

# Determine NFVIS-for-UC Install Volume

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## Introduction

This document describes the steps required to determine which volume NFVIS-for-UC is currently installed on.

## Problem

Need to determine which volume NFVIS-for-UC is currently installed on.

## Solution

Step 1. Run a RedFish API query against the CIMC of the host to identify how many virtual drives exists via **<https://<CIMC IP Address>/redfish/v1/Systems/<CIMC Serial Number>/Storage/MRAID/Volumes>**

Example Output

```
{
  "@odata.id": "/redfish/v1/Systems/SERIALNUMBER/Storage/MRAID/Volumes",
  "@odata.type": "#VolumeCollection.VolumeCollection",
  "@odata.context": "/redfish/v1/$metadata#VolumeCollection.VolumeCollection",
  "Description": "Collection of Volumes for this system",
  "Name": "Volume Collection",
  "Members@odata.count": 4,
  "Members": [
    {
      "@odata.id": "/redfish/v1/Systems/SERIALNUMBER/Storage/MRAID/Volumes/0"
    },
    {
      "@odata.id": "/redfish/v1/Systems/SERIALNUMBER/Storage/MRAID/Volumes/1"
    },
    {
      "@odata.id": "/redfish/v1/Systems/SERIALNUMBER/Storage/MRAID/Volumes/2"
    },
    {
```

```

    "@odata.id": "/redfish/v1/Systems/SERIALNUMBER/Storage/MRAID/Volumes/3"
  }
]
}

```

Step 2. Query the API for each volume, where Number is the number of the volume seen in Step 1 output. **<https://<CIMC IP Address>/redfish/v1/Systems/<CIMC Serial Number>/Storage/MRAID/Volumes/Number>**

Example output from VD-0

... Obmitted Output ...

```

"Id": "0",
"Name": "NA",
"Encrypted": false,
"CapacityBytes": 1494996746240,
"BlockSizeBytes": 512,
"OptimumIOSizeBytes": 131072,
"Identifiers": [
  {
    "DurableNameFormat": "UUID",
    "DurableName": "60027e370b077b003179502a9dc8b57a"
  }
],
"Status": {
  "Health": "OK",
  "State": "Enabled"
},
"Actions": {
  "#Volume.Initialize": {
    "target": "/redfish/v1/Systems/SERIALNUMBER/Storage/MRAID/Volumes/0/Actions/Volume.Initialize",
    "InitializeType@Redfish.AllowableValues": [
      "Fast",
      "Slow"
    ]
  },
  "#Volume.CheckConsistency": {
    "target": "/redfish/v1/Systems/SERIALNUMBER/Storage/MRAID/Volumes/0/Actions/Volume.CheckConsisten
  },
  "Oem": {
    "#Cisco.StartReconstruction": {
      "target": "/redfish/v1/Systems/SERIALNUMBER/Storage/MRAID/Volumes/0/Actions/Oem/Cisco.StartReco
      "@odata.type": "#CiscoUCSExtensions.v1_0_0.StartReconstruction",
      "ReconstructionOp@Redfish.AllowableValues": [
        "add",
        "remove",
        "none"
      ]
    }
  }
},
"RAIDType": "RAID5",
"Oem": {
  "Cisco": {
    "VolumeAccessPolicy": "ReadWrite",
    "RequestedWriteCachePolicy": "WriteBack",
    "ConfiguredWriteCachePolicy": "WriteBack",

```

```

    "VolumeDriveCachePolicy": "NoChange",
    "VolumeReadAheadPolicy": "ReadAhead",
    "VolumeIoPolicy": "DirectIo",
    "VolumeState": "Optimal",
    "AvailableSizeMiBytes": 0,
    "Bootable": true,
    "FullDiskEncryptionCapable": false
  }
}
}

```

Step 3. From the output capture, the DurableName value for each which is the UUID.

```

"Identifiers": [
  {
    "DurableNameFormat": "UUID",
    "DurableName": "60027e370b077b003179502a9dc8b57a" <- This is the UUID you copy
  }
]

```

Step 4. SSH or console connection to the NFVIS-for-UC and execute **support show list-units | include Volume-UUID**.

Step 5. The Volume that NFVIS-for-UC is installed on contains the device along with device partitions.

Example output of Volume that has NFVIS-for-UC OS installed.

```

BE7KH2-NFVIS# support show list-units | include 60027e370b077b003179502a9dc8b57a
dev-disk-by\x2did-scsi\x2d360027e370b077b003179502a9dc8b57a.device          loaded  active
dev-disk-by\x2did-scsi\x2d360027e370b077b003179502a9dc8b57a\x2dpart1.device  loaded  active
dev-disk-by\x2did-scsi\x2d360027e370b077b003179502a9dc8b57a\x2dpart2.device  loaded  active
dev-disk-by\x2did-scsi\x2d360027e370b077b003179502a9dc8b57a\x2dpart3.device  loaded  active
dev-disk-by\x2did-wnn\x2d0x60027e370b077b003179502a9dc8b57a.device          loaded  active
dev-disk-by\x2did-wnn\x2d0x60027e370b077b003179502a9dc8b57a\x2dpart1.device  loaded  active
dev-disk-by\x2did-wnn\x2d0x60027e370b077b003179502a9dc8b57a\x2dpart2.device  loaded  active
dev-disk-by\x2did-wnn\x2d0x60027e370b077b003179502a9dc8b57a\x2dpart3.device  loaded  active

```

Example of output of Volume that is not NFVIS-for-UC OS Install.

```

BE7KH2-NFVIS# support show list-units | include 60027e370b077b0031790987dc596ab8
dev-disk-by\x2did-scsi\x2d360027e370b077b0031790987dc596ab8.device          loaded  active  pl
dev-disk-by\x2did-wnn\x2d0x60027e370b077b0031790987dc596ab8.device          loaded  active  pl

```