

**lenovo** FOR  
THOSE WHO DO.™

xClarity  
Rack Editor & Bulk Import

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April 2015

# Content

- Rack View & Editor
- Bulk Import

The background is a dark gray gradient. In the top-left corner, there are several circular icons: a square with an L-shaped corner, a pencil, and a three-leaf clover. A dark, ink-like splatter is located in the top-center. In the bottom-right corner, there are more circular icons: a speech bubble, a triangle pointing up, a computer monitor, and a square with an L-shaped corner. A diagonal band of a slightly lighter gray color runs from the bottom-left towards the top-right, containing the text.

# Rack View & Editor

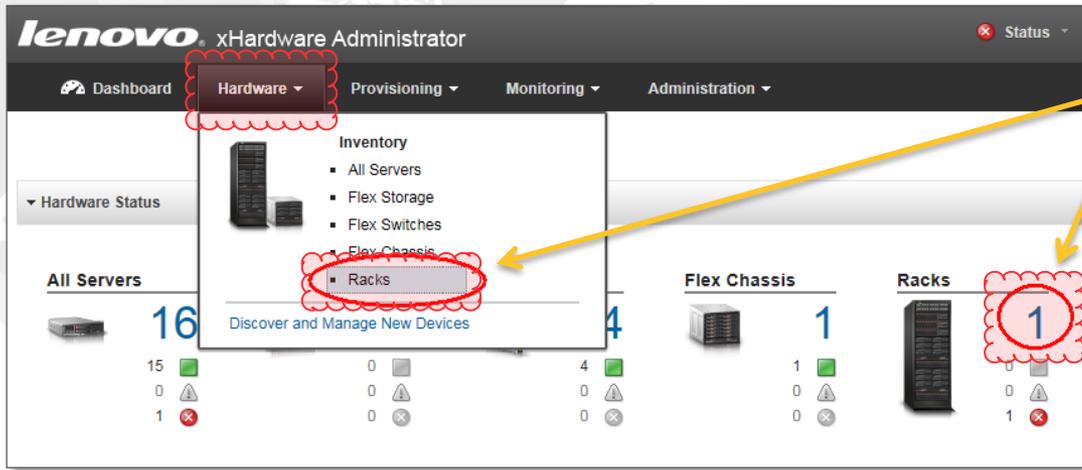
# Rack cabinet feature

- Allow user to create **virtual rack** and **assign devices** to it
- Can **add managed devices** and **view/edit properties**
  - e.g. x3650 M5, Flex chassis
- Can add **“filler”** for **non-managed devices**
  - e.g. generic faceplate, BNT switch, V7000
- **Devices** and **fillers** can be **bulk imported** with **rack assignment** all at once
- Support **racks of 37U** and **42U** in this release

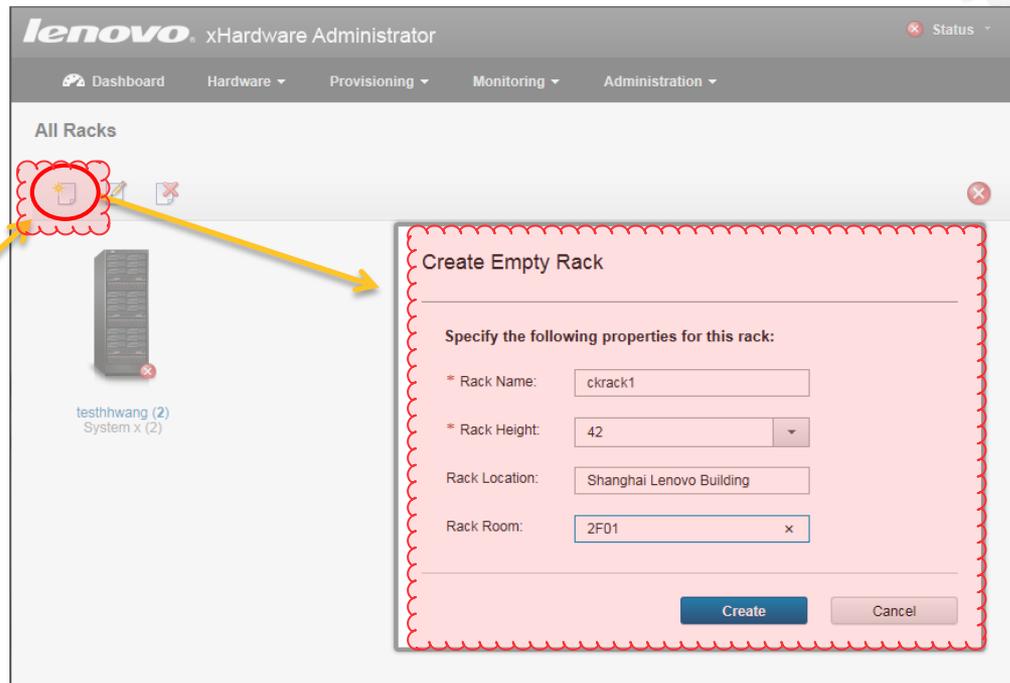
The screenshot displays the Lenovo XClarity Administrator web interface. The top navigation bar includes 'Dashboard', 'Hardware', 'Provisioning', 'Monitoring', and 'Administration'. The main content area is titled 'All Racks > Demo Rack'. On the left, a vertical view of a server rack is shown with various components and status indicators. On the right, a detailed view for a specific device, 'Demo - 00404X5462', is displayed. This view includes an 'Edit Rack' button, 'All Actions' dropdown, and several action buttons: 'Power On', 'Event Log Off', 'Location Off', and 'Fault Off'. Below these buttons is a 'Summary' section with the following details:

- Status:** Warning (indicated by a yellow warning icon)
- Product Name:** IBM Server x3650 M5
- Type-Model:** 5462-35Z
- Serial Number:** 00404X5462
- Power:** On (indicated by a green power icon)
- Firmware:** (No specific details listed)
- Compliance:** Not Supported (indicated by a blue 'X' icon)
- IMM2:** Version 8.00 Dec 20, 2014, 1:00:00 PM
- UEFI:** Version 1.01 Dec 20, 2014, 1:00:00 PM
- MP:** Version 10.0 Jan 25, 2015, 1:00:00 PM

# Entry points and create new rack

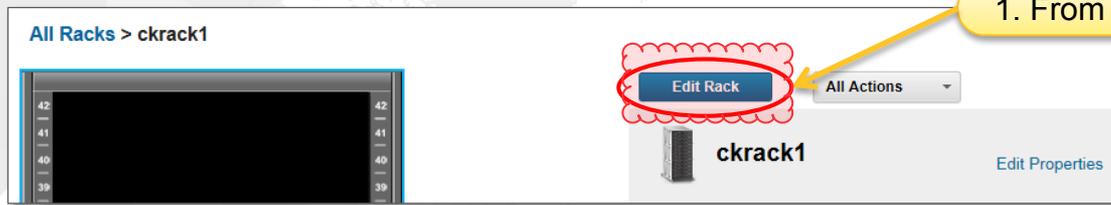


Two entry points to rack view



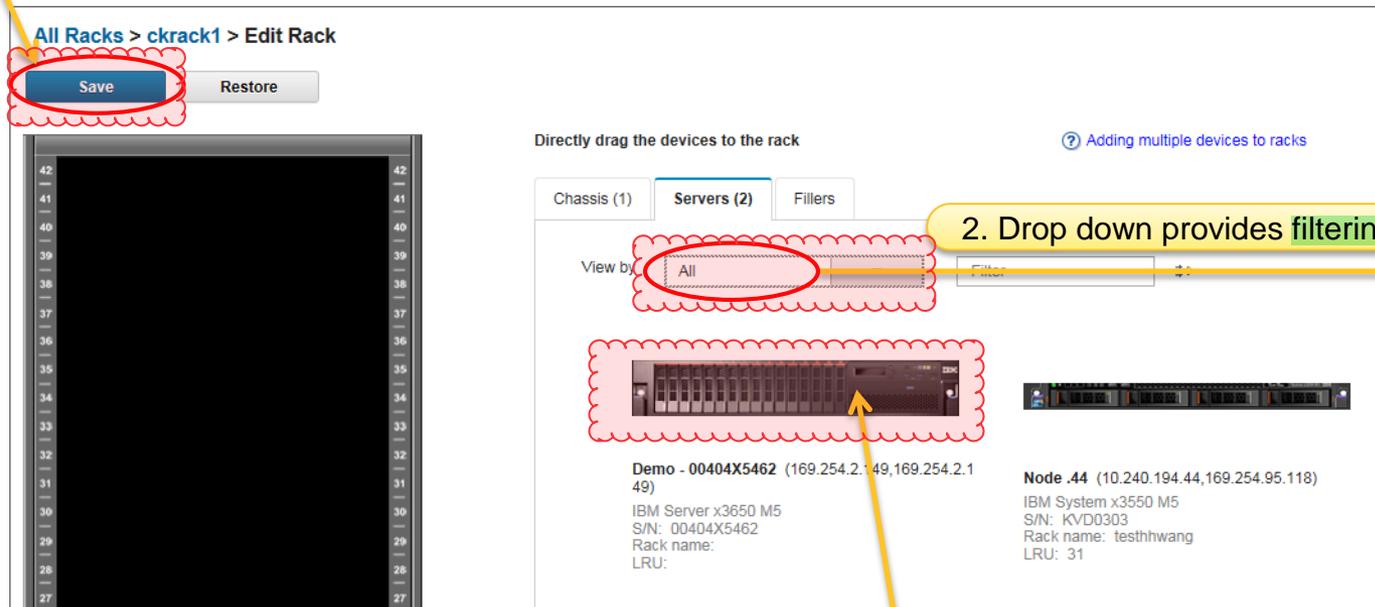
Create new rack then fill in properties

# View mode and Edit mode



1. From View mode to Edit mode...

4. Don't forget to Save editing, location info will be pushed to IMM & CMM upon saving



2. Drop down provides filtering

3. Drag and drop devices to assign to the rack

# Adding a filler to rack

1. Drag and drop filler to rack
2. Save editing
3. Edit filler properties
4. Enter URL (optional)
5. URL displayed

All Racks > ckrack1 > Edit Rack

Save Restore

2

Directly drag the devices to the rack

Chassis (1) Servers (2) **Fillers**

1U Filler

2U Filler

4U Filler

1

All Racks > ckrack1

Edit Rack All Actions

3

Filler\_33\_ckrack1 Edit Properties

Summary

LRU: 33  
Height: 1U  
Type: Filler  
Product Name: Lenovo RackSwitch  
Launch URL:

4

Filler\_33\_ckrack1: Edit Properties

Name: Filler\_33\_ckrack1

Height: 1

LRU: 33

Launch URL: http://10.240.194.100/manage

Save Close

Filler\_33\_ckrack1 Edit Properties

Summary

LRU: 33  
Height: 1U  
Type: Filler  
Product Name: Lenovo RackSwitch  
Launch URL: http://10.240.194.100/manage

5

# Chassis summary

All Racks > ckrack1

**Edit Rack** **All Actions** **Demo - Lenovo demo chassis 00001** **Edit Properties**

**Summary**

MachineType: 8721  
Type: Chassis  
Status:  Normal  
Product Name: Lenovo Flex System Enterprise Chassis  
Host names (IMM): lenflex-00001  
Type-Model: 8721-HC1  
Serial number: 00001X8721  
System Board UUID: F44E92339683385A8D97CD6348A6F45F

Details  
Resolve Untrusted Certificates  
Launch Management Module Interface  
Edit Properties  
Edit Management IP Addresses

Or launch to **CMM web UI** from the drop down menu

Click on **chassis name** to jump to **Chassis View page**

Chassis > Demo - Lenovo demo chassis 00001

**Graphic view** **Table view**

13	Demo - 00763X8737	Demo - 00790X8737	14
11	Demo - 00709X8737	Demo - 00736X8737	12
9	Demo - 00655X8737	Demo - 00682X8737	10
7	Demo - 00601X8737	Demo - 00628X8737	8
5	Demo - 00547X8737	Demo - 00574X8737	6
3	Demo - 00493X8737	Demo - 00520X8737	4
1	Demo - 00439X8737	Demo - 00466X8737	2

**Summary** **Details** **All Actions**

Name: Demo - Lenovo demo chassis 00001

# Server summary

All Racks > ckrack1



**Demo - 00404X5462** Edit Properties

Power On Event Log Off Location Off Fault Off

**Summary**

Status: ■ Normal  
Product Name: IBM Server x3650 M5  
Type-Model: 5462-35Z  
Serial Number: 00404X5462  
Power: ■ On

**Firmware**

Compliance: i Not Supported  
IMM2: Version 8.00 Dec 20, 2014, 1:00:00 PM  
UEFI: Version 1.01 Dec 20, 2014, 1:00:00 PM  
MP: Version 10.0 Jan 25, 2015, 1:00:00 PM

- Details
- Resolve Untrusted Certificates
- Launch Management Module Interface**
- Edit Properties
- Launch Remote Control
- Power Actions

Launch to IMM web UI or Remote Control

Click on server name to jump to inventory details

**Servers > Inventory Details**

Actions ▾

**Demo - 00404X5462**  
■ Normal

**General**

- Summary
- Inventory Details**

Edit Properties

- Firmware
- Management Module Network
- Asset Information
- Processors: (2) Installed, (0) Empty Bays
- Memory: (24) Installed, (0) Empty Bays

# All Racks

**All Racks**

☀️ ✎️ ✖️



testhhwang (1)  
System x (1)

ckrack1 (2)  
System x (1)  
Flex Chassis (1)

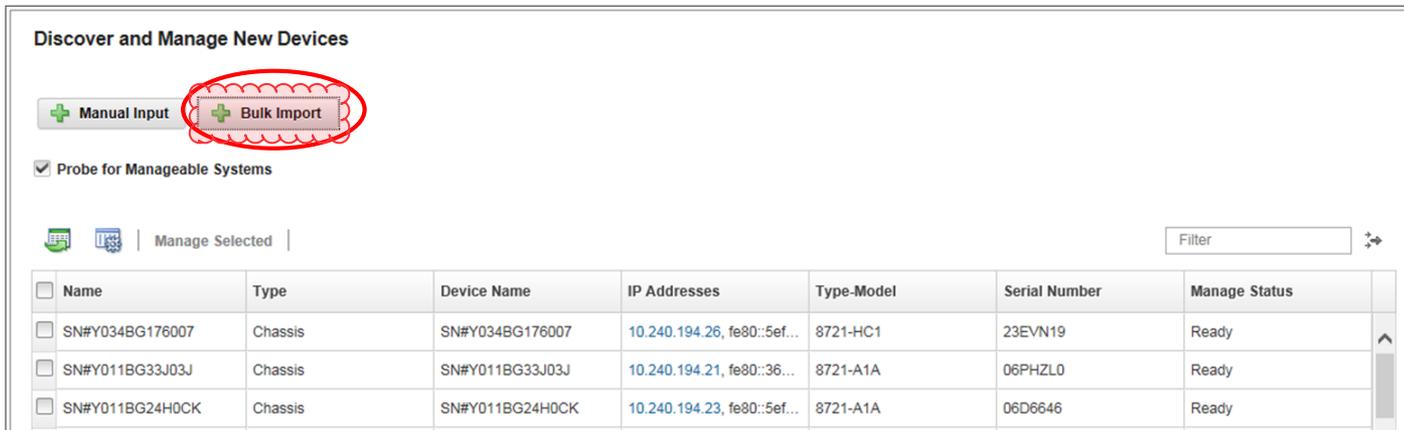
Numbers show total servers and chassis assigned to this rack

# Bulk Import



# Bulk import feature

- Allow batch discovery and management servers and chassis
- Can change some basic system settings upon successful management
  - E.g. assign new IP, hostname, display name, rack assignment
- Provide a global credential for all servers and 1 for all chassis
- Or, each record can override with unique credential if needed
- Template file is provided in Excel format (with help text) and csv (without)
- File must be saved in csv when submitting for import



Discover and Manage New Devices

Probe for Manageable Systems

| Filter

<input type="checkbox"/>	Name	Type	Device Name	IP Addresses	Type-Model	Serial Number	Manage Status
<input type="checkbox"/>	SN#Y034BG176007	Chassis	SN#Y034BG176007	10.240.194.26, fe80::5ef...	8721-HC1	23EVN19	Ready
<input type="checkbox"/>	SN#Y011BG33J03J	Chassis	SN#Y011BG33J03J	10.240.194.21, fe80::36...	8721-A1A	06PHZL0	Ready
<input type="checkbox"/>	SN#Y011BG24H0CK	Chassis	SN#Y011BG24H0CK	10.240.194.23, fe80::5ef...	8721-A1A	06D6646	Ready

# Entry point

The screenshot displays the Lenovo xHardware Administrator interface. The main navigation bar includes Dashboard, Hardware, Provisioning, Monitoring, and Administration. The 'Hardware' section is active, showing an 'Inventory' dropdown menu with options: All Servers, Flex Storage, Flex Switches, Flex Chassis, and Racks. Below this, there are summary cards for 'All Servers' (16), 'Flex Chassis' (1), and 'Racks' (2). A red dashed box highlights the 'Discover and Manage New Devices' button in the 'All Servers' card. An inset window titled 'Discover and Manage New Devices' is shown, featuring a 'Bulk Import' button circled in red. Below the inset, a table lists discovered devices with columns for Name, Type, Device Name, IP Addresses, Type-Model, Serial Number, and Manage Status.

Name	Type	Device Name	IP Addresses	Type-Model	Serial Number	Manage Status
<input type="checkbox"/> SN#Y034BG176007	Chassis	SN#Y034BG176007	10.240.194.26, fe80::5ef...	8721-HC1	23EVN19	Ready
<input type="checkbox"/> SN#Y011BG33J03J	Chassis	SN#Y011BG33J03J	10.240.194.21, fe80::36...	8721-A1A	06PHZL0	Ready
<input type="checkbox"/> SN#Y011BG24H0CK	Chassis	SN#Y011BG24H0CK	10.240.194.23, fe80::5ef...	8721-A1A	06D6646	Ready
<input type="checkbox"/> SN#Y030BG16802L	Chassis	SN#Y030BG16802L	10.240.194.20, fe80::5ef...	8721-HC1	23ENY13	Ready
<input type="checkbox"/> SN#Y034BG176001	Chassis	SN#Y034BG176001	10.240.194.24, fe80::5ef...	8721-HC1	23ENY12	Ready
<input type="checkbox"/> SN#Y011BG32W01E	Chassis	SN#Y011BG32W01E	10.240.194.22, fe80::36...	8721-A1A	06PVMY9	Ready
<input type="checkbox"/> SN#Y011BG32301A	Chassis	SN#Y011BG32301A	10.240.194.25, fe80::36...	8721-HC1	23ENY18	Ready
<input type="checkbox"/> SN#06CHHYN	Rack-Tower Server	SN#06CHHYN	10.240.195.165, 2002:9...	5464-AC1	06CHHYN	Ready
<input type="checkbox"/> SN#23X9488	Rack-Tower Server	SN#23X9488	10.240.197.171, 2002:9...	3837-AC1	23X9488	Ready
<input type="checkbox"/> ZJ10F	Rack-Tower Server	ZJ10F	10.240.195.123, 2002:9...	6241-AC1	23Y1289	Ready
<input type="checkbox"/> SN#06CHHXZ	Rack-Tower Server	SN#06CHHXZ	10.240.199.107, 2002:9...	5464-AC1	06CHHXZ	Ready
<input type="checkbox"/> TCT_Kong	Rack-Tower Server	TCT_Kong	10.240.194.13, 2002:97...	8722-AC1	23D4802	Not Ready

# Provide input

### Bulk Import

**i** The import job will run in the background and might take several minutes to complete. Bulk import is performed as a job. You can go to the [Jobs](#) page to view the status of the job as it progresses.

Import Data File:

Step1: Download the template file in **Excel** or in **CSV** format

Step2: Enter information in the template file then save as **CSV** format

Step3: Upload the **CSV** file for processing.

template-0304.csv

Credentials:

**Server Management Module**

Current credentials (global)  
USERID  
.....

New credentials (global)  
(Note: Used only if the current credentials expired)  
.....  
.....

**Chassis Management Module**

Current credentials (global)  
USERID  
.....

Recovery password (global)  
.....  
.....

New credentials (global)  
(Note: Used only if the current credentials expired)  
.....  
.....

The **Excel** format has inline help for guidance

Save the **"Data"** worksheet into **csv** format

Provide **server** and/or **chassis** global credentials based on what you need to import (no validation here)

Status		Jobs	
With Errors(3)	Running(0)	Completed(8)	
Default Task Label	Ended: No start time specified.		
Default Task Label	Ended: No start time specified.		
Manage job for 7750f7cedf7f11d...	Ended: Mar 2, 2015, 3:36:18 PM		
Showing 3 of 3			
<a href="#">View All Jobs</a>			

# Bulk import: basic scenario

#	Type	Serial Number	Current IP	Current username	Current password	New password	Chassis recovery password	New IPv4	IPv4 subnet mask	IPv4 default gateway	IPv4 DNS1	IPv4 DNS2	New IPv6	IPv6 prefix	IPv6 gateway	IPv6 DNS1	IPv6 DNS2	Domain	Host name	Display name	Rack name	Lowest rack unit	Height	
1	xserver		10.2.1.101																					
2	xserver		10.2.1.102																					
3	xserver		10.2.1.103																					
4	xserver		10.2.1.104																					
5	flexchassis		10.2.1.201																					

This is all you need to provide for a basic discovery & management

### Bulk Import

The import job will run in the background and might take several minutes to complete. Bulk import is performed as a job. You can go to the [Jobs](#) page to view the status of the job as it progresses.

**Import Data File:**  
Step1: Download the template file in [Excel](#) or in [CSV](#) format  
Step2: Enter information in the template file then save as CSV format  
Step3: Upload the CSV file for processing

template-0304.csv

**Credentials:**

<b>Server Management Module</b> Current credentials (global) USERID ..... New credentials (global) (Note: Used only if the current credentials expired) ..... .....	<b>Chassis Management Module</b> Current credentials (global) USERID ..... Recovery password (global) ..... ..... New credentials (global) (Note: Used only if the current credentials expired) ..... .....
--	---

Fill these values if you're discovering servers

Fill these values if you're discovering chassis



THANK YOU GRAZIE MERCI DANKE GRAZIAS 謝謝 СПАСИБО  
GRACIAS OBRIGADO ありがとう DANK TAKK BEDANKT DAKUJEM