

# Deploying PowerEdge MX7000 Using OpenManage Mobile (OMM) App

## Revisions

Date	Description
Jan 2019	Initial release

## Acknowledgements

This paper was produced by the following members of the Dell EMC storage engineering team:

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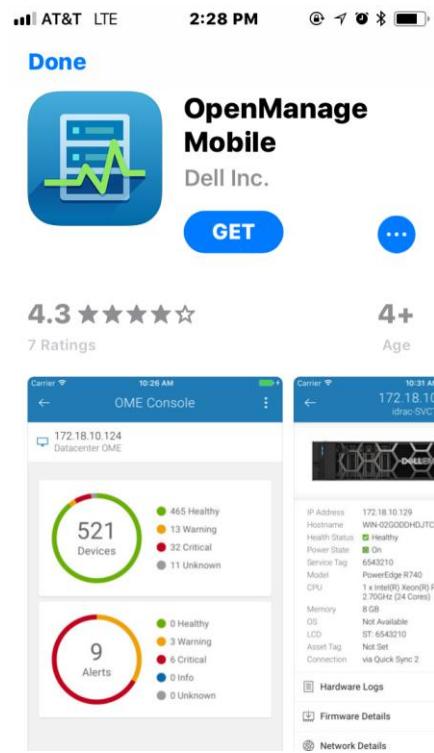
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## Introduction

A valuable companion to the Dell EMC PowerEdge MX7000 enclosure is the mobile application OpenManage Mobile, which a technician can use to deploy and manage the system. OpenManage Mobile can connect directly to enclosures that have been enabled with Quick Sync 2 to help the technician with these use-cases. The app is available as a free download from the App Store on iOS devices and the Google Play Store on Android devices.



Before the enclosure is made available to the users, certain configurations must be performed. The initial configurations is also referred to as initial deployment. The task includes necessary configurations for the enclosure and the components within. The needed configurations are:

- Power on the enclosure
- Change the root password of the chassis
- Change the network configurations
- Change the description of the enclosure location (optional)

This paper guides the user through the mobile app to conveniently achieve the purpose of performing the initial deployment.

## Power On the Enclosure

The power operations in PowerEdge are divided into two processes: one to power the infrastructure modules, and the other to power the component modules.

The infrastructure modules include: the Management Module (MM), iDRAC in a sled, the main fan module to keep the enclosure cool while idling, the power supplies units (PSU).

## Change the root password for the Chassis

The component modules include: the server which hosts the Operating System in a sled, the Input Output Module (IOM), the remaining of the fan modules.

Both the infrastructure and the component modules must be powered on for the enclosure to be fully functional. The following components support power on, power off, power cycle operations: MM, sled, and IOM.

When the power cables are plugged into the chassis' power supply units, only the infrastructure modules are powered on. The component modules of the chassis can then be powered on. Figures below shows where the user can navigate through the app to power on the component modules.

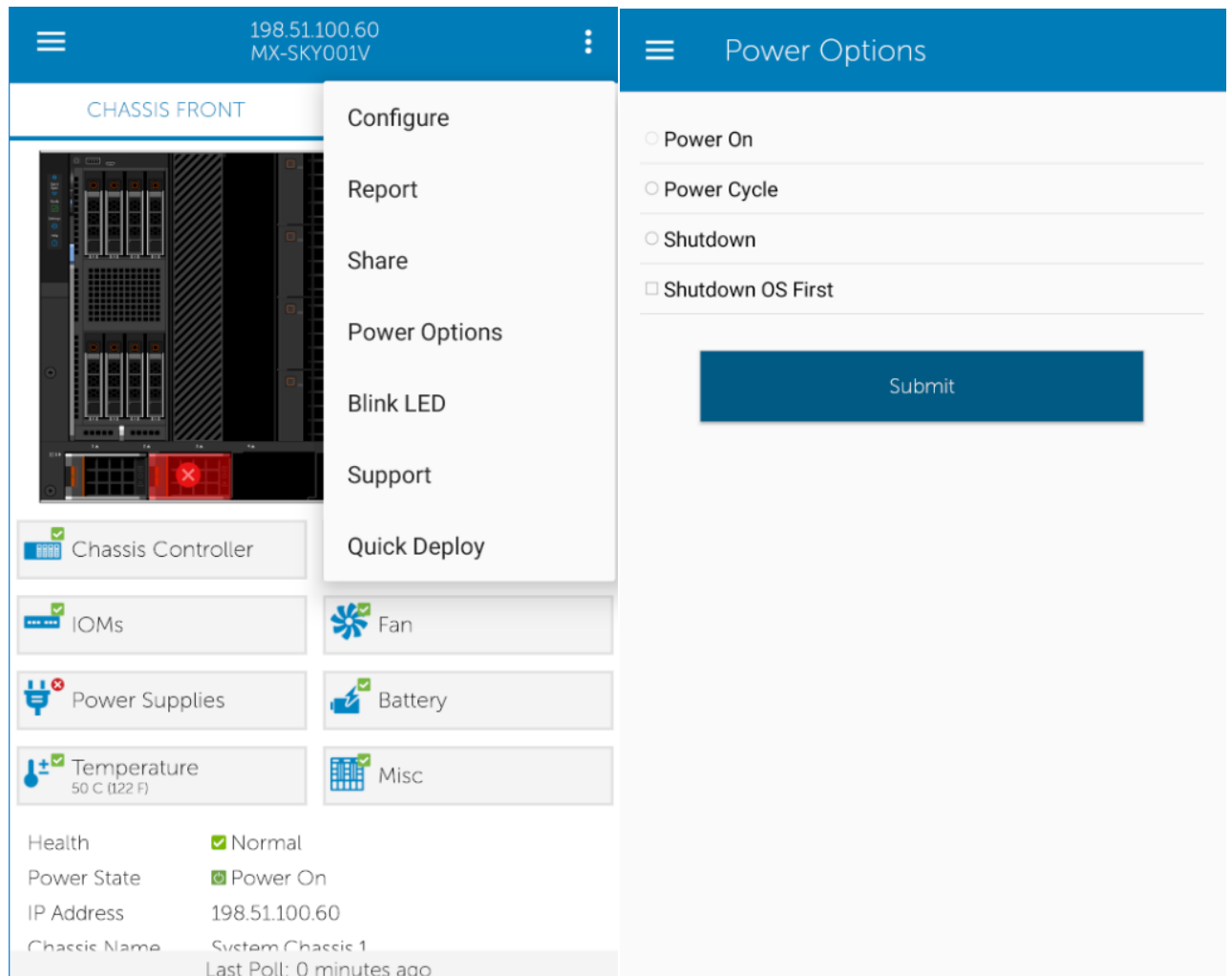


Figure 1 MX7000 details and Power option on MX 7000

## Change the root password for the Chassis

Protecting data on computer systems is critical for managing systems in the 21st century. Among mechanisms to protect data is to create a secured password. The newly purchased enclosure is accompanied with a default root user and password. Customers who had purchased previous generations of Dell servers are accustomed with the legendary root password of “calvin”. Thus the default root password is either “calvin” or a password randomly created by a complex algorithm.

The default password can be found on the Liquid-Crystal Display (LCD) panel, or on a pull-out tag below the LCD (see figure below). If the default root password is “calvin”, the MAC address of the MM module will be displayed on the LCD.



LCD with QR code and MAC address

Because of its visibility, the default password may be compromised through the shipping process. The user must use the default password for initial login, and change the password immediately. The user can log to OMM app in by either entering the user credential manually or by scanning the Quick Response (QR) code on the LCD or on the pull-out tag. NOTE: The QR code on the LCD is only available when the password is the same as the default password.

If the password is “calvin”, the user also needs to enter the MAC address as an extra step to login to the chassis using the OMM app.

The new password must meet the following conditions:

- at least 8 characters
- at least 1 upper case letter
- at least 1 lower case letter
- at least 1 special characters
- at least 1 number

Once the password is decided, the user navigates to the change password panel to change the password (Figure 2)

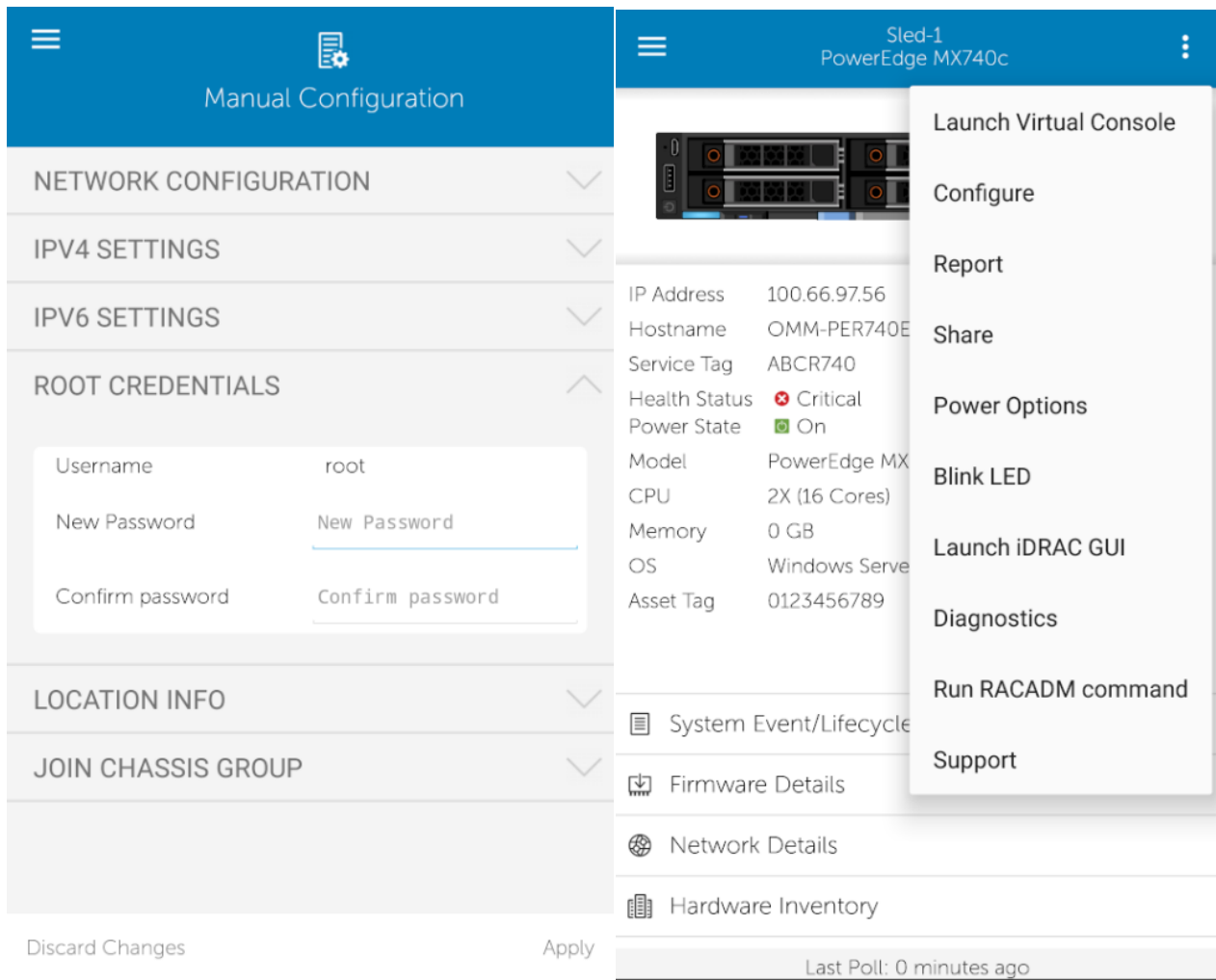


Figure 2 MX7000 Change password and Sled details

## Network Configurations

At Dell EMC factory, the network properties of the chassis are pre-configured with some default values. These values may not be suitable for the user's data center. For the chassis and its components to be connected to the data center's network, the user should make changes to the network configurations. The network configurations are available for the following components: MM, compute sled and network IOM. To configure a component's network, the user should navigate to the configuration page of the component and make change accordingly. The page below demonstrates the networking configuration for the chassis.

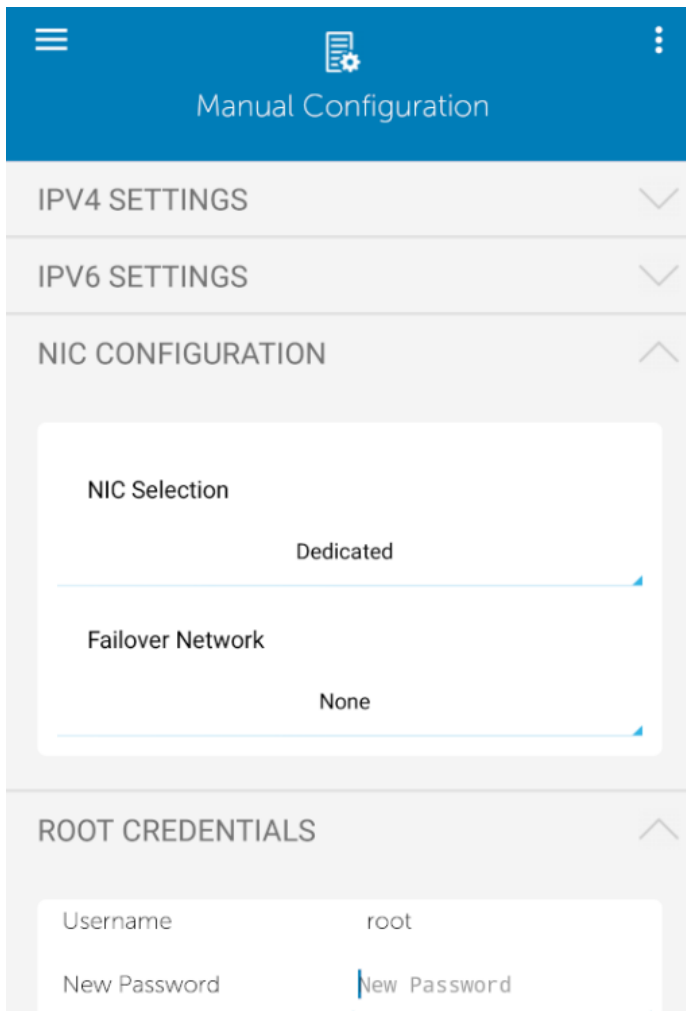


Figure 3 MX7000 Network Configuration

## Enclosure Location

Configuring the enclosure location is optional, but recommended. Using OpenManage Mobile makes configuring the location during deployment very convenient, so that is it much easier to find the enclosure when physical attention is needed. Below are the figures to guide the users to configure the enclosure location.



Manual Configuration

ROOT CREDENTIALS

LOCATION INFO

Data Center:	name
Room:	room
Aisle:	aisle
Rack:	rack
Slot:	4
Location	loc

JOIN CHASSIS GROUP

Discard Changes Apply

## Summary

Performing these initial configurations using OpenManage Mobile is an easy and convenient way to deploy the Dell EMC PowerEdge MX7000 enclosure. After these steps, the hardware components will be active and operational, the management module will be secured with a new password and reachable over the data center's management network, and (optionally) the enclosure's location will be stored for easy access later. This concludes the initial deployment, and the enclosure will now be ready for remote monitoring.