TrueNAS[®] M-Series Out-of-Band Management

v. 24051



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1 Connect the Management Port

Before attempting to configure TrueNAS for out-of-band management, ensure that the out-of-band management port is connected to an appropriate network. Refer to the <u>M-Series User Manual</u> on our Docs Hub for detailed instructions on connecting to the physical ports on the system.

Connect the out-of-band management port before powering on the TrueNAS M-Series Storage Array. You will also need a monitor and keyboard connected to the system.

In most cases, the out-of-band management interface will have been pre-configured by iXsystems. This section contains instructions for configuring it from the BIOS, if needed. The TrueNAS web interface also has IPMI configuration options. See the IPMI articles on the Docs Hub (<u>CORE</u> or <u>SCALE</u>) for more details.

2 Access the BIOS

Press Delete at the splash screen while the TrueNAS Storage Array is booting to access the system BIOS. This opens the menu shown below:

Aptio Setup Utility Main Advanced Event Logs IPMI	– Copyright (C) 2018 American Security Boot Save & Exit	Megatrends, Inc.
System Date System Time	[Wed 05/15/2019] [11:45:25]	Set the Date. Use Tab to switch between Date elements.
Supermicro X11DPi-N/X11DPi-NT BIOS Version Build Date CPLD Version Memory Information	2.1 08/20/2018 02.b1.03	
Memory Information Total Memory Memory Speed	278528 MB 2400 MT/s	<pre> ++: Select Screen 14: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Exit ESC: Exit</pre>
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2.1 IPMI Options

Select the **IPMI** tab and open the **BMC Network Configuration** options.

Aptio Setup Util	lity – Copyright (C) 2018 Am	merican Megatrends, Inc.
Main Advanced Event Logs I	IPMI Security Boot Save 8	≷ Exit
IPMI Firmware Revision	8.44	Configure BMC network
Status Of BMC	Working	parameters
System Event Log BMC Network Configuration		<pre>**: Select Screen fl: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Exit ESC: Exit</pre>
Version 2.19.1268. Copyright (C) 2018 American Megatrends, Inc.		

2.2 DHCP Address Configuration

Set **Update IPMI LAN Configuration** to *Yes* to see all options. Set the **Configuration Address Source** to *DHCP* to assign the out-of-band management IP address dynamically. The menu shows any IP addresses that have been assigned by DHCP.

Aptio Setup Utility – Copyright (C) 2018 American Megatrends, Inc. BMC Network Configuration		
**************************************	Dedicated Dedicated LAN Static Disabled [Yes] [Failover] [Disabled] [DHCP]	Select to configure LAN channel parameters statically or dynamically(by BIDS or BMC). Unspecified option will not modify any BMC network parameters during BIDS phase ++: Select Screen 14: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Exit ESC: Exit
Version 2.19.1268. Co	opyright (C) 2018 American M	Megatrends, Inc.

2.3 Configuring a Static IP Address

Set the Configuration Address Source to Static to assign a static IP address for out-of-band management.

Enter the desired IP address into the IP Address setting. Be sure to completely fill all four octets.



2.4 Enter a Subnet Mask

Enter your network environment value into the **Subnet Mask** of the out-of-band management network subnet.



2.5 Enter the Default Gateway Mask

Finally, use your network environment value to set the **Default Gateway Address** for the network to which the outof-band management port is connected.

Aptio Setup Utility – Copyright (C) 2018 American Megatrends, Inc. BMC Network Configuration		
EHC Ne ************************************	Dedicated Dedicated LAN Static Gateway IP address (10.005.000.001_ [Failover] [Disabled] [Static] 010.005.000.149 255.255.255.000 0.0.0	Enter router IP address ++: Select Screen 11: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Exit ESC: Exit
Version 2.19.1268. C	opyright (C) 2018 American M	egatrends, Inc.

Save the changes, exit the BIOS, and allow the system to boot.

3 Logging in to the IPMI Web Interface

Connect to TrueNAS Storage Array out-of-band managemen by entering the IPMI IP address into a web browser from a system that is either within the same network or which is directly wired to the array. A login prompt appears.

i system	ารĭ	
F	Please Login	
Username		
Password		
	Login	

Log in using the default credentials:

Username: ADMIN

Password: Check the label attached to your system or its Basic Setup Guide for the unique IPMI password.

See the IPMI articles on the Docs Hub (<u>CORE</u> or <u>SCALE</u>) for instructions to change the administrative password.

Go to Remote Control > IKVM/HTML5 and click IKVM/HTML5 to open a new window that shows the TrueNAS console.

System	Host Identification- Server: User: ADMN (Administrator)	🕑 🗲 💋 🕞 English 🗸 🕚
System Serve	Health Configuration Remote Control Virtual Media Maintenance Miscellaneous Help	
Remote Control	iKVM/HTML5	
Console Redirection	This pape can be used to access a server remotely using KVM with HTML5.	
S IKVM/HTML5		
Power Control		
Launch SOL	RVM/HTML5	

4 Additional Resources

The TrueNAS Documentation Hub has complete software configuration and usage instructions. Click **Guide** in the TrueNAS web interface or go directly to:

https://www.truenas.com/docs

Additional hardware guides and articles are in the Documentation Hub's Hardware section:

https://www.truenas.com/docs/hardware

The TrueNAS Forums provide opportunities to interact with other TrueNAS users and discuss their configurations:

https://forums.truenas.com/

5 Contact iXsystems

Having issues? Please contact iX Support to ensure a smooth resolution.

Contact Method	Contact Options
Web	https://support.ixsystems.com
Email	support@iXsystems.com
Telephone	Monday-Friday, 6:00AM to 6:00PM Pacific Standard Time: • US-only toll-free: 1-855-473-7449 option 2 • Local and international: 1-408-943-4100 option 2
Telephone	Telephone After Hours (24x7 Gold Level Support only): • US-only toll-free: 1-855-499-5131 • International: 1-408-878-3140 (International calling rates will apply)