

# NetBackup 5240 Appliance

## Quick Reference Card – Software

### Appliance IPMI Commands

**VERITAS™**

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## NetBackup 5240 Appliance Rear View – IPMI / RMM4 Port Configuration Information



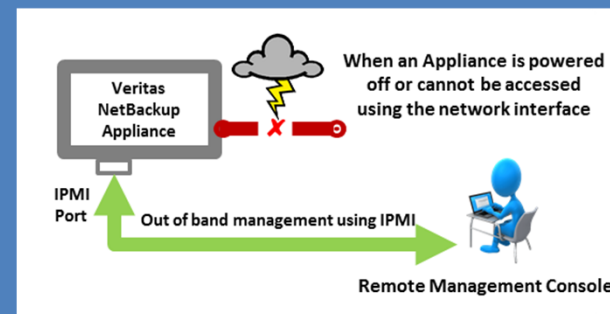
The Intelligent Platform Management Interface (or IPMI) provides management and monitoring capabilities independently of the host system's CPU, firmware, and operating system. You can configure the IPMI sub-system for your Appliances. The IPMI sub-system can be connected by using the remote management port, located on the rear panel of the Appliance.

If a firewall exists between the appliance and the remote devices that manage an appliance (like a laptop computer), open the following ports:

The main use of IPMI is to provide out of band management access that is separate from NetBackup and allows for complete control of the Appliance where physical access isn't available. Note that the IPMI port is built into the 5240 and is no longer a FRU.

Port Number	Port Use
22	SSH
80	HTTP
162	SNMP
443	HTTPS
623	KVM
5120	RMM ISO/CD
5123	RMM Floppy
5124	CD
5127	SSL
5900	KVM CLI
7578	RMM CLI
7582	SSI

### How Does IPMI Work?



### Some of the main uses of IPMI are the following:

- Manage an appliance that is powered off or unresponsive. Using the IPMI, you can power on, power off, or restart the appliance from a remote location.
- Provides out-of-band management and helps manage situations where local physical access to the appliance is not possible or preferred like branch offices and remote data center.
- In case the appliance is not accessible using regular network interfaces, you can access the NetBackup Appliance Shell Menu remotely using IPMI.

**Note:** Only the NetBackup Appliance Shell Menu can be accessed by using the IPMI interface. The NetBackup Appliance Web Console cannot be accessed by using the IPMI interface.

- Reimage the appliance from the IPMI interface by using ISO redirection.
- Monitor hardware health of the appliance from a remote location.
- Avoid messy cabling and hardware like keyboard, monitor, and mouse (KVM) solutions.

### Verify the following configuration prerequisites:

- Ensure that you have a dedicated network infrastructure. The remote management port is 1 Gb/s for NetBackup 5240 appliances.
- The remote management port can auto-negotiate its link speed of up to 1 Gbps for 5240 appliances.

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## Configuring the IPMI Port

To configure IPMI and / or NIC1 (eth0) interfaces from the NetBackup Appliance Shell Menu, perform the following steps:

- Before starting the IPMI configuration, obtain the following information for the appliance for which you want to configure the IPMI:
  - IP address
    - This is the IP address for the remote management port so that the default static IP address can be changed.
  - Subnet mask
  - Gateway IP address
- Log on to the NetBackup Appliance Shell Menu.
- Enter the username and password for the Appliance. By default, the user name is **sysadmin** and the password is **P@ssw0rd** where 0 is the number zero.
- At the **Main\_Menu** prompt, type **Support** to navigate to the **Support** menu.
- From the **Main\_Menu > Support** view, enter the following command to configure the remote management port:  
**IPMI Network Configure <IPAddress> <Netmask> <GatewayIPAddress>**
  - Where *IP address* is the new IP address of the remote management port.
  - The Subnet mask and Gateway enable connectivity between your network computer and the remote management port.
  - The remote management port must be configured as a DHCP or static address.
- At any point in time, you can run the following command to see the IPMI network details:  
**IPMI Network Show**
- Optional: Enter the following command if you want to add a new user to access the IPMI sub-system:  
**IPMI User Add <User Name>**
  - At the **New Password** prompt, enter a password for the user.
    - The default user name is **sysadmin**. The default password is **P@ssw0rd**, where 0 is the number zero.
    - At any point in time, you can run the following command to view the users who can access the IPMI:  
**IPMI User List**
- Type **Return** to return to the **Main\_Menu** prompt.
- Use a Cat5 cable to connect the IPMI port to the network.
- Use an Ethernet cable to connect the NIC1 (eth0) interface to the network.

**Note:** The configuration of eth0/NIC1 is optional. The configuration can also be performed using the NetBackup Appliance Shell Menu and the Initial Configuration Guide.

- Before configuring the NIC1 (eth0) interface, obtain the following information from your network administrator:
  - IP address
    - IP address for the eth1 interface
  - Subnet mask
    - Enable connectivity between your network computer and the eth0 interface.
  - Gateway IP address
    - Enable connectivity between your network computer and the eth0 interface.
- At the **Main\_Menu** prompt, type **Network** to navigate to the **Network** menu
- From the **Main\_Menu > Network** view, enter the following command to configure the IP address for NIC1 (eth0):  
**Configure IPAddress Netmask GatewayIPAddress [InterfaceNames]**
  - where *IPAddress* is the new IP address for eth1 interface
  - Netmask* is the netmask, and *GatewayIPAddress* is the default gateway for the interface
  - The Interface name is eth1
  - By configuring the eth0 interface, the initial configuration can be performed remotely from the NetBackup Appliance Web Console.
- The Appliance is ready for initial configuration.