



SDK Release Notes

Virtual Iron® Version 4.4

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REQUIREMENTS

Virtual Iron's Release 4.3 SDK requires the same version of Virtual Iron Management Server (VIMS). Currently, there is no interoperability between versions.

WHAT'S NEW: 4.3 TO 4.4

Deprecations:

Node.rescanFibreChannelPorts()

Use the following:

```
Node.rescanStorageAreaNetworkPorts()
```

LwmGroup.deleteLvmDiskGroup(LwmGroup)

Use the following:

```
LwmGroup.deleteLvmDiskGroup(LwmGroup, boolean isOnline)
```

and specify whether the DiskGroup should only be deleted in the MgmtServer DB.

LwmLogicalDiskGroup.deleteLogicalDisk(LogicalDisk)

Use the following:

```
LwmLogicalDiskGroup.deleteLogicalDisk(LogicalDisk, boolean isOnline)
```

and specify whether the LogicalDisk should only be deleted in the MgmtServer DB.

License File Changes

New vi.license files don't contain VNIC MAC Addresses. In 4.4, a VNIC MAC may be created and deleted through the following API calls. The MAC address starts with 00:21:F6 and you can specify the last 3 bytes.

```
public ArrayList<VirtualNetworkInterfaceCard> createMediaAccessControl(String octet4, String octet5,
String octet6, int numMacAddresses);
public int deleteMediaAccessControl(ArrayList<String> vnicList);
```

Older licenses are still supported.

WHAT'S NEW: 4.2 TO 4.3

Add NBD CDROM to Running VS

In this release, an NBD CDROM .iso can be added and removed from a running virtual server. Only NBD CDROM storage devices are supported.

```
VirtualServer.changeActiveCdrom(StorageDevice)
```

To remove the NBD CDROM,

```
VirtualServer.changeActiveCdrom(null)
```

Support for Jumbo Frames on iSCSI Network

In this release, the iSCSI network supports Jumbo frames by setting the MTU to 9000. By default, the MTU is 1500. Jumbo frames are not supported on Ethernet or VLAN networks. Valid MTU values are 15000 (default) or 9000 (jumbo). It is recommended that you perform this step as part of the iSCSI network configuration.

```
InternetSmallComputerSystemInterfaceNetwork.setMaximumTransmissionUnit(int)  
int InternetSmallComputerSystemInterfaceNetwork.getMaximumTransmissionUnit()
```

Live Migration of VirtualServer

The following method:

```
VirtualDataCenter.moveVirtualServer(ArrayList<Node>)
```

has been removed and replaced with:

```
VirtualServer.migrate(Node)
```

Statistics Data Collection

With this release, all statistics data is collected from the nodes except for virtual server processor and memory data, which are still collected from the virtual server via VS Tools.

Node DiskThroughput Data

Node disk throughput performance data is now available and includes local disk and Fibre Channel disk statistics. See [DiskThroughputData](#) in the *Virtual Iron Programming Guide*.

iSCSI Statistics Data

The node iSCSI storage statistics are now included with the node NetworkData statistics. The iSCSI statistics are not included in the node DiskThroughputData.

Removed Classes

`com.virtualiron.vce.mgmt.api.physical.Rack`
`com.virtualiron.vce.mgmt.api.physical.Switch`
`com.virtualiron.vce.mgmt.api.event.SwitchEvent`
`com.virtualiron.vce.mgmt.api.event.VirtualDataCenterAddRemoveEvent`
`com.virtualiron.vce.mgmt.api.event.VirtualServerMigrationEvent`

Removed Methods

`boolean com.virtualiron.vce.mgmt.api.physical.Node.isAssigned()`
`boolean com.virtualiron.vce.mgmt.api.physical.Node.isFree()`
`boolean com.virtualiron.vce.mgmt.api.physical.Node.isInWarning()`
`java.util.ArrayList com.virtualiron.vce.mgmt.api.virtual.VirtualDataCenter.getFreeNodes()`

PRODUCT DOCUMENTATION

The following documents are also available online:

- *VI-Center™ Administrator Guide* - Explains how to configure and manage virtual data centers and virtual servers.
- *Virtual Iron Programming Guide* - Contains Java code examples for API developers
- *VI-Center™ Getting Started Guide* - Guides you through the process of getting a virtual server up and running
- *Virtual Iron Tutorial* - Guides you through installation, and storage, boot, and memory configuration options of a virtual server.

CONTACTING VIRTUAL IRON SUPPORT

Use this information to reach Virtual Iron® customer support.

Phone: 1-800-314-9872 (Select option 2)

Mail: support@virtualiron.com

Web: www.virtualiron.com/services/support_login.cfm