Nutanix Documentation Script

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# Nutanix Cluster Information

### Nutanix Cluster Configuration

| ID | Uuid | Name | External IP | Timezone | Serials |  |
| --- | --- | --- | --- | --- | --- | --- |
| 00050f34-da97-b9e8-0000-0000000052f1::21233 | 00050f34-da97-b9e8-0000-0000000052f1 | NTNXKB | 10.68.68.30 | America/Los\_Angeles | 14SM36510084 | 16SM75290005 |

| ID | External Subnet | Internal Subnet | Lockdown Enabled | Remote Login Enabled | Fingerprint Cache % |
| --- | --- | --- | --- | --- | --- |
| 00050f34-da97-b9e8-0000-0000000052f1::21233 | 10.68.68.0/255.255.252.0 | 192.168.5.0/255.255.255.128 | False | True | 100 |

| ID | Shadow Clones Enabled | Name Servers | NTP Servers | Hypervisors | Multicluster | Number of Nodes |
| --- | --- | --- | --- | --- | --- | --- |
| 00050f34-da97-b9e8-0000-0000000052f1::21233 | True | 10.68.68.51 | 10.68.68.51 | kVMware | False | 4 |

# Nutanix Licensing Information

### Nutanix Cluster Licensing

| Cluster Uuid | Standby Mode | Signature | Block Serial List |  |
| --- | --- | --- | --- | --- |
| 00050f34-da97-b9e8-0000-0000000052f1 | True | /jXHa3+y+MqQQNLCShzlktNX/7M= | 16SM75290005 | 14SM36510084 |

### Nutanix Licensing

| Category | Expiry | standbyMode |
| --- | --- | --- |
| Pro | 1507273200000000 | True |

### Nutanix License Allowance

| Key | Value |
| --- | --- |
| DR\_APPLICATION\_CONSISTENT\_SNAPSHOT | Enabled |
| MAX\_NODES | Enabled |
| MAX\_REPLICATION\_FACTOR | Enabled |
| PRISM\_CENTRAL | Enabled |
| VDISK\_PINNING | Enabled |
| PERF\_TIER\_INLINE\_DEDUP | Enabled |
| FILE\_LEVEL\_RESTORE | Enabled |
| SELF\_ENCRYPTING\_DRIVES\_PASSWORD | Enabled |
| ABS\_INTERNAL | Enabled |
| DR\_COMPRESSION | Enabled |
| MIXED\_NODE\_CLUSTER | Enabled |
| PULSE | Enabled |
| ERASURE\_CODE | Enabled |
| REST\_API | Enabled |
| DR\_MULTIPLE\_REMOTE\_SITES | Enabled |
| METRO\_AVAIL | Enabled |
| FILE\_SERVER | Enabled |
| OFFLINE\_DISK\_DEDUP | Enabled |
| SELF\_SERVICE\_PORTAL | Enabled |
| COMMON\_ACCESS\_CARD | Enabled |
| INLINE\_COMPRESSION | Enabled |
| TIME\_STREAM | Enabled |
| CLOUD\_CONNECT | Enabled |
| SNMP | Enabled |
| OFFLINE\_COMPRESSION | Enabled |
| ABS\_EXTERNAL | Enabled |
| AUTOMATIC\_DOWNLOAD | Enabled |
| LOCK\_DOWN | Enabled |

## Nutanix System Information

### Nutanix System Information

| ID | Model | Location | Serial | Positions |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 20 | NX-3060 |  | 14SM36510084 | 1 | 2 | 3 |
| 99266675 | NX-3175-G4 |  | 16SM75290005 | 1 |  |  |

### Remote Support Setting

| Enabled | Details |
| --- | --- |
| True | Enabled |

### SMTP Settings

| SMTP Server | Port | User Name | Secure Mode | Email Address |
| --- | --- | --- | --- | --- |
| smtp.office365.com | 587 | kees.baggerm@nutanix.com | STARTTLS | kbaggerman@nutanix.com |

### SNMP Settings

| SNMP Enabled | Trap | User Name |
| --- | --- | --- |
| True | Nutanix.Prism.DTO.Appliance.Configuration.SnmpUserDTO |  |

### Nutanix IP Configuration

| Name | Model | CVM | Hypervisor IP | IPMI Address | State |
| --- | --- | --- | --- | --- | --- |
| NTNXKB-A | NX-3060 | 10.68.68.31 | 10.68.68.21 | 10.68.68.41 | NORMAL |
| NTNXKB-B | NX-3060 | 10.68.68.32 | 10.68.68.22 | 10.68.68.42 | NORMAL |
| NTNXKB-C | NX-3060 | 10.68.68.33 | 10.68.68.23 | 10.68.68.43 | NORMAL |
| NTNXKB-D | NX-3175-G4 | 10.68.68.34 | 10.68.68.24 | 10.68.68.44 | NORMAL |

### Nutanix Serial Configuration

| Name | Serial | Block Serial | MetaDataStatus |
| --- | --- | --- | --- |
| NTNXKB-A | ZM14BS017257 | 14SM36510084 | kNormalMode |
| NTNXKB-B | ZM14BS047927 | 14SM36510084 | kNormalMode |
| NTNXKB-C | ZM14BS017262 | 14SM36510084 | kNormalMode |
| NTNXKB-D | OM156S023859 | 16SM75290005 | kNormalMode |

### Nutanix CPU Configuration

| Name | CPU Model | Number of CPU Cores | Number of CPU Sockets | CPU in Hz |
| --- | --- | --- | --- | --- |
| NTNXKB-A | Intel(R) Xeon(R) CPU E5-2680 v2 @ 2.80GHz | 20 | 2 | 2799000000 |
| NTNXKB-B | Intel(R) Xeon(R) CPU E5-2680 v2 @ 2.80GHz | 20 | 2 | 2799000000 |
| NTNXKB-C | Intel(R) Xeon(R) CPU E5-2680 v2 @ 2.80GHz | 20 | 2 | 2799000000 |
| NTNXKB-D | Intel(R) Xeon(R) CPU E5-2660 v3 @ 2.60GHz | 20 | 2 | 2599000000 |

### Nutanix Memory Configuration

| Name | Memory In GB |
| --- | --- |
| NTNXKB-A | 127 |
| NTNXKB-B | 127 |
| NTNXKB-C | 127 |
| NTNXKB-D | 255 |

# Nutanix General Info

### Nutanix Cmdlets Info

| Version | Build Version | REST API Version |
| --- | --- | --- |
| 5.0 | 2.0-release5.0-dev-12152016 | v1 |

# Nutanix Storage Pool Information

### Nutanix Storage Pool

| ID | Name | Capacity in GB | Reserved Capacity in GB | ILM Threshold |
| --- | --- | --- | --- | --- |
| 00050f34-da97-b9e8-0000-0000000052f1::2028 | SP01 | 19140 | 4654 | 75 |

### Nutanix Containers

### Nutanix NFS Datastores

| Name | Container | Host ID | Host IP | Total capacity in GB | Free Space in GB |
| --- | --- | --- | --- | --- | --- |
| CTR01 | 00050f34-da97-b9e8-0000-0000000052f1::2031 | 00050f34-da97-b9e8-0000-0000000052f1::4 | 10.68.68.21 | 9566 | 6530 |
| CTR01 | 00050f34-da97-b9e8-0000-0000000052f1::2031 | 00050f34-da97-b9e8-0000-0000000052f1::99266669 | 10.68.68.24 | 9565 | 6129 |
| CTR01 | 00050f34-da97-b9e8-0000-0000000052f1::2031 | 00050f34-da97-b9e8-0000-0000000052f1::6 | 10.68.68.23 | 9566 | 6530 |
| CTR01 | 00050f34-da97-b9e8-0000-0000000052f1::2031 | 00050f34-da97-b9e8-0000-0000000052f1::5 | 10.68.68.22 | 9566 | 6449 |
| HeartBeat | 00050f34-da97-b9e8-0000-0000000052f1::13379951 | 00050f34-da97-b9e8-0000-0000000052f1::4 | 10.68.68.21 | 6530 | 6530 |
| HeartBeat | 00050f34-da97-b9e8-0000-0000000052f1::13379951 | 00050f34-da97-b9e8-0000-0000000052f1::99266669 | 10.68.68.24 | 6357 | 6357 |
| HeartBeat | 00050f34-da97-b9e8-0000-0000000052f1::13379951 | 00050f34-da97-b9e8-0000-0000000052f1::6 | 10.68.68.23 | 2140 | 2140 |
| HeartBeat | 00050f34-da97-b9e8-0000-0000000052f1::13379951 | 00050f34-da97-b9e8-0000-0000000052f1::5 | 10.68.68.22 | 3820 | 3820 |
| NTNX-NFS-DEFAULT | 00050f34-da97-b9e8-0000-0000000052f1::8956032 | 00050f34-da97-b9e8-0000-0000000052f1::4 | 10.68.68.21 | 6534 | 6530 |
| NTNX-NFS-DEFAULT | 00050f34-da97-b9e8-0000-0000000052f1::8956032 | 00050f34-da97-b9e8-0000-0000000052f1::6 | 10.68.68.23 | 6035 | 6035 |

# Nutanix Disk Information

### Nutanix Disk Configuration

| ID | Mount Path | Disk Size in GB | Hostname | CVM IP | Tier Name | Removal |
| --- | --- | --- | --- | --- | --- | --- |
| 00050f34-da97-b9e8-0000-0000000052f1::21 | /home/nutanix/data/stargate-storage/disks/9XG7RXJC | 802 | 10.68.68.23 | 10.68.68.33 | HDD | False |
| 00050f34-da97-b9e8-0000-0000000052f1::22 | /home/nutanix/data/stargate-storage/disks/9XG7RRBT | 842 | 10.68.68.23 | 10.68.68.33 | HDD | False |
| 00050f34-da97-b9e8-0000-0000000052f1::23 | /home/nutanix/data/stargate-storage/disks/9XG7RXSF | 842 | 10.68.68.23 | 10.68.68.33 | HDD | False |
| 00050f34-da97-b9e8-0000-0000000052f1::24 | /home/nutanix/data/stargate-storage/disks/9XG7RXDC | 842 | 10.68.68.23 | 10.68.68.33 | HDD | False |
| 00050f34-da97-b9e8-0000-0000000052f1::25 | /home/nutanix/data/stargate-storage/disks/BTTV444402DU400HGN | 228 | 10.68.68.23 | 10.68.68.33 | SSD | False |
| 00050f34-da97-b9e8-0000-0000000052f1::26 | /home/nutanix/data/stargate-storage/disks/BTTV4445000B400HGN | 228 | 10.68.68.23 | 10.68.68.33 | SSD | False |
| 00050f34-da97-b9e8-0000-0000000052f1::30 | /home/nutanix/data/stargate-storage/disks/9XG7RQKQ | 802 | 10.68.68.21 | 10.68.68.31 | HDD | False |
| 00050f34-da97-b9e8-0000-0000000052f1::31 | /home/nutanix/data/stargate-storage/disks/9XG7RNTA | 842 | 10.68.68.21 | 10.68.68.31 | HDD | False |
| 00050f34-da97-b9e8-0000-0000000052f1::32 | /home/nutanix/data/stargate-storage/disks/9XG7RNYZ | 842 | 10.68.68.21 | 10.68.68.31 | HDD | False |
| 00050f34-da97-b9e8-0000-0000000052f1::33 | /home/nutanix/data/stargate-storage/disks/9XG7RQCS | 842 | 10.68.68.21 | 10.68.68.31 | HDD | False |
| 00050f34-da97-b9e8-0000-0000000052f1::34 | /home/nutanix/data/stargate-storage/disks/BTTV444402M2400HGN | 228 | 10.68.68.21 | 10.68.68.31 | SSD | False |
| 00050f34-da97-b9e8-0000-0000000052f1::35 | /home/nutanix/data/stargate-storage/disks/BTTV444304NL400HGN | 230 | 10.68.68.21 | 10.68.68.31 | SSD | False |
| 00050f34-da97-b9e8-0000-0000000052f1::36 | /home/nutanix/data/stargate-storage/disks/9XG7RQNK | 802 | 10.68.68.22 | 10.68.68.32 | HDD | False |
| 00050f34-da97-b9e8-0000-0000000052f1::37 | /home/nutanix/data/stargate-storage/disks/9XG7RQE0 | 842 | 10.68.68.22 | 10.68.68.32 | HDD | False |
| 00050f34-da97-b9e8-0000-0000000052f1::38 | /home/nutanix/data/stargate-storage/disks/9XG7RQKZ | 842 | 10.68.68.22 | 10.68.68.32 | HDD | False |
| 00050f34-da97-b9e8-0000-0000000052f1::39 | /home/nutanix/data/stargate-storage/disks/9XG7RXCM | 842 | 10.68.68.22 | 10.68.68.32 | HDD | False |
| 00050f34-da97-b9e8-0000-0000000052f1::40 | /home/nutanix/data/stargate-storage/disks/BTTV4443036K400HGN | 228 | 10.68.68.22 | 10.68.68.32 | SSD | False |
| 00050f34-da97-b9e8-0000-0000000052f1::41 | /home/nutanix/data/stargate-storage/disks/BTTV444302QZ400HGN | 228 | 10.68.68.22 | 10.68.68.32 | SSD | False |
| 00050f34-da97-b9e8-0000-0000000052f1::99266676 | /home/nutanix/data/stargate-storage/disks/Z1ZAYQRZ | 3376 | 10.68.68.24 | 10.68.68.34 | HDD | False |
| 00050f34-da97-b9e8-0000-0000000052f1::99266677 | /home/nutanix/data/stargate-storage/disks/Z1ZAYM4Z | 3376 | 10.68.68.24 | 10.68.68.34 | HDD | False |
| 00050f34-da97-b9e8-0000-0000000052f1::99266678 | /home/nutanix/data/stargate-storage/disks/BTHC604205KS800NGN | 524 | 10.68.68.24 | 10.68.68.34 | SSD | False |
| 00050f34-da97-b9e8-0000-0000000052f1::99266679 | /home/nutanix/data/stargate-storage/disks/BTHC604205L4800NGN | 504 | 10.68.68.24 | 10.68.68.34 | SSD | False |

# Nutanix Health

### Nutanix Health Check

| ID | Name | Description | Causes |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 00050f34-da97-b9e8-0000-0000000052f1::111000 | E-mail alerts check | Check email alerts | E-mail alerts disabled |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::110253 | Vstore VM Files Consistency Check | Check that VMs in a Vstore are consistently protected | VM that is protected by Vstore protection domain has some of its files in a different Storage Container from the Vstore protected Storage Container. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::110248 | Metro Vstore Symlinks Check | Check for symlinks in metro/vstore protection domain. | Symlinks present in metro/vstore protection domain. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::110006 | Remote Site configuration | Check remote site configuration on local and remote sites | Remote site is not properly configured. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::110249 | Remote Stargate Version Check | Check for the AOS version running on Metro remote site. | Stargate running on Metro remote site is out of date. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::110007 | Remote Site virtual external IP(VIP) | Check if remote site configuration on remote sites has virtual ip of this cluster | Remote Cluster may not be using the virtual external IP address (VIP) of the local cluster for remote site connectivity. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::110246 | Clone Count Check | Check if there are too many clones restored from protection domain snapshots. | Clones were not removed automatically. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::110247 | Check VHDX Disks | Check if VMs with shared VHDX disks are not part of any protection domain. | VMs with shared VHDX disks are protected, which is an unsupported configuration. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::110005 | Remote Site MTU settings | Check MTU setting for connecting to remote cluster | MTU size mismatch on CVMs between remote sites. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::110002 | Remote Site Connectivity | Check if connectivity to remote sites is normal. | Remote site might be stale (destroyed and re-created). | Cluster services at remote site might not be running. | Network connectivity to remote site might have been lost. | Firewall/VPN on source cluster, remote cluster, or both may prevent connection establishment. |
| 00050f34-da97-b9e8-0000-0000000052f1::110244 | Metro/Vstore Protection Domain File Count Check | Checks if too many files are being protected by any Metro/Vstore protection domain. | Too many files are being protected by a Metro/Vstore protection domain. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::110245 | Clone Age Check | Check for any clones restored from protection domain snapshots that are too old. | Clones were not removed automatically. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::110242 | Cross Hypervisor NGT Installation Check | Some VMs in protection domain replicating to cross-hypervisor remote site do not have NGT installed. | Some VMs in protection domain replicating to cross-hypervisor remote site do not have NGT installed. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::110243 | Metro/Vstore Consistency Group File Count Check | Checks if too many files are being protected by a single consistency group of any Metro/Vstore protection domain. | Too many files are being protected by a single consistency group of a Metro/Vstore protection domain. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::110001 | Remote Site Synchronization | Verify that the time between local and remote cluster is no more than {remote\_site\_sync\_critical\_threshold\_sec} seconds. | Local and remote clusters are not synchronized. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::110008 | AWS Instance Check | Verify that the AWS cloud instances have recommended configuration. | AWS instance does not have at least two 190GB+ disks. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::110250 | Aged Third-party Backup Snapshot Check | Check for aged third-party backup snapshots. | Third-party backup snapshots are present in the cluster longer than the configured threshold. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::110237 | Detected VMs with non local data | Metro Availability VMs are accessing data from local cluster. | Detected VMs polling data from remote location. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::110233 | Snapshot file location check | Check snapshot file location | VM protected by Nutanix Protection Domain has a trailing backslash in the snapshot file location. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::110234 | Latest Snapshot contains all the UVMs | Check that all VMs are protected by snapshot | Snapshot doesn't include all the VMs protected by that protection domain. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::110232 | Unhealthy data replication | Check if Data Replication is healthy. | Cluster is running NOS 4.1.1 or higher with snapshots from older version or the cluster is running with snapshots with NOS version less than 4.1.1 |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::1005 | HDD S.M.A.R.T Health Status | Verify the current S.M.A.R.T health status of disks. This check is performed only on HDDs, and not on SSDs. | Drive may have errors. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::1004 | Disk Metadata Usage | Verify that current inode usage is below {inode\_usage\_threshold\_pct} %. Inodes are data structures which represents a filesystem object, such as a directory or file. Each disk has a fixed number of allocated inodes. | Metadata size is growing. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::1003 | HDD Disk Usage | Verify whether the current amount of disk usage is below {disk\_usage\_threshold\_pct} %. | Physical disk is running out of space because the node has too much data. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::110241 | Files in a streched VMs should be in the same Storage Container | Check that VMs are consistently stretched | VM that is protected by Metro protection domain has some of its files in a different Storage Container from the Metro protected Storage Container. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::1009 | Disk Configuration | Check that if some disk is not part of any storage pool | The cluster was not configured correctly during installation or drive replacement was not completed correctly. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130077 | Snapshot Symlink Check | Protection domain snapshot has symlinks. | The protection domain might have symlinks that have been skipped in the snapshot. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130078 | EntityRestoreAbort | Entity restore aborted. | Unable to restore VMs due internal error. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130075 | RemoteSiteHighLatency | Latency to a stretch remote site is high | Various |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::111038 | Zookeeper connections check | Check that Zookeeper is correctly configured for a cluster |  |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::111039 | BMC BIOS version check | Check BMC/Bios version of all nodes |  |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130076 | Datastore Remount Status | Unable to remount datastore | Various |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::111037 | Hypervisor version check | Check whether the same hypervisor version running on all cluster nodes. | Hypervisor version is not same across all hosts. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130079 | Remote Site Snapshot Replication Status | Skipped replication of the snapshot. | Snapshot replication was skipped because the remote is not fully upgraded. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::111034 | File permissions check | Check /tmp permissions | Proper permissions are not set on /tmp directory in the CVM. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::111035 | Advanced Encryption Standard (AES) enabled | Checks AES enabled on CPUs. | Intel's Advanced Encryption Standard (AES) is disabled on the node. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::1022 | Flash Mode Configuration | Check the total configured size of flash-mode-enabled vDisks with respect to the threshold limit. | Flash-mode-enabled vDisks are configured to use more flash tier space than the allotted limit. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::1021 | Nutanix System Partitions Usage High | Check that current amount of disk usage is less than {home\_nutanix\_usage\_threshold\_pct}. | Disk usage exceeds threshold {home\_nutanix\_usage\_threshold\_pct}. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::1019 | Boot RAID Health | Check the health of boot RAID volumes. | RAID volume can be in an abnormal state due to power loss or temporary or permanent drive failure. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::1017 | Storage Container Space Usage | Check high space usage on Storage Containers | Excessive space usage in the Storage Container. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::1016 | StoragePool Space Usage | Check high space usage on storagepools | Excessive space usage in the storage pool. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::1015 | Host disk usage high | Checks that host disk usage is not high. | Too much data is stored on the node. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130081 | VSS VM Reachable | VM not reachable. | The communication link to the VMs Nutanix Guest Agent service seems to be down |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::111044 | Check that cluster virtual IP address is part of cluster external subnet | Check that cluster virtual IP address is part of cluster external subnet | Cluster virtual IP address is in a different subnet from the cluster external subnet |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::111041 | M60 GPU check | Check number of M60 GPUs on a node |  |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130084 | Protected Volume Groups Not Found | Protected Volume Groups Not Found | Protected volume group(s) cannot be found and may have been deleted. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130085 | VSS Scripts Not Installed | VSS software or pre\_freeze/post\_thaw Scripts Not Installed | VSS is enabled but VSS software or pre\_freeze/post\_thaw scripts are not installed on the VM(s). |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::111040 | M10 GPU check | Check number of M10 GPUs on a node |  |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130082 | Remote Site NGT Support | Remote site does not support NGT. | Remote cluster is not upgraded |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130083 | Protected VMs Not Found | Protected Vms Not Found | Protected VM(s) cannot be found and may have been deleted. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130088 | Failed To Snapshot Entities | Failed to snapshot entities | Conflicting hypervisor tasks might be running on the entities. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::111029 | Internal port configuration | Check if internal config port is disabled | Port 7777 is enabled on CVM. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130089 | Disk Diagnostic Status | Drive diagnostic has failed. | The drive has failed. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::111027 | Virtual IP check | Check if virtual ip is configured and reachable |  |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130086 | VStore Snapshot Status | VStore Snapshot Status | Various |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130087 | Node Degradation Status | Services on node possibly not making progress. | Various |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::111028 | Remote syslog server check | Check remote syslog server connectivity | Remote syslog server is not reachable. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::111025 | Pulse configuration | Check for auto support configuration | Pulse is not configured. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::111026 | Snapshots space utilization status | Check that space occupied by snapshots is below the threshold | Snapshots disk space utilization exceeds the threshold. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::111023 | HTTP proxy check | Check if HTTP proxy is working | No proxy configured. | Unable to connect to proxy on the port. |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::111024 | LDAP configuration | Check LDAP configuration. | LDAP not correctly configured in the cluster. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::2001 | I/O Latency | Verify whether current I/O latency of the VM is below {avg\_io\_latency\_threshold\_ms} ms. | Applications are running high I/O workload on this node. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::1032 | vDisk Count Check | Checks for high vDisk count in the cluster | Aggressive replication/snapshot schedules may generate large number of vDisks on the remote site |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::1031 | SATADOM Wearout Status | Checks the wearout of SATA DOM via SMART data. | SATA DOM has been in use for a long time. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::1030 | SATADOM Connection Status | Checks that host SATA DOM is reachable. | SATA DOM has lost power connection. | SATA DOM is not installed. |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::1029 | Storage Pool Flash Mode Configuration | Flash Mode is not supported when multiple storage pools are in use. | Multiple Storage Pools and Flash Mode are in use together. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::1028 | Erasure-Code-Delay Configuration | Validate the EC param value for erasure-code-delay | Invalid setting for erasure-code-delay |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::1027 | Erasure Code Configuration | Checks erasure coding is enabled on cluster with version < 4.5.2 | Erasure coding was enabled on the cluster |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::1026 | Erasure Code Garbage | Checks if erasure coding garbage is below a safe threshold. | Suboptimal performance of erasure coding is generating garbage that is consuming additional storage space. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::1025 | SATADOM Status | Checks that host SATA DOM is functioning. | SATA DOM has lost power connection. | SATA DOM has failed. |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::1024 | Flash Mode Enabled VM Power Status | Check if any flash-mode-enabled VMs are Powered Off. | One or more flash-mode-enabled VMs are Powered Off. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::1023 | Flash Mode Usage | Check the amount of usage by flash-mode-enabled vDisks with respect to the threshold limit. | Flash-mode-enabled vDisks are using more flash tier space than the allotted limit. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::111032 | Cluster version check | Check that cluster runs GA version of NOS | Non GA version of NOS/AOS detected. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130091 | Agent VM Restoration | Failure to Restore Agent VM | Not enough memory/CPU resources on this node. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130092 | Remote Site Operation Mode ReadOnly | Operation Mode of Remote Site changed to kReadOnly. | Probable SSD Failure on remote site in case of single node backup cluster. | Cloud virtual appliance ran out of memory in case of cloud connect. | Data stored on cloud appliance exceeded 20TB. |  |
| 00050f34-da97-b9e8-0000-0000000052f1::111033 | Hardware configuration validation | Check that /etc/nutanix/factory\_config.json is valid | factory\_config.json does not contain valid configuration. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::111030 | Deduplication efficiency check | Check that value of content\_cache\_dedup\_ref\_count is low | Deduplication is not working efficiently. Usually occurs when deduplication is enabled after Storage Container has been in use. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::111031 | Storage Pool SSD tier usage | Check that storage pool SSD tier usage under ILM threshold | Storage Pool SSD utilization consistely above 75%. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130090 | Related Entity Protection Status | Protection status of a related entity. | Related entity is not protected in the same protection domain. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130095 | Failed To Recover NGT Information | Failed to enable Nutanix Guest Tools during VMs recovery for protection domain. | Nutanix Guest Tools service might be down. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130096 | Failed To Recover NGT Information for VM | Failed to reconfigure Nutanix Guest Tools for a VM in protection domain. | Virtual IP address of the cluster might not have been configured. | Error in generating certificate for VM. | Guest VM information could not be retrieved. |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130093 | CPS Deployment Evaluation Mode | Checks if the CPS deployment is running in evaluation mode. | CPS is running in evaluation mode. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::111018 | Storage Heavy Node check | Check storage heavy node has KVM hypervisor with only CVM | Storage node (6035c) is not being used as per Nutanix Recommendation. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130099 | External iSCSI Attachments Not Snapshotted | External iSCSI Attachments Not Snapshotted. | VMs have duplicate IQNs. | VMs have configured iSCSI target IP addresses that do not belong to the local Nutanix cluster. | IQN could not be resolved to VM ID. |  |
| 00050f34-da97-b9e8-0000-0000000052f1::111019 | Host passwordless SSH | Check passwordless SSH into local hypervisor |  |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130097 | Failed To Mount NGT ISO On Recovery of VM | Failed to mount ISO image as part of Nutanix Guest Tools reconfiguration for a VM in protection domain | Virtual IP address of the cluster might not have been configured. | Controller VM Nutanix Guest Tools version is lower than guest VM Nutanix Guest Tools version. | Guest VM information could not be retrieved. | NGT ISO could not be mounted. |
| 00050f34-da97-b9e8-0000-0000000052f1::111015 | GPU drivers installed | Check if drivers are installed | GPU driver may be corrupt or missing or not functioning properly. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::111012 | Field Advisory 30 check | Checks whether the field advisory 30 is applicable |  |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::1035 | SATADOM-SL 3IE3 Wearout Status | Checks the wearout of SATADOM-SL 3IE3 via SMART data. | SATADOM-SL 3IE3 Device Life too short (<5). |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::1034 | SATA DOM Guest VM Check | Checks that no guest VM is installed on SATA DOM. | A guest VM is installed on SATA DOM. | A VM is incorrectly configured. |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::111021 | Degraded Node check | Check if any node is in degraded state |  |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::111022 | Name server configuration | Check for DNS Server configuration | Name server is not configured on CVMs and hypervisor hosts or is not able to resolve queries. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::111020 | Non default gflags check | Check for non-default gflag values | One or more gflags are set to non-default values. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::111008 | Curator scan time elapsed check | Time since last Curator Scan is within threshold | Background cluster maintenance tasks are not occurring |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::111003 | Cassandra tokens consistent | Check that all Cassandra nodes are consistent |  |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::111004 | Cassandra metadata balanced across CVMs | Check that Cassandra metadata balanced across CVMs | Metadata is not distributed evenly among nodes in the cluster. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::111001 | E-mail alerts contacts configuration | Check email contacts | E-mail alerts do not have contacts configured. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::111002 | Cassandra nodes up | Check that all Cassandra nodes are running |  |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::1054 | All-flash Node Intermixed Check | Checks that all-flash nodes do not coexist with non-all-flash nodes in a cluster | All-flash nodes and non-all-flash nodes are put into the same cluster |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::111009 | Zookeeper active on all servers | Checks if number of active zookeepers is equal to the total number of zookeeper servers | Zookeeper service is not running on all servers. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::111010 | Zookeeper nodes distributed in multi-block cluster | Checks if zookeeper nodes are distributed in a multi block cluster | Zookeeper service has nodes running in the same block. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::111011 | Zookeeper Alias Check | Check Zookeeper alias information configuration | ZK Aliases in /etc/hosts do not match with zeus config. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::160007 | FSVM Time Drift Status | The time drift between the file server VMs is beyond the acceptable range | NTP is not configured correctly or the NTP service is not functioning. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::160008 | File Server Network Reachable | Checks that File server is reachable | File server Network is unreachable |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::160009 | File Server Reachable | Checks that File server is down | All File server VMs are powered off |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::160003 | File Server Storage Status | file server storage is not available. | file server storage is unavailable due to network connectivity issues between file server VM and Controller VM. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::160004 | File Server Scale-out Status | File Server scale-out failed. | See details in the alert message. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::6511 | Load Level | Verify system load average for the past 5 minutes is below {cvm\_load\_average\_threshold}. |  | I/O workload on the cluster is high. |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::160005 | File Server Join Domain Status | File Server could not join the AD Domain | See details in the alert message. Error could be due to one of the following reasons:AD is not reachable, or Domain credentials are invalid, or Entity with the specified File Server name already exists in the domain |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::160006 | File Server Node Join Domain Status | The node could not join the domain. | AD is not reachable or Domain administrator credentials are invalid or a file server with the same name already exists in AD. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::160000 | File Server Space Usage | File Server Space Usage High | File Server Storage utilization is high. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::160001 | File Server Space Usage Critical | File Server Space Usage Critical | File Server storage utilization has reached a critical value. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::160002 | File Server Unavailable Check | File server is unreachable. | File server VMs are not reachable. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::1060 | Toshiba PM4 Status | Check the status of Toshiba PM4 drive. | Toshiba PM4 drive revision is unsupported or Toshiba PM4 drive has been in use for a long time and close to the maximum write endurance. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::1059 | NVMe Status Check | Check that host NVMe drive is functioning properly. | NVMe Drive is damaged or worn out. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::1058 | Cluster In Read-Only Mode | Single-node cluster is in read-only mode. | One of the metadata SSDs has failed. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::1057 | Toshiba PM3 Status | Checks the status of Toshiba PM3 drive via SMART data. | Toshiba PM3 drive revision is wrong or Toshiba PM3 drive has been in use for a long time and close to the maximum write endurance. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::1056 | Samsung PM1633 Wearout Status | Checks the status of Samsung PM1633 drive via SMART data. | Samsung PM1633 drive revision is wrong or Samsung PM1633 drive has been in use for a long time and close to the maximum write endurance. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::101040 | ESXi RAM disk full check | Check for ramdisk full condition | pynfs server is using legacy setting to write log file on root partition of ESXi ramdisk. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::101041 | ESXi RAM disk root usage | Check that RAM disk root directory usage below 85% | ESXi ramdisk root usage exceeds 85%. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::101044 | Duplicate disk id check | Check for duplicate disk ids | Multiple disks with same disk id were found. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::101045 | CVM startup dependency check | Checks if available unreserved space on any Storage Container is below 10 percent of the maximum capacity. | Unreserved available space is below threshold. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::6515 | SSD I/O Latency | Verify whether the average time for I/O requests to the SSDs is less than {SSD\_latency\_threshold\_ms} ms. | I/O load on the cluster is high. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::6514 | HDD I/O Latency | Verify whether the average time for I/O requests to the HDDs managed by the Controller VM is below {HDD\_latency\_threshold\_ms} ms. | I/O workload on the cluster is high. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::160029 | File Server Entities Not Protected | Checks all File server entities are protected | Some of the File Server entities are not protected |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::160025 | File Server Iscsi Discovery Failure | Failed to discover iSCSI targets on the CVM during the discovery process. | The 'external\_data\_services\_ip' or the CVM IP addresses are not reachable from the file server VM. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::160026 | File Server Upgrade Failed | File Server Upgrade Failed. | Check alert message for details |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::160027 | File Server Invalid Snapshot Warning | Checks that File server is in healthy state to take snapshot | File Server NVMs might deleted |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::160028 | Incompatible File Server Activation | File Server version incompatible with AOS | Version of activated file server is incompatible with AOS |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::160021 | File Server Activation Failed | File Server Activation Failed | Check alert message for details |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::3024 | Memory Pressure | Verify balloon driver reclaimed memory is within {vm\_balloon\_reclaim\_threshold\_mb} MB of the target. | The node has insufficient memory to meet the needs of all VMs. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::3023 | CVM Memory Usage | Check that CVM memory usage is not high. | The RAM usage on the Controller VM has been high. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::160022 | File Server PD Active On Multiple Sites | Checks that File Server PD Active On Multiple Sites | File Server PD activates on multiple sites |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::160023 | Failed To Create VM-to-VM Anti Affinity Rule | Failed to create VM-to-VM anti affinity rule | Various. Check alert message for details. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::160024 | File Server Home Share Creation Failed | Failed to create home share during file server creation. | Check alert message for details |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::3021 | Memory Usage | Verify whether current memory usage for the VM is below {vm\_avg\_mem\_util\_threshold\_pct} %. | The VM workload has high demand for memory. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::3020 | Memory Swap Rate | Verify whether current swap rate for the VM is not above {vm\_swap\_threshold\_mbps} MB/sec. | The node has insufficient memory to meet needs of all VMs. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::21009 | Cassandra service status check | Check that all Cassandra nodes are online and and functioning normally | Cassandra service is not running in one or more hosts. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::160020 | File Server DNS Updates Pending | DNS updates are pending after the join or leave domain operation. | Failed to add or remove DNS entries |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::6405 | Receive Packet Loss | Verify whether the host receive packets drop rate is not above {host\_rcv\_drop\_threshold} / sec. | On a host with bursty network traffic, packet loss may occur. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::6404 | Transmit Packet Loss | Verify whether the host transmit packets drop rate is not above {host\_tx\_drop\_threshold} / sec. | On a host with bursty network traffic, packet loss may occur. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::6409 | CPU Utilization | Verify whether current CPU utilization at the host level is below {host\_avg\_cpu\_util\_threshold\_pct}%. | The VMs on the host have high demand for CPU resources. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::160018 | File Server CVM IP update failed | File server cvm ip update failed. | Failed to contact file server . |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::160019 | File Server Site Not Found | Unable to determine an appropriate site in Active Directory | File Server client network is not part of any site in Active Directory. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::21013 | Cassandra Keyspace/Column family check | Check that there are no undefined Keyspace or CF in Cassandra |  |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::160015 | File Server Performance Optimization Recommended | File server has a recommendation to optimize performance by using scale-up, scale-out or rebalance. | File server has one or more nodes under extensive load. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::21011 | Cassandra memory usage | Check if Cassandra service is running out of memory | Cassandra crossed memory threshold more than 5 times in the last 3 minutes. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::111045 | Mellanox NIC Driver version check | Check if Mellanox port NIC driver version is above min recommended version |  |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::160016 | File Server Quota allocation failed for user | Failed to assign the specified quota to the user | The user has used more space on the File Server than the specified quota value. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::160017 | Share Utilization Reached Configured Limit | Share is no longer writeable. | Share utilization reached its configured limit |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::21010 | Cassandra service restarts check | Check if Cassandra service is continuously crashing | Cassandra service restaring frequently in the last 30 minutes. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::160010 | File Server VM Status | Checks that multiple File server VMs are running on a single node | File server VMs are running on a single node |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::160011 | File Server Status | Checks that all File server services are running | One or more services are not running on File server VMs. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::3034 | Cluster Services Status | Check if services have restarted recently across the cluster. | This alert indicates that one or more services in the cluster were restarted. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::3033 | Alert Manager Service Check | Check if Alert Manager service is available. | This check usually indicates that the Alert Manager service is not healthy, but there could be other causes. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::160012 | File Server Storage Cleanup Failure | Failed to clean up storage for the File Server | Acropolis service may be down on the cluster |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::160013 | File Server AD Connectivity Failure | File server cannot connect with AD server with configured information | The machine account credentials may have been changed, or there is a network connectivity issue for the AD server. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::3032 | Cluster Services Status Check | Check that no services are down in the cluster. | One or more services in the cluster are down. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::3031 | Upgrade Bundle Available | Bundle available for upgrade | Newer bundle available for upgrade |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::3030 | Datastore VM Count Check | Checks for high VM count on datastores | High number of VMs on at least one datastore |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::3029 | CVM Services Status | Check if services have restarted recently in the Controller VM. | This alert indicates that one or more services have restarted in a Controller VM, with in a short period of time. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::3028 | CVM Rebooted Check | Check that Cvm is not rebooted recently | Cvm is rebooted. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::3027 | Kernel Memory Usage | Checks whether CVM's kernel memory usage is higher than expected | Various |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::3025 | Time Drift | Verify whether the time drift between Controller VMs is not above {time\_drift\_threshold\_sec} seconds. | Nutanix internal time configuration is out of sync. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::6413 | Memory Swap Rate | Verify whether swap rate for the host is not above {host\_swap\_threshold\_mbps} MB/sec. | VM workload on the node has high demand for memory. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::20016 | Automatic Dedup disabled check | Check that Dedup is not automatically disabled. | Deduplication on the Storage Container is disabled by Stargate service. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::20015 | Oplog episodes check | Check that oplog episode count is within threshold | Oplog episode count is high for one or more vDisks. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::20014 | Snapshot chain height check | Check that snapshot chain height is less than 25 | Snapshot chain height exceeds threshold of 25. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::20013 | Garbage egroups check | Check that the number of orphaned egroups are under recommended threshold | Number of orphaned groups is over the recommended threshold. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::3041 | CPU Utilization | Verify whether current CPU utilization of the Controller VM is below {cvm\_peak\_cpu\_util\_threshold\_pct} %. | I/O workload on the cluster is high. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::3040 | CPU Utilization | Verify whether current CPU utilization at the VM level is below {vm\_peak\_cpu\_util\_threshold\_pct}%. | The VM workload has high demand for CPU resources. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::20018 | Linked clones on Dedup check | Verifies if there are shared disks on a Storage Container that has deduplication enabled that may be linked clones. | There are shared disks on a Storage Container that has deduplication enabled that may be linked clones. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::20017 | Compression disabled check | Check whether compressions is automatically disabled. | Metadata usage has exceeded the 60GB or 20 percent default threshold. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::6202 | Subnet Configuration | Verify whether all the Controller VMs are on the same subnet as the hypervisors in the local cluster. | The Controller VM and the hypervisor are not on the same subnet. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::3060 | Transmit Packet Loss | Verify whether transmit packets drop rate for the VM is not above {vm\_tx\_drop\_threshold} / sec. | The VM workload has high demand for CPU resources. | On a VM with bursty network traffic, packet loss may occur. |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::101051 | Automatic disabling of Deduplication | Check that On disk Dedup is not automatically disabled | Deduplication was disabled due to high metadata size, CVM RAM or SSD requirements are not met. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::101053 | Sanity check on local.sh | Validate local.sh file configuration. | pynfs server is using legacy setting to write log file on root partition of ESXi ramdisk. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::6211 | CVM Memory Pinned Check | Verify CVM memory reservation and pinning. | CVM memory reservation is configured incorrectly. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::101054 | Erasure coding pending check | Check if EC undo is pending on any of the Storage Containers |  |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::3067 | NIC Link Down | Checks whether any nic is down. | The NIC is disconnected from the switch, or the switch port is failing. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::3066 | NIC Flapping Check | Check that all Nics have no flapping. | A physical networking component is failing. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::3065 | Host IP Pingable | Check that all host ips are pingable from local SVM. | The hypervisor host is down or there is a network connectivity issue. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::3064 | CVM Passwordless Connectivity Check | Check that SVM has passwordless connection to each other. | The Controller VM is down or there is a network connectivity issue. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::3061 | Receive Packet Loss | Verify whether receive packets drop rate for the VM is not above {vm\_rcv\_drop\_threshold} / sec. | The VM workload has high demand for CPU resources. | On a VM with bursty network traffic, packet loss may occur. |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::101046 | Descriptors to deleted files check | Check if there are file descriptors to deleted files |  |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::6447 | EVC Configuration Check | Checks whether VMWare EVC configuration can cause VM migration problems | Not all hosts have the same EVC baseline applied | EVC mode not enabled on all hosts | Host CPUs in the cluster belong to multiple processor families, and EVC mode is disabled |  |
| 00050f34-da97-b9e8-0000-0000000052f1::101047 | High disk space usage | Check disk space usage on the cluster | High disk usage in the cluster. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::6449 | vCenter Connection Check | Check if vCenter connection is established. | vCenter registration not completed. | vCenter server is unreachable on port 80. |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::101048 | Disk online check | Check for offline disks | A disk may have failed or was manually removed. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::6207 | CVM IP Address Configuration | Checks that cvm IP address is in sync with zeus configuration | The IP address configured in the cluster does not match the actual setting of the Controller VM. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::101049 | Incomplete disk removal | Check for incomplete disk removal | Cluster Health detected an incomplete disk removal operation. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::6206 | Remote Support Status | Checks if remote support tunnel to Nutanix HQ is enabled on this cluster. | Nutanix support staff are able to access the cluster to assist with any issue. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::6448 | ESXi SIOC status check | Checks if the ESX Storage IO Controller (SIOC) feature is disabled | ESX SIOC feature may be enabled |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::6208 | Hypervisor IP Address Configuration | Checks that hypervisor IP address is in sync with zeus configuration | The IP address configured in the cluster does not match the actual setting of the hypervisor. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::106442 | VMKNICs subnets check | Check if vmknics have different subnets | vmknics have ip address configured in the same subnet |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::106441 | Ivy Bridge performance check | Check Ivy Bridge performance degradation secenarios on ESXi |  |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::106446 | ESXi NFS hearbeat timeout check | Check if NFS heartbeat timeout is set to recommended value. | NFS heartbeat parameter is set NOT set to 30 secs. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::106445 | ESXi APD handling check | Check if APD handling is disabled. | APD handling is enabled. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::106444 | ESXi CPU model and UVM EVC mode check | Check CPU model and UVM EVC mode on ESXi | Some SMEP enabled VMs detected. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::106439 | .dvsData directory in local datastore | Check that .dvsData directory is present on pynfs mounted local datastore | .dvsData directory is not persistent yet. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::106438 | RC local script exit statement present | Check that top level exit statement is not present in RC local script | Top level exit statement present in script rc local preventing script lines from being run. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::106437 | EOF check | Check that there is no line "EOF" at end of rc local script | "EOF" statement at end of rc local. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::106436 | Autobackup check | Check that /sbin/auto-backup.sh has run successfully | /sbin/auto-backup.sh has not run successfully. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::6005 | CVM to CVM Connectivity | Verify whether Controller VMs can ping each other in less than {ping\_time\_threshold\_ms} ms. | Network configurations may be wrong. | Controller VM is shut down (for instance Controller VM reboot in case of a planned maintenance). |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::103069 | Host FQDN resolution | Check FQDN resolution of host IPs | Unable to reach name server or name server doesn't have correct entry. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::103068 | Network adapter setting check | Check Network adapter setting | Network adapter is not set to not connect on power on |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::6011 | Node NIC Error Rate High | Check that each NIC has fewer than {nic\_error\_threshold} errors during span of execution (3600 seconds) | The NIC is encountering physical errors. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::106422 | ESXi VAAI plugin enabled | Check if VAAI Plugin is enabled | ESXi VAAI plugin is not enabled. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::106421 | ESXi VAAI plugin installed | Check if the latest version of VAAI Plugin is installed | Incorrect ESXi VAAI plugin version for AOS version. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::106417 | ESXi TCP delayed ACK check | Check TCP delayed ack settings | 'TCP Delayed ACK' is enabled on ESXi |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::106416 | BMC firmware version check | Check BMC Firmware Version | BMC firmware version is older than the recommended version. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::106415 | ESXi version compatibility | Check ESX version compatibility with NOS | ESXi on the cluster is not of the recommended version. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::6008 | 10 GbE Compliance | Verify whether the Controller VM is uplinked to the 10 GbE NIC. | The Controller VM is not configured to use the 10 GbE NIC. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::106419 | ESXi services check | Check if ESXi services are up on the host | One of ssh, ntpd, shell, vpxa, lbtd, DCUI, sfcbd services are not running. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::106418 | ESXi Driver compatibility check | Check compatibility of the installed ixgbe driver with NOS | Intel ixgbe driver is on qualified driver version earlier than 3.21.4. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::106431 | PYNFS dependency check | Check PYNFS dependency | PYNFS is in use and is not present. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130100 | iSCSI Configuration Failed | iSCSI Configuration Failed | Nutanix Guest Tools failed to execute some iSCSI commands on the guest VM. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::106430 | ESXi configured VMK check | Check that correct vmk is chosen | Host Management IP in esx.conf does not match the host ip in zeus config. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130103 | NGT Mount Failure | Nutanix Guest Tools mount failed. | Failed to attach ISO image to the VM, please check the logs for exact cause of failure. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130104 | NGT Version Incompatible | NGT version of the VM is incompatible with the NGT version of the cluster. | VM is restored from the snapshot. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::106433 | vim command check | Check that vim-cmd vmsvc/power.on command is present in local script | vim-cmd vmsvc/power.on\ command not present in local script. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130101 | Volume Group Attachments Not Restored | Volume Group Attachments Not Restored. | Acropolis failed to attach volume groups to the VMs. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130102 | Self service restore operation Failed | Self service restore operation failed | Snapshot disk could not be recovered. | Recovered disk could not be attached to the VM. | Self-service restore disk could not be detached from VM. |  |
| 00050f34-da97-b9e8-0000-0000000052f1::106432 | localcli check | Check that esxcli command not used in rc local script | esxcli command is used in rc local script. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130107 | Disk Configuration Update Failed | Disk Configuration Update Failed | Nutanix Guest Tools failed to automatically bring the disks online. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130108 | Cloud Remote Site failed to start | Cloud remote site failed to start. | Various |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130105 | VSS Snapshot Not Supported | VSS snapshot is not supported for the VM. | VM has unsupported configuration. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130106 | VSS Snapshot Aborted | VSS snapshot is aborted by the Guest VM. | Guest VM aborted VSS snapshot operation. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130109 | Cloud Remote Operation Failure | Cloud Remote Operation Failure. | Cloud remote site could not be reached |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::106428 | CVM port group renamed | Check that CVM port group name has not changed | CVM port group is renamed on the ESXi hosts. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::106427 | VMware hostd service check | Check if hostd access is available | VMware hostd service may not be running. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::106426 | NFS file count check | Check that NFS datastore file count below threshold 20000 | Number of files for respective storage containers has increased beyond 20K. This is expected with large VDI setups. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::106429 | ESXi Scratch Configuration | Check ESXi Scratch settings | Host contains a scratch location that is not properly configured or the locker.conf cannot be read. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::106013 | FusionIO PCIE-SSD: ECC errors check | Check ECC errors on FIO drives | If the check reports a non-zero value, it does not neccesarily indicate the card is defective. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::106017 | Samsung SM863 SSD status check | Check the status of SM863 and SM863a SSD drive | SM863a SSD drive revision is unsupported or SM863 and SM863a has been in use for a long time and close to maximum write endurance. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::106016 | Boot device status check | Check status of the boot device |  |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::106015 | Boot device connection check | Check connection to the boot device | Boot device may have lost connection. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::106014 | Intel Drive: ECC errors | Check for IO errors on an Intel PCIe drive | Intel SSD that has reached its maximum number of reads/writes. | Failure in the physical interface in the server or drive. |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::160032 | File Server In Heterogeneous State | File server in heterogeneous state.Nodes do not match in their CPU or memory configuration. | Various. Check alert message for details. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::160033 | Remote Site Not File Server Capable | Checks File server remote sites are file server capable | Remote site is not File server capable |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::160034 | Failed To Run File Server Metadata Fixer Successfully | Failed to Run File Server Metadata Fixer tool successfully | Metada data fixer task might timedout |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::160030 | Multiple File Server Versions Check | Checks whether multiple File server versions are running in the cluster | File server(s) were powered off or not reachable during the last fileserver upgrade. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::160031 | File Server Upgrade Task Stuck Check | Check that file server task is progressing. | Various. Check alert message for details. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::103074 | Storage routed to alternate CVM check | Check if storage is routed to an alternate CVM | Stargate traffic reroute is engaged on host of the cluster. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::103073 | CVM 10 GB uplink check | Check that CVM uplinked to active 10Gbps link | CVM is not uplinked to active 10Gbps link. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::103076 | NTP configuration check | Check that NTP is configured properly on CVM/Hypervisor | Detected problems with NTP configuration. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::103075 | NIC driver and firmware version check | Check if Quad port NIC driver version is above min recommended version | Quad-port nic card on Nutanix Haswell platform is not running min recommended driver or firmware version. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::103079 | VM IDE bus check | Check UVMs with IDE disk | Detected VMs running in the cluster on IDE bus. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::103070 | NTP server FQDN resolution | Check NTP Server FQDN resolution | Unable to reach name server or name server doesn't have correct entry. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::200201 | Acropolis Dynamic Scheduler Status | One or more nodes have resource contention. This imbalance can cause performance bottlenecks on the node(s) affected. | Cluster may have insufficient CPU or Controller VM resources. | Cluster may have insufficient resources to satisfy VM group affinity policies or VM host affinity policies. |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::103072 | NSC(Nutanix Service Center) server FQDN resolution | Check NSC server FQDN resolution | Unable to reach name server or name server doesn't have correct entry. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::103071 | SMTP server FQDN resolution | Check SMTP server FQDN resolution | Unable to reach name server or name server doesn't have correct entry. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::103085 | CVM same timezone check | Check that all CVMs are in the same timezone | Some of the Controller VMs in the cluster are not in the same timezone. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::103086 | Cluster NCC version check | Check that NCC version is consistent on the cluster | NCC version is different across the CVMs. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::103089 | Duplicate CVM IP check | Check for duplicate CVM IP | One (or more) of your Nutanix cluster Controller VM external(eth0) interfaces conflicts with other hosts on the same network. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::103088 | Inter-CVM connectivity check | Check that all CVMs are reachable via ping | The Controller VM is down or there is a network connectivity issue. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::103080 | CVM memory check | Check CVM Memory | CVM memory is lesser that the recommended threshold with the current feature set. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130033 | Disk Offline Status | Disk Bad | The drive has failed. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::15021 | IPMI sensor values check | Check that all IPMI sensor values are within threshold | IPMI sensors are not within threshold. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::15020 | Correctable ECC Errors 10 Days | Check for number of correctable ECC errors for last 10 days in the IPMI system event log. | A memory module in the node is failing. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130031 | Non SED Disk Inserted Check | Non Self Encrypting Drive disk inserted | A cluster with self-encrypting drives has a non-self encrypting drive installed. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130032 | On-Disk Dedup Status | On-Disk Dedup Disabled | To support on-disk deduplication (fingerprinting) feature, the Controller VM must meet the minimum requirements for RAM and SSD. When this safety threshold is not satisfied, on-disk deduplication is disabled. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130037 | Protected VM CBR Capablity | Protected VM is not Nutanix backup and recovery compliant. | The VM found in the protection domain has been modified to include files that are not on a Nutanix Storage Container. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::15025 | DIMM Voltage | Check that DIMM voltage is within normal range. | Memory problem and server board problem may cause DIMM voltage to be too high or too low. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130038 | Protected VM Not Found | Protected VM not Found | The protected VM cannot be found and may have been deleted. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::15024 | CPU Voltage | Check that CPU voltage is within normal range. | Server board component problem may cause the CPU voltage to be too high or too low. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130035 | Physical Disk Status | Physical drive has failed. | The drive has failed. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::15023 | IPMI sel assertions check | Check for IPMI SEL assertions in the past 24 hours | IPMI events logged in the last 24 hours. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::15022 | IPMI connectivity check | Check that IPMI is working on all nodes | Refer to KB 1502. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130036 | Physical Disk Remove Check | Physical disk removed from slot | A drive was physically removed from a slot. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::15027 | DIMM-VRM Temperature | Check that DIMM-VRM temperature is not high. | Server board component problem may cause DIMM-VRM temperature to be high. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::15026 | CPU-VRM Temperature | Check that CPU-VRM temperature is not too high. | Server board component problem may cause the CPU-VRM to be overheating. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130040 | PD Active | Protection Domain Activation | Various |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130041 | PD Change Mode Status | Protection Domain Change Mode Failure | Protection domain cannot be activated or migrated. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130044 | PD Full Replication Status | Full Replication was done. | A reference snapshot could not be found. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130045 | PD Replication Expiry Status | Protection Domain Replication Expired | Replication is taking too long to complete before the snapshots expire. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130042 | PD VM Action Status | Failed to change state of one or more VMs. | The hypervisor may have insufficient resources or the configuration of the VM restored from the snapshot may be invalid. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130043 | PD VM Registration Status | Registration of one or more VMs failed | VMs in the snapshot have invalid VM configuration or the local hypervisor reported an error. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130048 | PD Snapshot Retrieval | Protection Domain Receive Snapshot Failure. | Various |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130049 | PD Snapshot Status | Protection Domain Snapshot Failure. | Protection domain cannot be snapshotted. | Metro protection domain has more entities than supported. |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130046 | PD Replication Status | Protection Domain Replication Failure | Various |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130047 | PD Replication Skipped Status | Skipped replication of the snapshot. | Snapshot replication was skipped because a newer snapshot is available. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130051 | SED Operation Status | Self encrypting drive operation failure | A self encrypting drive operation could not be performed. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130052 | Snapshot Crash Consistent | Snapshot partially crash consistent. | VSS or hypervisor error |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130050 | Remote Site Health | Remote site is unhealthy. | Various |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130055 | FT2 Configuration | Unsupported Configuration For Redundancy Factor 3. | To support 'Redundancy Factor 3' feature all controller VMs in the cluster must meet the minimum requirements for RAM. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130056 | vDisk Block Map Usage | vDisk Block Map Usage High Critical. | Too many vdisks or snapshots are present in the system. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130053 | Space Reservation Status | Space Reservation Violated | A drive or a node has failed. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::106022 | SSD Firmware Check | Check SSD firmware version | SSD firmware version is below the recommended version. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130054 | Stargate Status | Stargate Temporarily Down. | Various |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::106021 | Intel SSD Configuration | Check if node has supported configuration for Intel SSD S3610 | SSD S3610 is installed on an NX-1020 or NX-9040 node. SSD S3610 is installed on a cluster whose AOS version is before 4.1.1.4. SSD S3610 is not properly down-formatted. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::106028 | DIMMs Interoperability Check | DIMMs Interoperability Check | DIMMs of different types are in the same memory channel. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::106027 | CVM virtual hardware version check | Check CVM virtual hardware version | One or more CVM is using old/different virtual hardware version |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::106026 | CPU type on chassis check | Checks whether CPUs within a chassis are of the same type. | A node of a different type was added to the chassis. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130057 | VM Action Status | VM Action Error | A VM could not be restored because of a hypervisor error, or could not be deleted because it is still in use. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130058 | VM Virtual Hardware Version Compatible | VM Virtual Hardware Version not Compatible | Virtual hardware version of the VM is not compatible with the maximum virtual hardware version supported by any of the nodes at the remote site. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::106025 | Hardware FRU information correctness | Check that FRU fields are programmed to correct value | Hardware information may be incorrectly configured. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::106020 | SATA controller | Check SATA controller ports | The SATA controller is experiencing errors. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::15007 | Fan Speed High | Check that fan speed is not too high | The device is overheating to the point of imminent failure. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::15006 | Fan Speed Low | Check that fan speed is not low | A fan has failed. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::106019 | SAS Connectivity | Check SAS connectivity | SAS cables are not properly connected. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::106018 | LSI Disk controller firmware status | Check LSI Firmware Revision | LSI Disk Controller is running a superseded version of firmware. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130062 | Remote Site Network Configuration | No Network Mapping Specified. | No network mapping specified when remote site is created. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130063 | Remote Site Network Mapping Configuration | Invalid Network Mapping Specified. | Either the source or destination network configuration is not present in network mapping specified in the remote site, or the networks specified in the network mapping do not exist. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130060 | SMTP Configuration | Failed to send email | The cluster cannot send Pulse and alert emails to Nutanix support with the current configuration. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::15008 | Ram Fault Status | Check if current available memory has gone below the installed size. | A DIMM has failed. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::15010 | CPU Temperature High | Check that cpu temperature is not too high | The device is overheating to the point of imminent failure. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130067 | VM HA Healing Status | HA healing failure | Not enough memory/CPU resources within the cluster. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130064 | VMs Restart Status | Failure to restart VMs for HA event | Not enough memory or CPU resources within the cluster. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130065 | Host Evacuation Status | Failure to evacuate host while entering maintenance mode or reserving host for HA. | Not enough memory/CPU resources within the cluster. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::15014 | GPU Temperature High | Check that gpu temperature is not high | The device is overheating to the point of imminent failure. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::15013 | IPMI IP Address Configuration | Checks that IPMI IP address is in sync with zeus configuration | The IP address configured in the cluster does not match the actual setting of the IPMI interface. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130068 | VM HA Status | High Availability Failure | Not enough memory/CPU resources within the cluster. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::15012 | System temperature high | Check that system temperature is not high | The node is overheating to the point of imminent failure. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::15011 | DIMM temperature high | Check that DIMM temperature is not high. | The device is overheating to the point of imminent failure. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130069 | Stargate Responsive | Check if any Stargate process is still running after being killed. | Stargate got into an unresponsive state. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::15018 | Power Supply Status | Check that Power supply has no errors. | The power supply has failed. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::15017 | GPU Status | Check that GPU have not faulted. | The device is failing. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130070 | Protected Volume Group Not Found | Protected Volume Group not Found | The protected volume group cannot be found and may have been deleted. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::15016 | IPMI SDR Status | Checks whether IPMI SDR has failures. | The IPMI interface is down. | There is a network connectivity issue. | The hypervisor password does not match what is configured in the cluster. | The cluster did not correctly fail back after a Controller VM was temporarily down. |
| 00050f34-da97-b9e8-0000-0000000052f1::15015 | Hardware Clock Status | Check if Hardware clock has failed | The RTC clock on the host has failed or the RTC battery has died. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130073 | VSS Snapshot Status | VSS snapshot failed. | Guest is not able to quiesce VM due to internal error. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130074 | NGT Configuration | Nutanix Guest Tools not installed. | VSS is enabled but Nutanix Guest Tools are not installed on the VM(s). |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130071 | Volume Group Action Status | Volume Group Action Error | A volume group could not be restored or could not be deleted because it is still in use. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::15019 | Correctable ECC Errors One Day | Check for number of correctable ECC errors for last one day in the IPMI system event log. | A memory module in the node is failing. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130072 | vDisk Block Map Usage Warning | vDisk Block Map Usage High. | Too many vdisks or snapshots are present in the system. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130110 | VM group Snapshot and Current Mismatch | Check that snapshot to restore matches current VM group | VM group changed after snapshot was created. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130111 | Metro Old Primary Site Hosting VMs | Metro takeover - old primary site is hosting VMs | The old primary site is hosting VMs while the secondary is taking over the metro protection domain. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::110227 | ESX VM Virtual Hardware Version Compatible | Check Virtual hardware version compatibility of protected VMs | Virtual hardware version of the VM is not compatible with the maximum virtual hardware version supported by any of the nodes at the remote site. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::110224 | Checkpoint snapshot on Metro configured Protection Domain | Check that last auto checkpoint snapshot was taken in the last 4 hours | Automatic checkpoint snapshot might not be created or created with delay. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::110222 | Metro Availability Secondary PD sync check | Check if secondary metro PD is in sync with primary | Link between primary and secondary is not healthy. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130114 | Witness Not Configured | Witness is not configured | Witness is not configured |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130115 | Witness Not Reachable | Witness is not reachable | Witness or the network is down |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::110223 | Backup snapshots on metro secondary check | Check if there are any backup snapshots on a metro secondary which can be used to reclaim space | A local snapshot of the Storage Container saved on the standby cluster in a metro availability configuration. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::110220 | Cloud remote check | Check backup and on-wire compression settings for cloud remote sites |  |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130112 | Protection Domain Decoupled Status | Protection domain is in decoupled state | Standby site has been promoted to primary |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130113 | PostThaw Script Execution Failed | Execution of the PostThaw Script Failed | Guest VM failed to execute the post\_thaw script during the creation of the application consistent snapshot. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130118 | Updating Metro Failure Handling Remote Failed | Error in updating failure handling on the remote Metro Availability protection domain | Various |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130119 | Stretch Connectivity Lost | Stretch connectivity is lost | Remote site(s) not reachable |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130116 | Automatic Promote Metro Availability | Metro availability is promoted. | Remote site unreachable. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130117 | Updating Metro Failure Handling Failed | Error in updating failure-handling on Metro Availability protection domain. | Various |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::110228 | Duplicate VM names | Check for duplicate VM names | Duplicate named VMs are found. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130121 | High Space Usage on Storage Container | Check high space usage on Storage Containers | Excessive space usage in the Storage Container. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130000 | Remote Site Tunnel Status | Secure Tunnel To Remote Site Down. | Incorrect remote site configuration or network connectivity issue. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::110216 | Protected VMs Storage Configuration | Protected VMs have invalid storage configuration. | Not all protected VMs are on Nutanix storage. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130122 | NFS Metadata Size Overshoot | NFS Metadata Usage High | Either NFS datastore is used as a file store which is not supported, or too many files are present in the datastore. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130120 | System Defined Flash Mode Usage Limit | Check that usage for flash-mode-enabled vDisks is within system limits. | Too many vDisks are assigned to the flash tier, or the vDisks assigned to the flash tier are too large. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130004 | Metadata Drive AutoAdd Disabled Check | Metadata Drive AutoAdd Disabled | This node has been removed from metadata store after being automatically added recently. Automatic addition of this node to the metadata store has now been disabled. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130125 | Manual Promote Metro Availability | Metro availability is promoted. | An administrator promoted metro availability. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130126 | Manual Break Metro Availability | Metro availability is disabled. | An administrator disabled metro availability. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130005 | Metadata Drive Ring Check | Node detached from metadata ring | Either a metadata drive has failed, the node was down for an extended period of time, or an unexpected subsystem fault was encountered, so the node was removed from the metadata store. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130002 | Metro Connectivity | Metro availability is disabled. | Remote site unreachable. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130123 | Authentication Failed in Witness | Authentication failed in Witness | Witness configured with incorrect credentials |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::110210 | Storage Container RF Status | Check that the Storage Container region replication factor is not low | Replication factor on the Storage Container was changed to 1. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130003 | Password Protected Disk Status | Cannot remove password protected disk(s) | Either the disks are offline, pulled out or the corresponding node is down. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130124 | Metro Availability Prechecks Failed | Metro availability prechecks failed | Various |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130129 | Metro Protection domain VMs running at Sub-optimal performance | VMs in the standby site of a Metro Availability protection domain are running at suboptimal performance. | VMs are hosted at the standby site of the Metro Availability protection domain. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130008 | Metadata Drive Failed Check | Metadata Drive Failed | Either a metadata drive has failed, node removal has been initiated, or an unexpected subsystem fault has been encountered. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130009 | Metadata Size | Large metadata size detected | A node in the cluster contains a large amount of metadata and has exceeded thresholds. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130127 | Application Consistent Snapshot Skipped | Application-consistent snapshot not taken for the VM. | VMware tools is not installed on the VM. | VMware tools is not running inside the VM. |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130006 | Metadata DynRingChangeOp Status | Dynamic Ring Change operation not making progress | A node in the cluster is unhealthy. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130007 | Metadata DynRingChangeOp Slow Check | Dynamic Ring Change operation too slow | A node in the cluster is unhealthy, or the cluster contains an extraordinarily large amount of data. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::110219 | Unsupported number of VMs in the Metro or Vstore PD | Unsupported number of VMs in Metro/Vstore Protection Domain. | Unsupported number of VMs in Metro/Vstore Protection Domain. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::110217 | Protection Domains sharing VMs | VMs are protected in multiple Protection Domains. | VMs are protected in multiple Protection Domains. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130011 | Metadata Drive Detached Check | Metadata Drive Detached | Either a metadata drive has failed, the node was down for an extended period of time, or an unexpected subsystem fault was encountered, so the node is marked to be removed from the metadata store. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::110204 | Local Backup Availability | Verify if recovery is possible from a local backup. | Backup schedule is not configured properly. | Backup is failing. |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130132 | VM Registration Warning | VM Registration caused warning | Processor features may not be compatible |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130012 | Metadata Imbalance Check | Cassandra Metadata Imbalance | One or more nodes have a disproportionately larger token range size. This imbalance can cause performance bottlenecks on the node(s) affected. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130130 | Protection Domain VM Count Check | Protection domain contains multiple VMs. | Replicating a protection domain with multiple VMs to a backup only remote site. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130131 | Replication Of Deduped Entity | Snapshot contains entities from the storage container that have deduplication enabled. | Replicating a snapshot with entities from the storage container that have deduplication enabled to a single node backup or cloud remote site. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130015 | Curator Job Status | Curator Job Running Too Long | Various |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::110200 | Backup Schedule | Verify that an active backup schedule exists for a protection domain protecting some entities. | No backup schedule exists for protection domain protecting some entities. | Backup schedule exists for protection domain not protecting any entity. |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130016 | Curator Scan Status | Curator Scan Failure | Various |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::110201 | Storage Container Mount | Verify that storage containers are mounted on all nodes. | Storage Containers are not mounted on all nodes. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130013 | Certificate Creation Status | Certificate signing request creation failure | Either the OpenSSL library had a failure or a non-supported subject field, subject value, or subject alternative name was provided. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130014 | Compression Status | Compression is Disabled. | Compression metadata usage has exceeded the safety limits. Compression metadata usage can increase due to variety of reasons such as having too many snapshots simply because too much of data is stored. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130019 | Restored Entities Protected | Entities Restored But Unprotected | Some other protected entities conflict with the entities being recovered. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130017 | IP Configuration | Duplicate IP Address Detected | The cluster virtual IP address may be configured on another host. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130018 | Duplicate Remote Cluster ID Check | Duplicate Remote Cluster ID | Two remote sites with different names or different IP addresses have same cluster ID. This can happen in two cases: (a) A remote cluster is added twice under two different names (through different IP addresses) or (b) Two clusters have the same cluster ID. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130022 | Consistency Group Configuration | Invalid Consistency Group | VMs with common files are not in the same consistency group. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130023 | Virtual IP Configuration | IP Address Not Hosted | The network configuration is corrupted. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130020 | Entities Restored Check | Entities Skipped During Restore | Existing files conflict with the files to be recovered. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130021 | Finger Printing Status | Fingerprinting Disabled | The metadata disk is used for metadata and data. Once the metadata portion on the disk exceeds the safety threshold we disable fingerprinting (deduplication) of future writes. Metadata sizes can increase due to a variety of reasons such as having too many snapshots, or simply because too much data is fingerprinted. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130026 | Metadata Volume Snapshot Persistent | Metadata Volume Snapshot Persistent Failure | The EBS snapshot service is unavailable, possibly because AWS could not be reached. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130027 | Metadata Volume Snapshot Status | Metadata Volume Snapshot Timeout Failure | Metadata volume snapshot frequency is too high. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130024 | Kerberos Clock Skew Status | Kerberos Clock Skew Failure | There is considerable clock skew between the Controller VM and the Domain Controller. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130025 | Metadata Usage | Metadata Usage High. | The cluster either has too many snapshots or too much data is being fingerprinted. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130028 | Metro Availability | Metro availability start failed | Various |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130029 | Metro Vstore Mount Status | Stale NFS mount | Stale NFS file handle. |  |  |  |
| 00050f34-da97-b9e8-0000-0000000052f1::130030 | Node Status | Node Failure | Host is not accessible. |  |  |  |

# Nutanix vDisk Information

### Nutanix vDisks

| Container Name | Pool Name | NFS File | Snapshot | Dedup | NFS File Name |
| --- | --- | --- | --- | --- | --- |
| CTR01 | SP01 | True | False | NONE | CONTMSPL001\_2-flat.vmdk |
| CTR01 | SP01 | True | False | NONE | CONTMLPC001-flat.vmdk |
| CTR01 | SP01 | True | False | NONE | CONTVCSA002\_9-flat.vmdk |
| CTR01 | SP01 | True | False | NONE | CONTMCWC001-f0866840-faa2-4d08-aba4-83869947aebe-xd-delta.vmdk-delta.REDO\_td9UOP |
| CTR01 | SP01 | True | False | NONE | CONTVCSA002\_6-flat.vmdk |
| CTR01 | SP01 | True | False | NONE | CONTVCSA002\_5-flat.vmdk |
| CTR01 | SP01 | True | False | NONE | CONTCNS001-flat.vmdk |
| CTR01 | SP01 | True | False | NONE | CONTVCSA002\_1-flat.vmdk |
| CTR01 | SP01 | True | False | NONE | CONTVCSA002\_10-flat.vmdk |
| CTR01 | SP01 | True | False | NONE | CONTMAppD001\_2-flat.vmdk |
| CTR01 | SP01 | True | False | NONE | CONTVCSA002-flat.vmdk |
| CTR01 | SP01 | True | False | NONE | CONTVCSA002\_2-flat.vmdk |
| CTR01 | SP01 | True | False | NONE | CONTMPVS002-flat.vmdk |
| CTR01 | SP01 | True | False | NONE | CONTMAPP005\_2-flat.vmdk |
| CTR01 | SP01 | True | False | NONE | CONTMUNI002\_1-flat.vmdk |
| CTR01 | SP01 | True | False | NONE | CONTMLIC001\_2-flat.vmdk |
| CTR01 | SP01 | True | False | NONE | CONTMDC001-flat.vmdk |
| CTR01 | SP01 | True | False | NONE | CONTMVCS001\_2-flat.vmdk |
| CTR01 | SP01 | True | False | NONE | CONTMPVS001-flat.vmdk |
| CTR01 | SP01 | True | False | NONE | CONTCNS001-000001-delta.vmdk |
| CTR01 | SP01 | True | False | NONE | CONTMIOT001\_2-flat.vmdk |
| CTR01 | SP01 | True | False | NONE | CONTLUNI003-flat.vmdk |
| CTR01 | SP01 | True | False | NONE | CONTVCSA002\_3-flat.vmdk |
| CTR01 | SP01 | True | False | NONE | CONTLCXM001-flat.vmdk |
| CTR01 | SP01 | True | False | NONE | CONTVCSA002\_4-flat.vmdk |
| CTR01 | SP01 | True | False | NONE | CONTLWPKB002-flat.vmdk |
| CTR01 | SP01 | True | False | NONE | CONTMLPC001\_1-flat.vmdk |
| CTR01 | SP01 | True | False | NONE | CONTW7PVS002\_1-flat.vmdk |
| CTR01 | SP01 | True | False | NONE | CONTVCSA002\_7-flat.vmdk |
| CTR01 | SP01 | True | False | NONE | CONTLUNI001-flat.vmdk |
| CTR01 | SP01 | True | False | NONE | CONTMCSF001-flat.vmdk |
| CTR01 | SP01 | True | False | NONE | CONTMUNI002-flat.vmdk |
| CTR01 | SP01 | True | False | NONE | CONTLKMS001-flat.vmdk |
| CTR01 | SP01 | True | False | NONE | CONTMLPC001\_2-flat.vmdk |
| CTR01 | SP01 | True | False | NONE | CONTWU001-flat.vmdk |
| CTR01 | SP01 | True | False | NONE | CONTMCWCE002-flat.vmdk |
| CTR01 | SP01 | True | False | NONE | CONTMAP001-flat.vmdk |
| CTR01 | SP01 | True | False | NONE | CONTMAP002\_2-flat.vmdk |
| CTR01 | SP01 | True | False | NONE | CONTMSF001\_2-flat.vmdk |
| CTR01 | SP01 | True | False | NONE | CONTMXD001-flat.vmdk |
| CTR01 | SP01 | True | False | NONE | CONTMCWCE001\_2-flat.vmdk |
| CTR01 | SP01 | True | False | NONE | CONTMPVS002\_2-flat.vmdk |
| CTR01 | SP01 | True | False | NONE | CONTMDPL001-flat.vmdk |
| CTR01 | SP01 | True | False | NONE | CONTLFND001-flat.vmdk |
| CTR01 | SP01 | True | False | NONE | CONTMAP003\_2-flat.vmdk |
| NTNX-NFS-DEFAULT | SP01 | True | False | NONE | DockerQA1-flat.vmdk |
| CTR01 | SP01 | True | False | NONE | CONTMVCM001\_2-flat.vmdk |
| CTR01 | SP01 | True | False | NONE | CONTVCSA002\_8-flat.vmdk |
| CTR01 | SP01 | True | False | NONE | 30 Apr 2015 14-45-06.3202Z-flat.vmdk |
| CTR01 | SP01 | True | False | NONE | CONTMDPL001\_1-flat.vmdk |
| CTR01 | SP01 | True | False | NONE | CONTW7PVS001\_1-flat.vmdk |
| CTR01 | SP01 | True | False | NONE | CONTMCWC002-ffcb7925-c18e-4d81-bfc7-b0f480f9b7bc-xd-delta.vmdk-delta.REDO\_36hwqo |
| CTR01 | SP01 | True | False | NONE | CONTMAPVOL001-flat.vmdk |
| CTR01 | SP01 | True | False | NONE | CONTMSF002\_2-flat.vmdk |
| CTR01 | SP01 | True | False | NONE | CONTMPVS001\_1-flat.vmdk |
| CTR01 | SP01 | True | False | NONE | CONTMFS001-flat.vmdk |
| CTR01 | SP01 | True | False | NONE | CONTMCWC002\_IdentityDisk-flat.vmdk |
| CTR01 | SP01 | True | False | NONE | CONTMAP006\_2-flat.vmdk |
| CTR01 | SP01 | True | False | NONE | CONTMDC002\_2-flat.vmdk |
| CTR01 | SP01 | True | False | NONE | CONTMFS001\_1-flat.vmdk |
| CTR01 | SP01 | True | False | NONE | CONTMWPKB001-flat.vmdk |
| CTR01 | SP01 | True | False | NONE | CONTMAP004\_2-flat.vmdk |
| CTR01 | SP01 | True | False | NONE | CONTMSCOM001\_2-flat.vmdk |
| CTR01 | SP01 | True | False | NONE | CONTMNPS001\_2-flat.vmdk |
| CTR01 | SP01 | True | False | NONE | CONTMPVS713\_2-flat.vmdk |
| CTR01 | SP01 | True | False | NONE | CONTMCWC001\_IdentityDisk-flat.vmdk |
| CTR01 | SP01 | True | False | NONE | CONTLUNI002\_2-flat.vmdk |
| CTR01 | SP01 | True | False | NONE | CONTWU001-000001-delta.vmdk |
| CTR01 | SP01 | True | False | NONE | CONTMSQL001-flat.vmdk |
| CTR01 | SP01 | True | False | NONE | CONTLUNICP001-flat.vmdk |
| CTR01 | SP01 | True | False | NONE | CONTMFS001\_2-flat.vmdk |
| CTR01 | SP01 | True | False | NONE | CONTMCSF001\_2-flat.vmdk |
| CTR01 | SP01 | True | False | NONE | CONTMWPKB003-flat.vmdk |

# Nutanix Protection Domains

### Nutanix Protection Domain

### Nutanix Protection Domain Consistency Group

### Nutanix Protection Domain Snapshots

### Nutanix Protection Domain Unprotected VMs

| Name | OS | Memory in GB | Res. Memory in GB | vCPUs | Res. HZ | NICs | Disk Capacity in GB |
| --- | --- | --- | --- | --- | --- | --- | --- |
| CONTW7PVS001 | Microsoft Windows 7 (32-bit) | 2 | 0 | 2 | 0 | 1 | 10 |
| CONTMSF001 | Microsoft Windows Server 2012 (64-bit) | 4 | 0 | 4 | 0 | 1 | 0 |
| CONTLKMS001 | CentOS 4/5/6/7 (64-bit) | 0.5 | 0 | 1 | 0 | 1 | 0 |
| CONTMAP003 | Microsoft Windows Server 2012 (64-bit) | 4 | 0 | 4 | 0 | 1 | 0 |
| CONTMIOT001 | Microsoft Windows Server 2012 (64-bit) | 4 | 0 | 4 | 0 | 1 | 0 |
| CONTMPVS001 | Microsoft Windows Server 2012 (64-bit) | 8 | 0 | 2 | 0 | 1 | 0 |
| CONTMPVS002 | Microsoft Windows Server 2012 (64-bit) | 8 | 0 | 2 | 0 | 1 | 0 |
| CONTMAP004 | Microsoft Windows Server 2012 (64-bit) | 6 | 0 | 2 | 0 | 1 | 0 |
| CONTMAP002 | Microsoft Windows Server 2008 R2 (64-bit) | 8 | 0 | 2 | 0 | 1 | 0 |
| CONTMSCOM001 | Microsoft Windows Server 2012 (64-bit) | 4 | 0 | 4 | 0 | 1 | 0 |
| CONTLCXM001 | Other 3.x Linux (64-bit) | 4 | 0 | 2 | 0 | 1 | 0 |
| CONTW7PVS002 | Microsoft Windows 7 (32-bit) | 2 | 0 | 2 | 0 | 1 | 0 |
| CONTMDC001 | Microsoft Windows Server 2012 (64-bit) | 4 | 0 | 2 | 0 | 1 | 0 |
| DockerQA1 | CentOS 4/5/6/7 (64-bit) | 2 | 0 | 1 | 0 | 1 | 0 |
| CONTMCSF001 | Microsoft Windows Server 2012 (64-bit) | 4 | 0 | 2 | 0 | 1 | 0 |
| CONTWU001 | Microsoft Windows 7 (32-bit) | 2 | 0 | 2 | 0 | 1 | 0 |
| CONTMCWC002 | Microsoft Windows 7 (32-bit) | 2 | 0 | 2 | 0 | 1 | 0 |
| CONTMFS001 | Microsoft Windows Server 2012 (64-bit) | 4 | 0 | 2 | 0 | 1 | 0 |
| CONTMCWCE002 | Microsoft Windows Server 2012 (64-bit) | 4 | 0 | 2 | 0 | 1 | 0 |
| CONTMSPL001 | Microsoft Windows Server 2008 R2 (64-bit) | 16 | 0 | 4 | 0 | 1 | 0 |
| CONTMWPKB003 | Microsoft Windows 10 (64-bit) | 16 | 16 | 16 | 0 | 1 | 0 |
| CONTMLIC001 | Microsoft Windows Server 2012 (64-bit) | 4 | 0 | 4 | 0 | 1 | 0 |
| CONTMVCM001 | Microsoft Windows Server 2012 (64-bit) | 4 | 0 | 2 | 0 | 1 | 0 |
| CONTMDC002 | Microsoft Windows Server 2012 (64-bit) | 4 | 0 | 2 | 0 | 1 | 0 |
| CONTMUNI002 | CentOS 4/5/6/7 (64-bit) | 8 | 0.5 | 4 | 128000000 | 1 | 0 |
| CONTMVCS001 | Microsoft Windows Server 2012 (64-bit) | 4 | 0 | 2 | 0 | 1 | 0 |
| CONTMNPS001 | Microsoft Windows Server 2012 (64-bit) | 4 | 0 | 2 | 0 | 1 | 0 |
| CONTMAP006 | Microsoft Windows Server 2012 (64-bit) | 4 | 0 | 4 | 0 | 1 | 0 |
| CONTMWPKB001 | Microsoft Windows 7 (32-bit) | 12 | 12 | 12 | 0 | 1 | 0 |
| CONTMAPVOL001 | Microsoft Windows 7 (32-bit) | 2 | 0 | 2 | 0 | 1 | 0 |
| CONTLUNI002 | Microsoft Windows Server 2012 (64-bit) | 4 | 0 | 4 | 0 | 1 | 0 |
| CONTMAP005 | Microsoft Windows Server 2012 (64-bit) | 4 | 0 | 2 | 0 | 1 | 0 |
| CONTMAP005 | Microsoft Windows Server 2012 (64-bit) | 4 | 0 | 2 | 0 | 1 | 0 |
| CONTMXD001 | Microsoft Windows Server 2012 (64-bit) | 8 | 0 | 2 | 0 | 1 | 0 |
| CONTMXD001 | Microsoft Windows Server 2012 (64-bit) | 8 | 0 | 2 | 0 | 1 | 0 |
| CONTLUNICP001 | CentOS 4/5/6 (32-bit) | 2 | 0 | 2 | 0 | 1 | 0 |
| CONTMSQL001 | Microsoft Windows Server 2012 (64-bit) | 8 | 0 | 4 | 0 | 1 | 0 |
| CONTLUNI001 | CentOS 4/5/6 (32-bit) | 2 | 0 | 2 | 0 | 1 | 0 |
| CONTMSF002 | Microsoft Windows Server 2012 (64-bit) | 4 | 0 | 2 | 0 | 1 | 0 |
| CONTMAP001 | Microsoft Windows Server 2012 (64-bit) | 4 | 0 | 1 | 0 | 1 | 0 |
| CONTMDPL001 | Microsoft Windows Server 2012 (64-bit) | 4 | 0 | 1 | 0 | 1 | 0 |
| CONTMCWC001 | Microsoft Windows 7 (32-bit) | 2 | 0 | 2 | 0 | 1 | 0 |
| CONTMAppD001 | Microsoft Windows Server 2012 (64-bit) | 4 | 0 | 4 | 0 | 1 | 0 |
| CONTMCWCE001 | Microsoft Windows Server 2012 (64-bit) | 4 | 0 | 2 | 0 | 1 | 0 |
| CONTLUNI003 | CentOS 4/5/6/7 (64-bit) | 8 | 0 | 4 | 0 | 1 | 0 |
| CONTLWPKB002 | CentOS 4/5/6/7 (64-bit) | 4 | 0 | 2 | 0 | 1 | 0 |
| CONTLWPKB002 | CentOS 4/5/6/7 (64-bit) | 4 | 0 | 2 | 0 | 1 | 0 |
| CONTMLPC001 | CentOS 4/5/6/7 (64-bit) | 12 | 0 | 4 | 0 | 1 | 0 |
| CONTMPVS713 | Microsoft Windows Server 2012 (64-bit) | 4 | 0 | 4 | 0 | 1 | 0 |
| CONTCLNS001 | FreeBSD (64-bit) | 2 | 0 | 2 | 0 | 2 | 0 |
| CONTLFND001 | CentOS 4/5/6/7 (64-bit) | 3 | 0 | 2 | 0 | 1 | 0 |
| CONTVCSA002 | SUSE Linux Enterprise 11 (64-bit) | 16 | 0 | 4 | 0 | 1 | 0 |

# Nutanix VM Inventory

| VM Name | Protection Domain | Host Placement | Power State | Network Adapters | IP Address(es) | vCPUs | vRAM (GB) | Provisioned Space (GB) | Used Space (GB) |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CONTW7PVS001 |  | NTNXKB-A | on | 1 | fe80::cb7:7d63:b61c:2031/64,10.68.68.118/22 | 2 | 2 | 10 | 0 |
| CONTMSF001 |  | NTNXKB-C | on | 1 | fe80::5145:8a89:47b9:db07/64,10.68.68.65/24 | 4 | 4 | 50 | 17 |
| CONTLKMS001 |  | NTNXKB-C | on | 1 | 10.68.68.128/22,fe80::250:56ff:fe90:712f/64 | 1 | 0 | 30 | 1 |
| CONTMAP003 |  | NTNXKB-A | on | 1 | fe80::97f:f23e:1ef3:f918/64,10.68.68.74/22 | 4 | 4 | 50 | 16 |
| CONTMIOT001 |  | NTNXKB-C | on | 1 | fe80::f893:e833:ea75:1d68/64,10.68.68.87/22 | 4 | 4 | 50 | 16 |
| CONTMPVS001 |  | NTNXKB-A | on | 1 | fe80::544d:a530:59b3:6025/64,10.68.68.59/22 | 2 | 8 | 350 | 44 |
| CONTMPVS002 |  | NTNXKB-A | on | 1 | fe80::61c7:ac2c:2677:ca12/64,10.68.68.92/24 | 2 | 8 | 250 | 30 |
| CONTMAP004 |  | NTNXKB-A | on | 1 | fe80::4832:9574:a2a:5bd9/64,10.68.68.134/22 | 2 | 6 | 50 | 26 |
| CONTMAP002 |  | NTNXKB-B | on | 1 | fe80::f4d4:cbdf:607a:898b/64,10.68.68.67/22 | 2 | 8 | 50 | 26 |
| CONTMSCOM001 |  | NTNXKB-A | on | 1 | fe80::1418:668a:4837:abff/64,10.68.68.91/22 | 4 | 4 | 50 | 25 |
| CONTLCXM001 |  | NTNXKB-C | on | 1 | 10.68.68.79/22 | 2 | 4 | 50 | 1 |
| CONTW7PVS002 |  | NTNXKB-A | on | 1 | fe80::3d22:2a5d:5440:a6d2/64,10.68.68.120/22 | 2 | 2 | 10 | 0 |
| CONTMDC001 |  | NTNXKB-A | on | 1 | fe80::7590:716e:840d:2496/64,10.68.68.51/22 | 2 | 4 | 50 | 30 |
| DockerQA1 |  | NTNXKB-A | on | 1 | 10.68.68.103/22,fe80::250:56ff:fe90:d7a/64 | 1 | 2 | 50 | 3 |
| CONTMCSF001 |  | NTNXKB-B | on | 1 | fe80::306e:13ed:7f6f:6aeb/64,10.68.68.82/22 | 2 | 4 | 350 | 16 |
| CONTWU001 |  | NTNXKB-A | off | 1 |  | 2 | 2 | 40 | 39 |
| CONTMCWC002 |  | NTNXKB-C | on | 1 | fe80::d844:a19c:62d0:7aa1/64,10.68.68.142/22 | 2 | 2 | 40 | 0 |
| CONTMFS001 |  | NTNXKB-A | on | 1 | fe80::ac39:5613:ac8:ee6a/64,10.68.68.52/22 | 2 | 4 | 720 | 388 |
| CONTMCWCE002 |  | NTNXKB-A | on | 1 | fe80::488e:6505:39bf:b1d3/64,10.68.68.113/22 | 2 | 4 | 40 | 18 |
| CONTMSPL001 |  | NTNXKB-C | on | 1 | fe80::144e:f082:d3fd:9c02/64,10.68.68.145/22 | 4 | 16 | 50 | 33 |
| CONTMWPKB003 |  | NTNXKB-D | on | 1 | 10.68.68.108/22 | 16 | 16 | 200 | 77 |
| CONTMLIC001 |  | NTNXKB-A | on | 1 | fe80::c985:c83c:119b:28c7/64,10.68.68.85/22 | 4 | 4 | 50 | 16 |
| CONTMVCM001 |  | NTNXKB-A | on | 1 | fe80::c8d8:8d4c:fe1:da44/64,10.68.68.77/24 | 2 | 4 | 50 | 16 |
| CONTMDC002 |  | NTNXKB-C | on | 1 | fe80::c164:daec:4760:c846/64,10.68.68.80/22 | 2 | 4 | 50 | 15 |
| CONTMUNI002 |  | NTNXKB-D | on | 1 | 10.68.68.95/22 | 4 | 8 | 330 | 9 |
| CONTMVCS001 |  | NTNXKB-A | on | 1 | fe80::dda2:c548:49fd:8279/64,10.68.68.78/24 | 2 | 4 | 50 | 16 |
| CONTMNPS001 |  | NTNXKB-C | on | 1 | fe80::8e3:36d:46d3:817c/64,10.68.68.73/22 | 2 | 4 | 50 | 17 |
| CONTMAP006 |  | NTNXKB-A | on | 1 | fe80::5da1:4e08:7e11:349e/64,10.68.68.84/22 | 4 | 4 | 50 | 27 |
| CONTMWPKB001 |  | NTNXKB-D | on | 1 | fe80::4527:cff5:87b7:1e8c/64,169.254.30.140/16 | 12 | 12 | 100 | 40 |
| CONTMAPVOL001 |  | NTNXKB-C | on | 1 | fe80::78c6:1e86:2f40:7e2c/64,10.68.68.138/22 | 2 | 2 | 40 | 39 |
| CONTLUNI002 |  | NTNXKB-A | on | 1 | fe80::ce9:1dc3:a8c5:918e/64,10.68.68.88/22 | 4 | 4 | 50 | 16 |
| CONTMAP005 |  | NTNXKB-A | off | 1 |  | 2 | 4 | 100 | 45 |
| CONTMAP005 |  | NTNXKB-B | on | 1 | fe80::b9e0:ec03:2e40:2f25/64,10.68.68.124/22 | 2 | 4 | 100 | 45 |
| CONTMXD001 |  | NTNXKB-A | off | 1 |  | 2 | 8 | 100 | 62 |
| CONTMXD001 |  | NTNXKB-B | on | 1 | fe80::c20:e3f8:1f90:56af/64,10.68.68.55/22 | 2 | 8 | 100 | 62 |
| CONTLUNICP001 |  | NTNXKB-C | on | 1 | 10.68.68.115/22,fe80::250:56ff:fe90:2029/64 | 2 | 2 | 10 | 3 |
| CONTMSQL001 |  | NTNXKB-C | on | 1 | fe80::5cc3:c00f:312f:9dd5/64,10.68.68.54/22 | 4 | 8 | 200 | 97 |
| CONTLUNI001 |  | NTNXKB-A | on | 1 | 10.68.68.111/22,fe80::250:56ff:fe90:b49f/64 | 2 | 2 | 8 | 3 |
| CONTMSF002 |  | NTNXKB-C | on | 1 | fe80::512f:741d:c80d:9994/64,10.68.68.60/22 | 2 | 4 | 50 | 17 |
| CONTMAP001 |  | NTNXKB-B | on | 1 | fe80::c0e4:34d0:c8cd:c297/64,10.68.68.58/22 | 1 | 4 | 50 | 31 |
| CONTMDPL001 |  | NTNXKB-B | on | 1 | fe80::75d5:f85b:3b5e:5360/64,10.68.68.53/22 | 1 | 4 | 200 | 29 |
| CONTMCWC001 |  | NTNXKB-C | on | 1 | fe80::8976:ce91:c3dc:a3e4/64,10.68.68.136/22 | 2 | 2 | 40 | 39 |
| CONTMAppD001 |  | NTNXKB-D | on | 1 | fe80::e4ed:c26:da3d:860f/64,10.68.68.103/22 | 4 | 4 | 50 | 21 |
| CONTMCWCE001 |  | NTNXKB-B | on | 1 | fe80::5460:2704:a63b:8aa5/64,10.68.68.68/22 | 2 | 4 | 50 | 31 |
| CONTLUNI003 |  | NTNXKB-A | on | 1 | 10.68.68.89/22 | 4 | 8 | 30 | 5 |
| CONTLWPKB002 |  | NTNXKB-C | off | 1 |  | 2 | 4 | 80 | 16 |
| CONTLWPKB002 |  | NTNXKB-B | on | 1 | 10.68.68.170/22,fe80::250:56ff:fe90:818a/64 | 2 | 4 | 80 | 16 |
| CONTMLPC001 |  | NTNXKB-C | on | 1 | 10.68.68.94/24,fe80::250:56ff:fe90:399d/64 | 4 | 12 | 570 | 236 |
| CONTMPVS713 |  | NTNXKB-D | on | 1 | fe80::e8ff:9487:1ca7:3dc2/64,10.68.68.131/22 | 4 | 4 | 50 | 16 |
| CONTCLNS001 |  | NTNXKB-C | on | 2 | 10.68.250.21/24,fe80::250:56ff:fe90:4643/64 | 2 | 2 | 20 | 16 |
| CONTLFND001 |  | NTNXKB-A | on | 1 |  | 2 | 3 | 30 | 27 |
| CONTVCSA002 |  | NTNXKB-A | on | 1 | 10.68.68.50/20 | 4 | 16 | 159 | 9 |