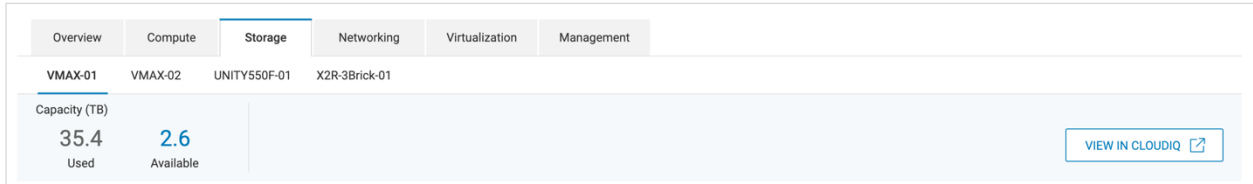
As covered for Compute screen.

The Storage component may need to accommodate numerous sub-components at level 2. For exceptional instances wherein the number of storage arrays exceed available horizontal space to display all arrays (as secondary navigation tabs) in a single row, a horizontal scroll can be added to the secondary navigation tabs row as indicated in example below.

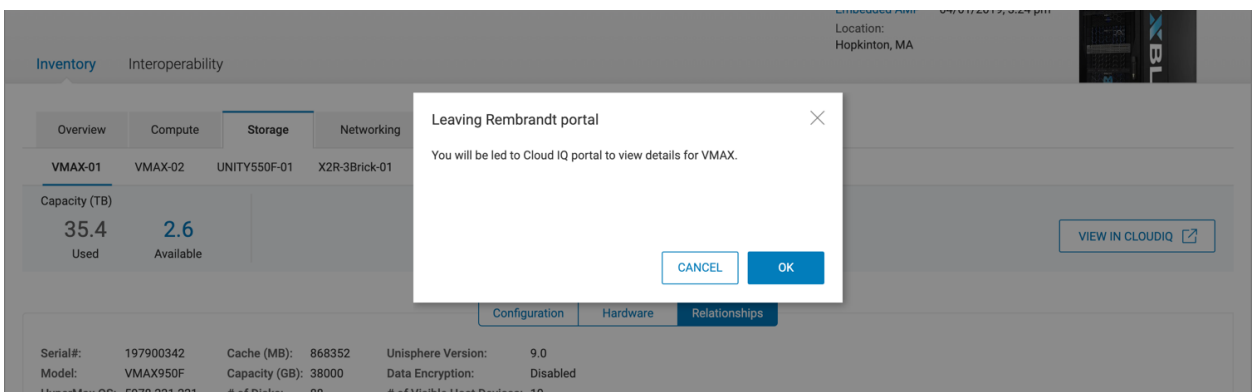


### 3. Summary band

Apart from displaying key data pointers, for arrays synchronized with Cloud IQ, the Storage summary band displays a 'View in Cloud IQ' button as indicated in visual below.



The 'View in Cloud IQ' button includes an icon that indicates destination screen opening in a separate browser tab/window. Essentially, upon clicking the View in Cloud IQ button, users are led to details of corresponding storage array in Cloud IQ portal. In order to clearly inform users that they would be leaving the Rembrandt portal, a confirmation dialog box is provided with options to cancel or proceed (OK), as indicated in visual below.



#### 4. Capsule tabs workspace

As covered for Compute screen.

The screenshot displays the 'Storage' tab of a workspace interface. At the top, there are navigation tabs: Overview, Compute, Storage (selected), Networking, Virtualization, and Management. Below these, there are sub-tabs for VMAX-01, VMAX-02, UNITY550F-01, and X2R-3Brick-01. The main content area shows storage capacity information: Capacity (TB) with 35.4 Used and 2.6 Available. A 'VIEW IN CLOUDIQ' button is present. Below this, there are sub-tabs for Configuration, Hardware (selected), and Relationships. The Hardware section displays system details: Serial#: 197900342, Cache (MB): 868352, Unisphere Version: 9.0, Model: VMAX950F, Capacity (GB): 38000, Data Encryption: Disabled, HyperMax OS: 5978.221.221, # of Disks: 88, and # of Visible Host Devices: 10. A 'System Bays' table is also shown.

System Bay	SB-1
Number of Standby Power Supplies	6
Number of Drive Enclosures	4
Number of Enclosure Slots	2
Number of MIBE Enclosures	2
All Standby Power Supplies	6

## 5. Selected VxBlock – Networking

The screenshot displays the Dell EMC Rembrandt VxBlock 1 Networking page. The page header includes the Dell EMC logo, the name 'Rembrandt By Cloud IQ', and the user 'john.smith@acme.com'. The main navigation bar has tabs for Overview, Compute, Storage, Networking (selected), Virtualization, and Management. Below this, there are sub-tabs for N3K-A, N3K-B, N5K-A, N5K-B, MDS-A, and MDS-B. A summary band shows Port Utilization (8 Used, 8 Unused) and Licenses (16 Total, 8 Available, 8 Ineligible). A capsule menu shows Ports, Licenses, Hardware, and Relationships. The main content area shows a table of ports with columns for Port, Card#, VLAN, Media, and Connected To. The table lists 16 ports, including Ethernet 1/1 through 3/8. A pagination bar at the bottom shows 'Showing 1 - 10 of 16 Ports'.

URL: [https://7cj8y0.axshare.com/#g=1&p=inventory\\_networking](https://7cj8y0.axshare.com/#g=1&p=inventory_networking)

### Description:

The Networking component (tab) primarily lists all switches within the VxBlock. Each switch is treated as a sub-component, and displayed as secondary navigation tab.

Key attributes for a switch are Ports, and Licenses. Hence, the summary band and capsule tabs display information on ports, and licenses. Default view for Networking screen will be Ports capsule for first switch (selected) in secondary navigation.

Although attributes information for all switches may be similar, there is variance in data across N3K, N5K, and MDS switches. The main display area for different switches have different widgets that facilitate additional views/filters. For e.g. the main display area for N5K-A switch has a view by Ethernet/Fiber Channel filter, whereas N3K-A does not.

### Key UI Components:

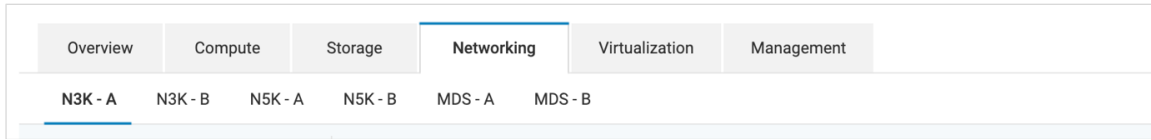
*The Networking screen will retain all global UI components referred to in previous screens.*

#### 1. Primary navigation tabs

*As covered for Overview screen.*

## 2. Secondary navigation tabs

*As covered for Compute screen.*

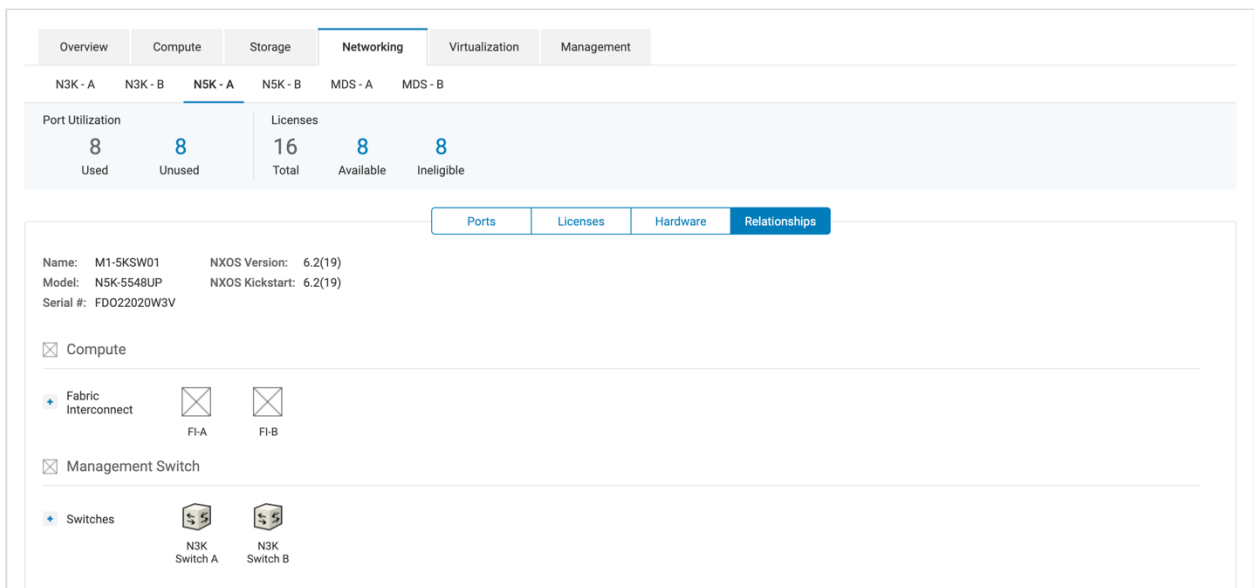


## 3. Summary band

*As covered for Compute screen.*

## 4. Capsule tabs workspace

*As covered for Compute screen.*



Relationships capsule tab across all components and sub-components has the expand/collapsible tabular grid. This tab lists all objects within the VxBlock that are connected/have dependency on current selected sub-component, or object.

In visual example above, objects FI-A, FI-B, N3K Switch A, and N3K Switch B, are connected to sub-component N5K-A (selected secondary tab). Any updates to switch N5K-A will have implications on objects it is connected with, and vice-versa. Hence, it is absolutely crucial to know which objects are connected to a sub-component and understand updates & compliance implications across all components within the VxBlock.

Objects within the Relationships expand/collapsible grid may further have supplemental information. The grid can be expanded by clicking desired '+' icon or corresponding label. Visual below indicates Fabric Interconnect row expanded.

Ports Licenses Hardware Relationships

Name: M1-5KSW01 NXOS Version: 6.2(19)  
 Model: NSK-5548UP NXOS Kickstart: 6.2(19)  
 Serial #: FDO22020W3V

Compute

Fabric Interconnect

FI-A FI-B

Switch Port	Speed	Dest Device	Dest Interface	PO
Eth1/1	100G	FI-A	Eth1/53	101
Eth1/3	100G	FI-A	Eth1/54	101

Management Switch

When expanded, in case each object has its own unique set of data, users have the ability to show/hide data for desired object by way of a checkbox toggle. Visual above indicates data visible (table below FI-A, FI-B icons) only for FI-A (selected checkbox), whereas visual below indicates data visible for FI-A, as well as FI-B.

Ports Licenses Hardware Relationships

Name: M1-5KSW01 NXOS Version: 6.2(19)  
 Model: NSK-5548UP NXOS Kickstart: 6.2(19)  
 Serial #: FDO22020W3V

Compute

Fabric Interconnect

FI-A FI-B

Switch Port	Speed	Dest Device	Dest Interface	PO
Eth1/1	100G	FI-A	Eth1/53	101
Eth1/3	100G	FI-A	Eth1/54	101
Eth1/2	100G	FI-B	Eth1/53	102
Eth1/4	100G	FI-B	Eth1/54	102

Management Switch

Expanded data can be collapsed by clicking the '-' icon or corresponding label. Once collapsed, the checkboxes besides corresponding objects also disappear. Alternatively, expanded data can be collapsed by un-checking all check boxes besides corresponding objects.

## 6. Selected VxBlock – Virtualization

The screenshot displays the Dell EMC VxBlock management console. At the top, the user is logged in as john.smith@acme.com. The main navigation bar includes tabs for Overview, Compute, Storage, Networking, Virtualization, and Management. The Virtualization tab is active, showing a summary of vCenter 1 and vCenter 2. Key statistics are displayed: 20 Clusters, 124 Hosts, 2 External PSCs, and 62 Datastores. Below the summary, there are three sections: vCenter Configuration, Virtualization Resources, and Virtual Infrastructure, each with a table of details.

vCenter Configuration	
vCenter	vCenter 1
Host Name	vcenter.vce.com
Version	6.5.0 build-9451637

Virtualization Resources	
Hosts	124
Clusters	20
Datastores	62
Workload Type	Production

Virtual Infrastructure	
PSC1	psc1.vce.com
PSC2	psc2.vce.com
Update Manager	vum.vce.com
ELM Connection	vCenter 2

URL: [https://7cj8y0.axshare.com/#g=1&p=inventory\\_virtualization](https://7cj8y0.axshare.com/#g=1&p=inventory_virtualization)

### Description:

Virtualization is where vCenters from the VxBlock are listed. Although virtual, vCenters are treated as physical sub-component objects within the UI.

Key attributes for a vCenter are Hosts, and Clusters (of hosts). Default view for Virtualization is Summary capsule for the first vCenter (selected secondary navigation tab).

### Key UI Components:

*The Virtualization screen will retain all global UI components referred to in previous screens.*

1. Primary navigation tabs  
*As covered for Overview screen.*
2. Secondary navigation tabs  
*As covered for Compute screen.*

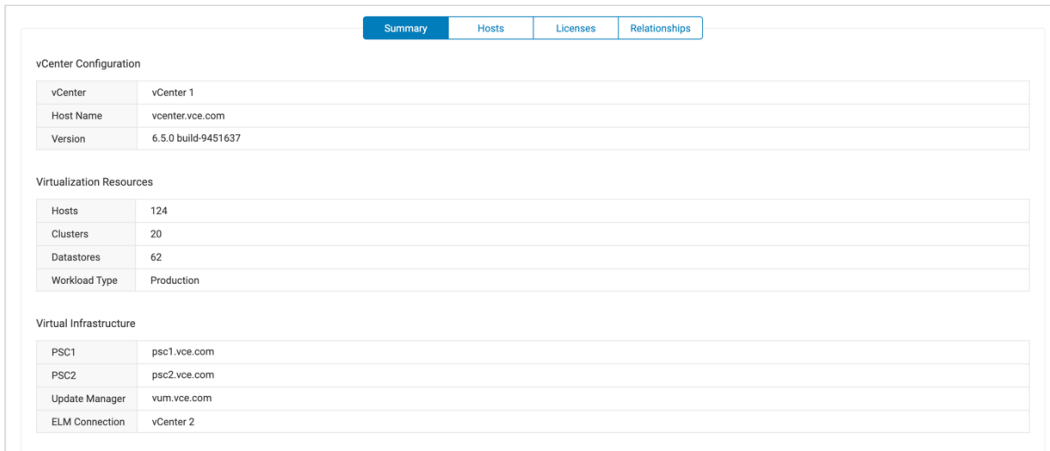
### 3. Secondary navigation tabs

As covered for Compute screen.

### 4. Capsule tabs workspace

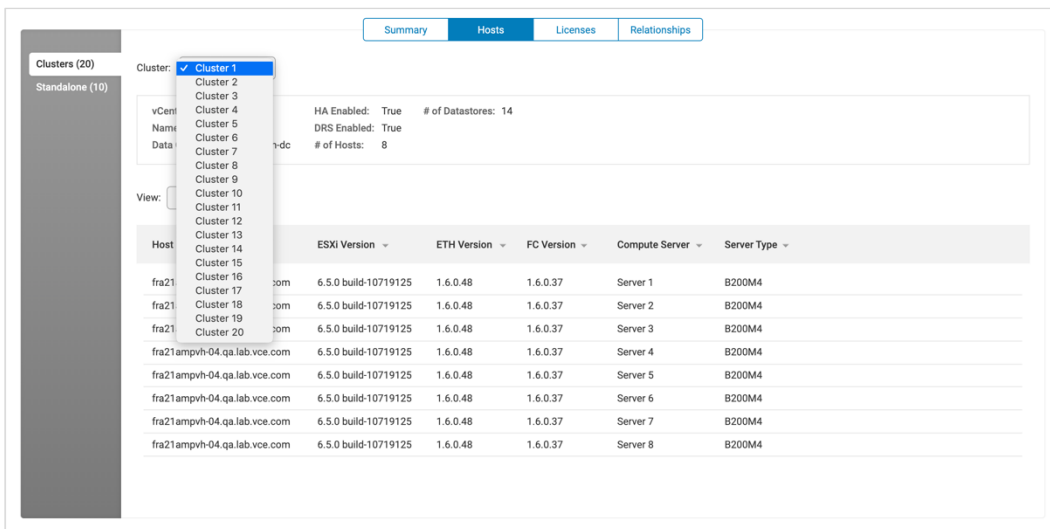
The main display area for each vCenter capsule utilizes different UI elements/patterns to display content.

#### 4.1. Summary



The Summary capsule tab for vCenters displays content grouped by multiple two-column grids.

#### 4.2. Hosts



The Hosts capsule tab segregates information by Clusters (group of hosts), and Standalone (hosts not grouped into clusters) in tertiary left navigation pane. The main display area lists individual Hosts, Datastores, and Networks by cluster. Users can choose desired cluster from Cluster drop-down, and view list of either Hosts, Datastores, or Networks through the 'View' filter. Default selection for cluster drop-down will be the first cluster, and default for selection for View filter will be Hosts.

### 4.3. Licenses

The screenshot shows the Licenses tab in vCenter. At the top, there are four tabs: Summary, Hosts, Licenses (selected), and Relationships. Below the tabs is a multi-column summary for vCenter 1, including Hosts (124), Clusters (20), Datastores (62), PSC1 (psc1.vce.com), PSC2 (psc2.vce.com), Workload Type (Production), and Update Manager (um.vce.com). Below the summary is a table with columns: License, Key, Total License, and Used.

License	Key	Total License	Used
NSX for vShield Endpoint	4J6VQ-DTHEQ-5BTK9-0DAU6-3T952	0	0
VMware vCenter Server 6 Standard	JH0CP-ACL4P-6899M-090A6-2W901	6	1
NSX Data Center Advanced	X1434-0L082-L8UD8-0H1K2-1H7H4	32	0
Product Evaluation	00000-00000-00000-00000-00000	0	0
VMware vSphere 6 Enterprise Plus	AN436-4Y0E0-K848G-048U4-ARP75	59	52

Licenses main display area utilizes multi-column summary to reflect selected vCenter and other supplementary information, and tabular grid to list licenses.

### 4.4. Relationships

The screenshot shows the Relationships tab in vCenter. At the top, there are four tabs: Summary, Hosts, Licenses, and Relationships (selected). Below the tabs is a multi-column summary for vCenter 1, including HA Enabled (True), DRS Enabled (True), # of Datastores (14), and # of Hosts (8). Below the summary is a tabular grid showing component objects segregated by category: Compute (ESXI Host Profiles, Server 1-8), Storage (Storage Array, VMAX 950F), and Networking (Switches, DV Switch 01-A, DV Switch 01-B).

The Relationships capsule tab for vCenter utilizes a combination of different UI elements/patterns. Component objects are segregated by:

- Clusters, and Standalone (hosts) in tertiary left navigation pane
- Individual cluster from Cluster drop-down, and
- Expand/collapsible tabular grid

Selected vCenter information also displayed through multi-column summary on top of the expand/collapsible tabular grid.

## 7. Selected VxBlock – Management

The screenshot displays the Dell EMC VxBlock Management interface. At the top, the header shows 'Dell EMC Rembrandt' and the user 'john.smith@acme.com'. The main content area is titled 'VxBlock 1' with ID 'VXB1000-3232CA | FOC21261DS1'. It features a navigation bar with tabs for 'Overview', 'Compute', 'Storage', 'Networking', 'Virtualization', and 'Management' (highlighted with a yellow callout '1'). Below the navigation bar, there are sub-tabs for 'Server Profiles', 'Unity550F-01', 'AMP\_vCenter', and 'Workload'. A yellow callout '2' points to the 'Server Profiles' tab, and a yellow callout '3' points to the server profile list area. The 'Management' tab is further divided into 'Summary', 'Servers', and 'Relationships' sub-tabs, with a yellow callout '4' pointing to the 'Servers' sub-tab. The 'Servers' sub-tab shows a table of server profiles with the following details:

Profile 1 (2)	Profile 2 (1)
Overview	
# of Servers:	2
Model:	UCSC-C220-M3S
CPU:	Intel Xeon ES-2600
FW Version:	4.1(28a)
ETH Version:	1.6.0.48
FC Version:	1.6.0.37
Operating Environment	
Storage	
Configuration	

URL: [https://7cj8y0.axshare.com/#g=1&p=inventory\\_mgmt](https://7cj8y0.axshare.com/#g=1&p=inventory_mgmt)

### Description:

VxBlocks are managed either by a separate management VxBlock, or an embedded AMP. VxBlocks that are managed by embedded AMPs, display the Management primary navigation tab. All resources used to manage the VxBlock, are housed within Management. VxBlocks not managed by embedded AMPs do not display Management primary navigation tab.

### Key UI Components:

*The Virtualization screen will retain all global UI components referred to in previous screens.*

#### 1. Primary navigation tabs

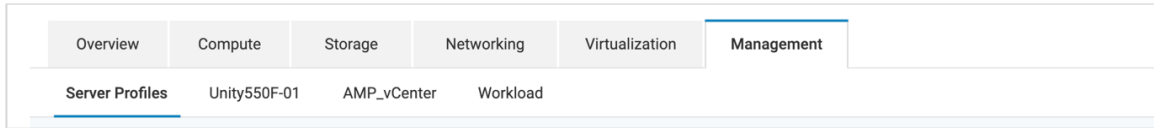
*As covered for Overview screen.*

#### 2. Secondary navigation tabs

*As covered for Compute screen.*

Sub-components for Compute, Storage, Networking, and Virtualization follow a coherent structure, i.e. all secondary navigation tabs are objects exclusively analogous to their respective parent component. However, since Management is an amalgamation of resources from all other components, it may not necessarily follow

the same structure. For e.g. current set sub-components for Management is part Compute (server profiles), part Storage (Unity550F-01), part Virtualization (AMP\_vCenter).



### 3. Summary band

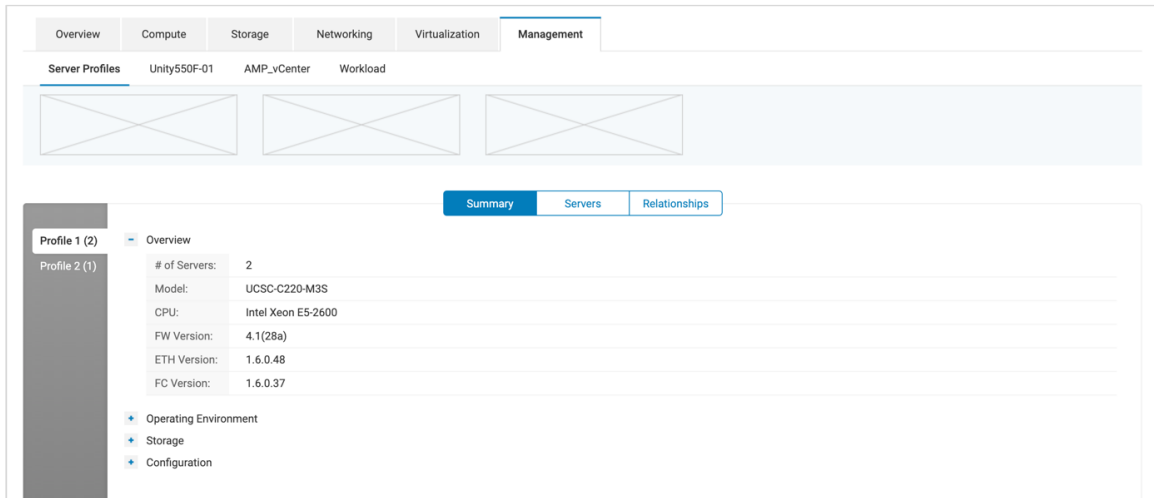
*As covered for Compute screen.*

### 4. Capsule tabs workspace

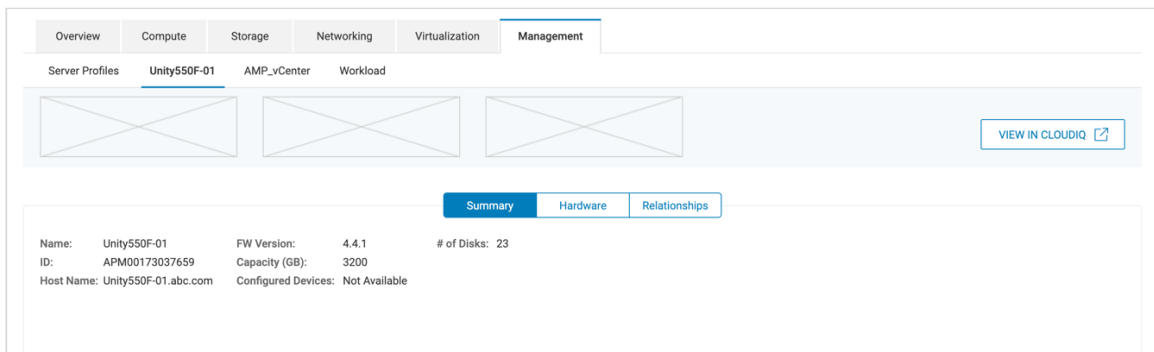
*As covered for Compute screen.*

Since Management is a combination of sub-components from different components, capsule workspace for selected Management sub-component will emulate structure from original sub-component. For e.g. Server Profiles under Management will have the same structure as Server Profiles under Compute, i.e. Summary, Servers, Relationships. Albeit, Management> Server Profiles capsule tabs would contain lesser objects than Compute> Server Profiles capsule tabs.

#### 4.1. Server Profiles



#### 4.2. Unity550F-01



### 4.3. AMP\_vCenter

Summary
Hosts
Licenses
Relationships

**vCenter Configuration**

Host Name	vcenter.vce.com
Version	6.5.0 build-9451637

**Virtualization Resources**

Hosts	3
Clusters	1
Datastores	14
Workload Type	Production

**Virtual Infrastructure**

PSC1	psc1.vce.com
PSC2	psc2.vce.com
Update Manager	vum.vce.com
ELM Connection	vCenter 2

### 4.4. Workload

Overview
Compute
Storage
Networking
Virtualization
Management

Server Profiles
Unity550F-01
AMP\_vCenter
Workload

Summary
Relationships

**Guest VMs**

Name	Guest OS	# of CPU	Memory Usage
vision-msp-3.6.0.0-39-39_8jan	SUSE Linux Enterprise 11 (64-bit)	4	3276
T1KEM02	Microsoft Windows Server 2012 (64-bit)	2	2129
VxBlock-Central-msm-1.5_AMP_Vx	CentOS 4/5 or later (32-bit)	6	1966
VxBlock-Central-core-1.5_AMP_Vx	CentOS 4/5 or later (32-bit)	2	491
vxb1002-nsxt-mgr01	Ubuntu Linux (64-bit)	6	4177
vxb1002-nsxt-mgr02	Ubuntu Linux (64-bit)	6	4177

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## 8. Selected VxBlock – Interoperability

Management: Embedded AMP | Last synced: 04/01/2019, 3:24 pm  
Location: Hopkinton, MA

Evaluation Type: **Dell EMC Tested** | HCL Validated | Custom

Select Dell EMC Tested for Lorem ipsum dolor sit amet, consectetur adipiscing elit. Aenean euismod bibendum, and click Evaluate button.

View By: **UCS Domain** | vCenter

All Domains:  Compute

Fabric Interconnect: UCS 6332 16UP Ver xx.xx.xx

IOMs: UCS 6332 16UP Ver xx.xx.xx

Server Profiles: Profile 1 ESXi Ver 6.5.0.1, Profile 2 ESXi Ver 6.5.0.1, Profile 3 ESXi Ver 6.5.0.1, Profile 4 ESXi Ver 6.5.0.1, Profile 5 ESXi Ver 6.5.0.1, Profile 6 ESXi Ver 6.5.0.1, Profile 7 ESXi Ver 6.5.0.1, Profile 8 ESXi Ver 6.5.0.1

Overview	Profile 1	Profile 2	Profile 3	Profile 4	Profile 5	Profile 6	Profile 7	Profile 8
# of Servers:	20	56	150	64	156	200	150	84
Model:	B200 M5	B200 M5	B200 M4	B480 M5	B480 M5	B200 M4	B200 M4	B200 M4
Blade FW:	4.1(28a)	4.1(28a)	4.1(28a)	4.1(28a)	3.1(26g)	4.1(28a)	3.1(26g)	4.1(28a)
ETH Version:	1.6.0.48	1.6.0.47	1.6.0.47	1.6.0.47	1.6.0.47	1.6.0.47	1.6.0.47	1.6.0.47
FC Version:	1.6.0.37	1.0.27.0	1.0.27.0	1.0.27.0	1.0.27.0	1.0.27.0	1.0.27.0	1.0.27.0

URL: <https://7cj8y0.axshare.com/#g=1&p=interop>

### Description:

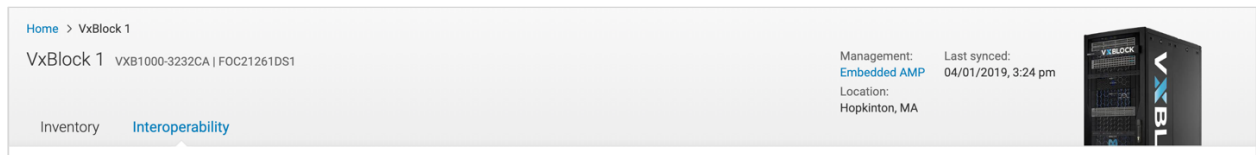
Interoperability is the USP (unique selling proposition) for Rembrandt. Interoperability module differs substantially from Inventory. Inventory is designed to facilitate more of a 'Browse & find' use case, whereas Interoperability is more of an 'Evaluate' use case. As a precursor for future Upgrade Planning, and Upgrades modules, Interoperability lets users run different types of evaluations on all component objects within the VxBlock. These evaluations help determine version compliance, and interdependencies amongst various component objects.

There are 3 types of evaluations – 1) Dell EMC Tested, 2) HCL Validated, and 3) Custom. Users can select the desired type of evaluation, run the evaluation, and determine the right course of action from evaluation result findings.

Interoperability features for phase 1 release are limited to evaluation selection, corresponding results. Actions on result findings (plan upgrades, upgrade) are planned for further subsequent releases. When Upgrade Planning, and Upgrades modules are ready to be implemented, they can be presented as module tabs beside Interoperability.

## Key UI Components:

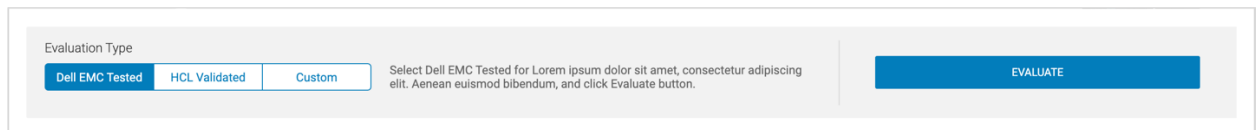
### 1. VxBlock banner (across all Interoperability screens)



As with Inventory, the VxBlock banner is persistently visible across all Interoperability screens. It still retains information in context to the selected VxBlock.

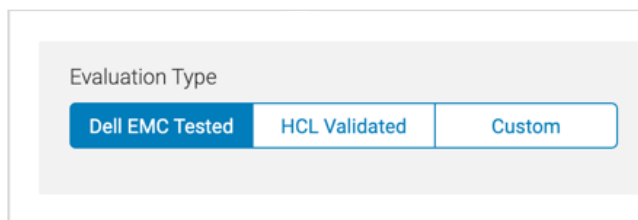
Upon being clicked, the Interoperability module tab is displayed as selected (blue, #007DBB), with the pointer beneath it's label. As mentioned for Inventory> Overview, future design versions for the banner can provide a compact toggle that would hide supplementary information, and display just the breadcrumb links, VxBlock title, and module tabs.

### 2. Evaluation band



Evaluation band is the grey band that holds evaluation type buttons, contextual instructional text, and the Evaluate button. It is placed right below the banner and is visible at all times on the Interoperability landing screen.

### 3. Evaluation type buttons



Users can run 3 types of evaluations on VxBlock components:

#### 3.1. Dell EMC Tested (this section needs to be validated by PM)

Dell EMC tested or TAAS (tested as a system) refers to a comprehensive set of evaluation criteria that is utilized to evaluate compliance and interoperability for all component objects within the VxBlock. The goal is to ensure all component objects are Dell EMC RCM (release certification matrix) compliant; and if not, to determine objects that aren't, and the type of non-compliant issue(s).

Essentially, with Dell EMC tested evaluation, Dell EMC as a vendor certifies compliance/interoperability of all component objects within the VxBlock. A Dell EMC tested fully compliant VxBlock system would be very reassuring for customers and help build their confidence towards Dell EMC as a vendor.

Upon clicking Interoperability module tab, Dell EMC Tested evaluation type button is selected by default.

### 3.2. HCL Validated (this section needs to be validated by PM)

An HCL validated evaluation isn't necessarily as comprehensive as Dell EMC tested. With HCL Validated evaluation, component objects are tested for upgrade compliance to respective component vendors, and not necessarily Dell EMC RCM. For e.g. during an HCL validated test, a network switch from Cisco will be evaluated for upgrades and compliance criteria published by Cisco, not Dell EMC RCM.

Essentially, with HCL validated test, Dell EMC does not certify the VxBlock system as fully compliant but does ensure that individual component objects do meet required vendor compliance.

### 3.3. Custom (this section needs to be validated by PM)

For Dell EMC Tested, and HCL Validated evaluations users run the evaluations on all component objects within the VxBlock. However, for Custom evaluation users get the ability to choose a set of components, or individual component objects to run the evaluation on.

Upon selecting Custom evaluation, users are required to choose the components/objects before they can run the evaluation.

## 4. Evaluation instructional text

Evaluation Type

**Dell EMC Tested** HCL Validated Custom

Select Dell EMC Tested for Lorem ipsum dolor sit amet, consectetur adipiscing elit. Aenean euismod bibendum, and click Evaluate button.

Evaluation Type

Dell EMC Tested **HCL Validated** Custom

Select HCL Validated for Lorem ipsum dolor sit amet, consectetur adipiscing elit. Aenean euismod bibendum, and click Evaluate button.

Evaluation Type

Dell EMC Tested HCL Validated **Custom**

Select Custom if you want to check interoperability for individual components. Select desired components and click Evaluate button.

Interoperability is a new feature being introduced to customers. As such, there is bound to be a learning curve for users to comprehend and adapt it completely. To reduce the learning curve, key features are augmented with contextual instructional text.

Each evaluation type has contextual instructional text placed besides evaluation buttons. The instruction changes based on evaluation type selected. Dell EMC Tested instructional text is presented by default. Above visuals indicate placeholder instructional text per evaluation type. Each instance further needs to be updated with inputs from PMs.

Most effective instructional texts are precise, concise, and contextual to the current selection. For evaluation type selection, ensure instructional text clearly communicates context and implications of each type. Make sure the text does not extend beyond a couple of sentences.

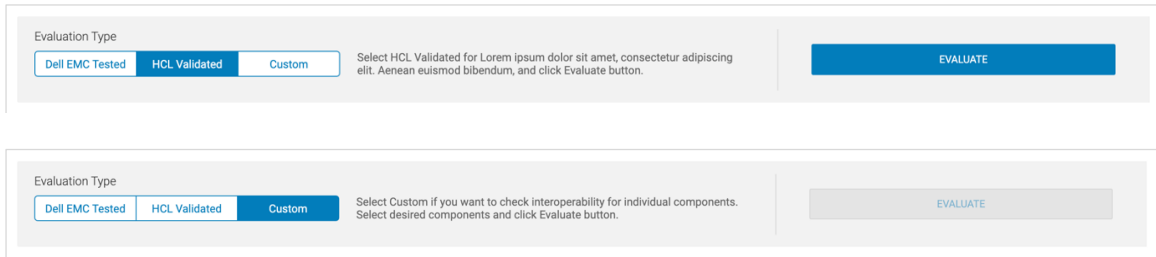
## 5. Evaluate button

Evaluation Type

**Dell EMC Tested** HCL Validated Custom

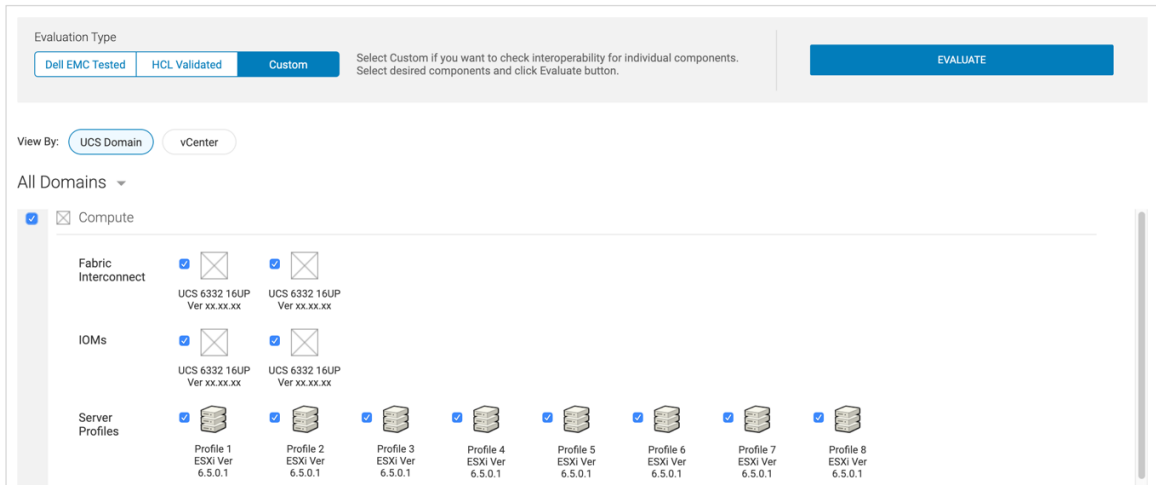
Select Dell EMC Tested for Lorem ipsum dolor sit amet, consectetur adipiscing elit. Aenean euismod bibendum, and click Evaluate button.

**EVALUATE**

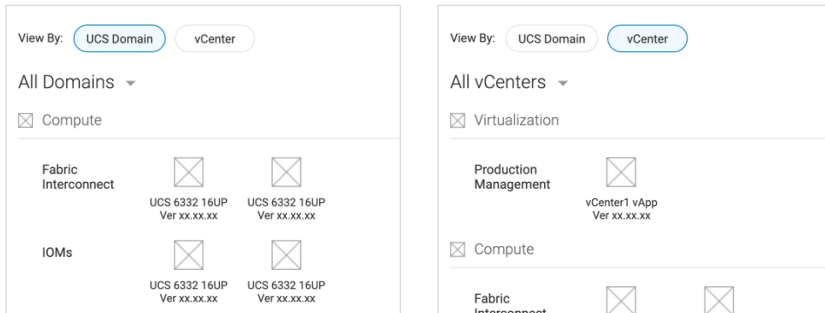


In visuals above, the Evaluate button for Dell EMC Tested and HCL Validated evaluation is active by default but is deactivated for Custom evaluation type. A requirement for Custom evaluation is that users need to select desired components/objects to evaluate.

Once users click Custom evaluation button, the Evaluate button is deactivated, and selection checkboxes appear beside components and individual component objects in expand/collapsible tabular grid below. Only when users select at least one component object or a set of components, the Evaluate button is activated. Users can select/deselect an entire set of components by clicking the corresponding check box in grey vertical band on left. Alternatively, they can select/deselect each single component object individually by clicking the corresponding checkbox besides the component object as indicated in visual below.



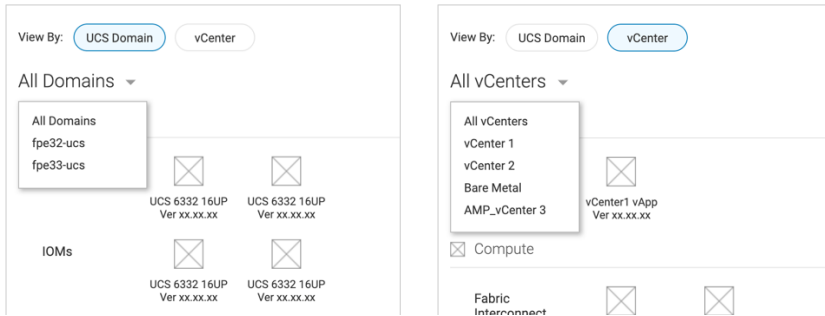
## 6. View By filter



View By filter is a function that lets users customize the interop view. Based on the selection, it aligns components in grid below either by UCS Domain, or vCenter.

The filter utilizes a different type of widget than on Inventory screens (drop-down widget) to persistently and prominently display selected and available choices.

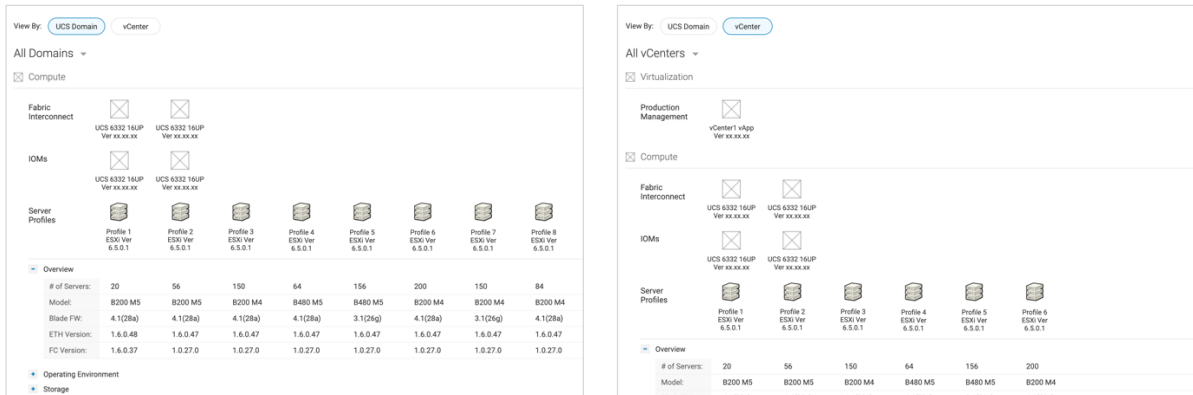
## 7. Domain/vCenter filter



Apart from the View By filter, users have an additional Domain/vCenter filter to narrow down components within the grid.

Depending on UCS Domain/vCenter filter selection, another filter to select Domains/vCenters is provided right below the View By filter. Within UCS Domain, users have the choice to select a particular domain or all domains, and likewise with vCenters.

## 8. Expand/collapsible tabular grid



The expand/collapsible tabular grid works the same way as documented for Overview screen. However, for Interoperability it provides a View By filter. Users can choose to view components aligned either by UCS Domain, or vCenter. It's the same set of components; just presented differently. Above visuals indicate views by either filter.

# 9. Selected VxBlock – Interoperability Evaluation Results

Home > VxBlock 1

VxBlock 1 VXB1000-3232CA | FOC21261DS1

Management: Embedded AMP | Last synced: 04/01/2019, 3:24 pm  
Location: Hopkinton, MA

Inventory Interoperability

1 < Back to Evaluation

Evaluation Result - Dell EMC Tested | Inventory sync at: 04/01/2019, 3:24 pm | Evaluation run on: 04/02/2019, 2:14 pm

2

- 60 Number of Components evaluated.
- 123 Number of assessments run.
- 56 Number of components found compliant.
- 4 Number of components found non-compliant.
- 2 Number of components with unclassified issues.

3 View By:  UCS Domain  vCenter

4

Issues by UCS Domains

Domain	Count
All Domains	4
fpe32-ucs	3
fpe33-ucs	1

6

Issue Details  Not Supported  Not Recommended  Verified  Under Evaluation

Domain	Type	Result	Components	Version	Description
fpe32-ucs	<input checked="" type="checkbox"/> Not Supported	Fail	Profile 1	3.1(3a)	Lorem ipsum dolor sit amet, consectetur adipiscing elit. Aenean euismod bibendum laoreet. Proin gravida dolor sit amet lacus accumsan et viverra justo commodo. Proin sodales pulvinar sic tempor. Sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Nam fermentum, nulla luctus pharetra vulputate, felis tellus mollis orci, sed rhoncus pronin sapien nunc accuan eget.
	<input checked="" type="checkbox"/> Not Supported	Fail	Profile 3	3.1(3a)	
	<input checked="" type="checkbox"/> Not Supported	Fail	Profile 4	3.1(3a)	
	<input checked="" type="checkbox"/> Not Supported	Fail	VMAX 250F	3.1(23a)	
fpe32-ucs	<input checked="" type="checkbox"/> Not Recommended	Fail	Profile 1	3.1(3a)	Sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Nam fermentum, nulla luctus pharetra vulputate, felis tellus mollis orci, sed rhoncus pronin sapien nunc accuan eget.
	<input checked="" type="checkbox"/> Not Recommended	Fail	Profile 2	3.1(3a)	
	<input checked="" type="checkbox"/> Not Recommended	Fail	N3KA	3.1(3a)	
fpe32-ucs	<input checked="" type="checkbox"/> Verified	Fail	Profile 4	3.1(3a)	Proin gravida dolor sit amet lacus accumsan et viverra justo commodo. Proin sodales pulvinar sic tempor. Sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Nam fermentum, nulla luctus pharetra vulputate, felis tellus mollis orci, sed rhoncus pronin sapien nunc accuan eget.
	<input checked="" type="checkbox"/> Verified	Fail	VMAX 250F	3.1(3a)	
fpe33-ucs	<input checked="" type="checkbox"/> Under Evaluation	Fail	VMAX 250F	3.1(3a)	Nam fermentum, nulla luctus pharetra vulputate, felis tellus mollis orci, sed rhoncus pronin sapien nunc.

7 EXPORT RESULT BACK TO EVALUATION

URL: [https://7cj8y0.axshare.com/#g=1&p=evaluate\\_result\\_3](https://7cj8y0.axshare.com/#g=1&p=evaluate_result_3)

## Description:

Upon clicking Evaluate button on previous (Interoperability) screen, users are led to a separate evaluation results screen. This screen displays detailed information on the evaluation and corresponding results. For phase 1, scope of evaluation results is limited to display only. Call to action features (upgrade planning, and upgrades) on result findings are planned for subsequent phases.

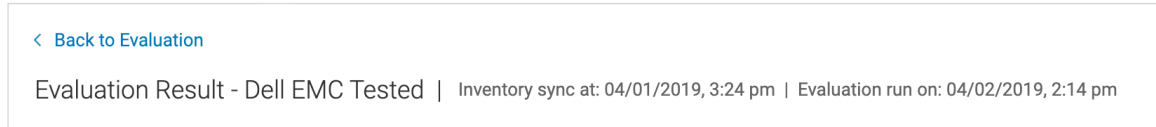
Evaluation result findings are intended to comprehensively inform users on type of evaluation run, positive as well as negative data pointers, categorize information by UCS Domain and vCenter, and provide detailed description of issues found.

Each instance of evaluation is unique (every single evaluation would have a unique time stamp), and hence each instance of results is unique too. For phase 1, evaluation results cannot be saved in any manner. That implies, in case users click the browser back button, or back to evaluation, they stand to lose that particular set of results data. They can always re-run the evaluation but results for any subsequent evaluations will never be duplicated. The only way users can preserve current result findings is through 'Export Result' functionality. For phase 1, that's

the only functionality for users to retain evaluation results. Once they click Back to Evaluation, that particular instance of evaluation result is lost.

## Key UI Components:

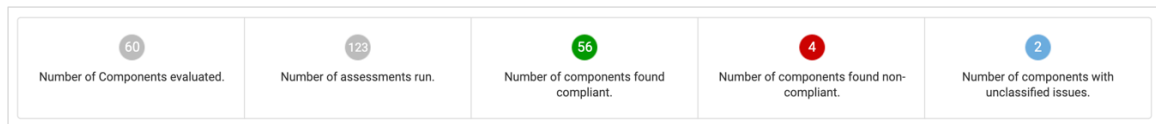
### 1. Result title



The result title indicates type of evaluation run. It is appended with time stamp information for – 1) inventory sync for that particular VxBlock, i.e. the time VxBlock components synchronized with Rembrandt, and 2) the time which that particular evaluation was initiated. These time stamps are essential since the result reflects status of components for that particular moment only. If the same evaluation is run later, results may differ depending on status of components at that instance.

The result title is also accompanied by 'Back to Evaluation' screen link. Once clicked, users would be navigated to Interoperability evaluation screen, and lose data from results screen. Since users stand to lose current results data, a confirmation dialog box informing users that they would lose results data can be provided.

### 2. Result summary



The results summary is similar to summary band on Inventory screens. It displays statistical information on:

- Total number of component objects evaluated
- Total number of assessments run
- Total number of compliant component objects
- Total number of non-compliant component objects
- Total number of component objects with unclassified issues

Data pointers for compliant, non-compliant objects, and objects with unclassified issues display status through respective color.

### 3. View By filter



View By filter on results screen behaves the same way as on Evaluation screen. Based on the option users choose, results information is aligned either by UCS Domain, or vCenter.

#### 4. Issues summary

Issues by UCS Domains	
All Domains	4
fpe32-ucs	3
fpe33-ucs	1

Issues summary lists number of issues per domain/vCenter from current result findings. Information is displayed in two-column grid to facilitate quick scanning for users.

#### 5. Issue details grid

Issue Details						<input checked="" type="checkbox"/> Not Supported	<input checked="" type="checkbox"/> Not Recommended	<input checked="" type="checkbox"/> Verified	<input checked="" type="checkbox"/> Under Evaluation
Domain	Type	Result	Components	Version	Description				
fpe32-ucs	<input checked="" type="checkbox"/> Not Supported	<span style="color: red;">✘</span> Fail	Profile 1	3.1(3a)	Lorem ipsum dolor sit amet, consectetur adipiscing elit. Aenean euismod bibendum laoreet. Proin gravida dolor sit amet lacus accumsan et viverra justo commodo. Proin sodales pulvinar sic tempor. Sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Nam fermentum, nulla luctus pharetra vulputate, felis tellus mollis orci, sed rhoncus pronin sapien nunc accuan eget.				
	<input checked="" type="checkbox"/> Not Supported	<span style="color: red;">✘</span> Fail	Profile 3	3.1(3a)					
	<input checked="" type="checkbox"/> Not Supported	<span style="color: red;">✘</span> Fail	Profile 4	3.1(3a)					
	<input checked="" type="checkbox"/> Not Supported	<span style="color: red;">✘</span> Fail	VMAX 250F	3.1(23a)					
fpe32-ucs	<input checked="" type="checkbox"/> Not Recommended	<span style="color: red;">✘</span> Fail	Profile 1	3.1(3a)	Sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Nam fermentum, nulla luctus pharetra vulputate, felis tellus mollis orci, sed rhoncus pronin sapien nunc accuan eget.				
	<input checked="" type="checkbox"/> Not Recommended	<span style="color: red;">✘</span> Fail	Profile 2	3.1(3a)					
	<input checked="" type="checkbox"/> Not Recommended	<span style="color: red;">✘</span> Fail	N3KA	3.1(3a)					
fpe32-ucs	<input checked="" type="checkbox"/> Verified	<span style="color: red;">✘</span> Fail	Profile 4	3.1(3a)	Proin gravida dolor sit amet lacus accumsan et viverra justo commodo. Proin sodales pulvinar sic tempor. Sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Nam fermentum, nulla luctus pharetra vulputate, felis tellus mollis orci, sed rhoncus pronin sapien nunc accuan eget.				
	<input checked="" type="checkbox"/> Verified	<span style="color: red;">✘</span> Fail	VMAX 250F	3.1(3a)					
fpe33-ucs	<input checked="" type="checkbox"/> Under Evaluation	<span style="color: red;">✘</span> Fail	VMAX 250F	3.1(3a)	Nam fermentum, nulla luctus pharetra vulputate, felis tellus mollis orci, sed rhoncus pronin sapien nunc.				

The issue details grid lists issues either by UCS Domain, or vCenter. As indicated in visual above, issues are segregated into Domain, Type (of issue), Result, Components, Version, and Description columns.

A single listed issue captures a type of non-compliance instance across multiple component objects. For e.g. in visual above the first row in grid lists 4 component objects – Profile 1, Profile 3, Profile 4, and VMAX 250F. These component objects are running firmware/software versions that are no longer supported. All 4 components belong to domain fpe32-ucs, and there’s a brief description on implications of non-compliance instance identified. All of this information is classified as a single issue and displayed as a single row in issue details grid.

In case an evaluation results in no issues found, the issue details grid will not be displayed. During such instance only issues summary will be displayed with statistics per UCS Domain/vCenter displaying ‘0’ (zero) value.

#### 6. Issue type legend

Firmware or software versions not supported.

Not Supported
 Not Recommended
 Verified
 Under Evaluation

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Aenean euismod bibendum laoreet. Proin gravida dolor sit

Issue type legend is placed on top (aligned right) of the issue details grid. Each issue type legend is accompanied by an icon. It helps users identify and associate a long list of component objects within the issue details grid, to corresponding issues. Upon click, each issue type legend displays a tooltip with information describing the issue type.

Issues discovered during Interoperability evaluations are classified into 4 following types:

6.1. Not supported

This issue type refers to instances wherein either firmware or software within the component object(s) is not yet/no longer supported by Dell EMC.

6.2. Not recommended

This issue type refers to instances wherein compatibility issues with firmware/software of certain component object(s) have been identified. The corresponding component object will be supported by Dell EMC, but is certainly not recommended.

6.3. Verified

Verified issue type refers to instances wherein component objects are verified for vendor compliance/compatibility, but not supported by Dell EMC.

6.4. Under evaluation

Under evaluation issue type refers to instances wherein firmware/software for component objects are undergoing evaluations, and aren't currently supported by Dell EMC.

7. Action buttons



Action buttons facilitate actions users can take either on the entire evaluation result, or individual issue(s). These buttons are placed under issue details grid (aligned right). As specified in Clarity guidelines, these buttons can have primary, and secondary use instances. Button example with blue (#007DBB) background & white text is a primary action button, and one with clear background & blue (#007DBB) text is secondary action button.

As documented under description, each instance of evaluation results is unique and evaluation results cannot be preserved in any manner (at least for phase 1). Hence, specifically for phase 1, 'Export Result' feature is presented as a primary button, along with Back to Evaluation as a secondary button. For future releases, contextual actions like upgrade planning, and upgrade could be considered as potential action buttons.