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# 1. Deployment Summary

**Company:**

Acme Corp

**Collectors:**

DataCenter1

**vSphere Datacenters:**

VDI

<table>
<thead>
<tr>
<th>PRODUCT</th>
<th>VERSION</th>
<th>INVENTORY</th>
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</table>
| VMware vCenter Server  
* vcsa01.acmecorp.com | 6.5.0 build-7515524 |  
StoragePod: 7  
ClusterComputeResource: 5  
Datastore: 107  
VmwareDistributedVirtualSwitch: 2  
Network: 2  
Datacenter: 1  
HostSystem: 37  
ServiceInstance: 1  
ResourcePool: 5  
Folder: 358  
DistributedVirtualPortgroup: 82  
VirtualMachine: 1146 |
| NSX Manager  
* nsx01.acmecorp.com | 6.3.2 build-5672532 |  
ClusterComputeResource: 5  
hostStatus: 39  
nsxmanager: 1  
vcenter: 1 |
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<td>Edge: 4</td>
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<td>VirtualWire: 9</td>
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2. Recommendation Summary

The following products were evaluated:

- **VMware vCenter Server**
  - Critical: 13
  - Moderate: 4
  - Trivial: 3
  - Total: 20

- **NSX Manager**
  - Critical: 1
  - Moderate: 0
  - Trivial: 0
  - Total: 1

### Critical
Specific items of concern that require immediate attention.

### Moderate
Items of potential concern noted. The items are either non-critical, or require further investigation.

### Trivial
Deviation from best practices noted, but addressing these may not be an immediate priority.
### 3. Compute

<table>
<thead>
<tr>
<th>Finding ID</th>
<th>Priority</th>
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<tbody>
<tr>
<td>ESXi65DiagnosticInfREQ520Rule</td>
<td>CRITICAL</td>
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<tr>
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<th>Number of Findings</th>
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<tbody>
<tr>
<td>4/2/2018</td>
<td>vcsa01.acmecorp.com: 2</td>
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#### Issue Description

ESXi 6.5 host fails with purple diagnostic screen when collecting diagnostic information.

#### Recommendations

- *This issue is resolved in ESXi 6.5 U1*
- [https://kb.vmware.com/s/article/2148927](https://kb.vmware.com/s/article/2148927)

#### Notes

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<table>
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<th>Finding ID</th>
<th>Priority</th>
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<td>EsxRemoteSysLogRule</td>
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<tbody>
<tr>
<td>4/2/2018</td>
<td>vcsa01.acmecorp.com: 3</td>
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</table>

### Issue Description

Remote logging both persistently on each host and to a central host (syslog server) can greatly improve administration and management. By making files available when needed and gathering files on a central server, you can easily monitor all hosts and perform event correlation, aggregate analysis, and make root cause analysis easier for troubleshooting.

### Recommendations

- *Use persistent and remote syslog logging to improve manageability.*

### Notes

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<thead>
<tr>
<th>Finding ID</th>
<th>Priority</th>
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<td>VmvMotionErrorREQ683Rule</td>
<td>CRITICAL</td>
<td>vcsa01.acmecorp.com: 12</td>
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</table>

**Date Actioned**
4/2/2018

**Issue Description**
Virtual machine may crash after migrating it using vMotion from ESXi 5.x to ESXi 6.0.x.

**Recommendations**
- *This issue is resolved in ESXi 6.0 Patch Release ESXi600-201611001*
- [https://kb.vmware.com/s/article/2146748](https://kb.vmware.com/s/article/2146748)

**Notes**
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## Issue Description

Having consistent and uniform versions or version families of ESXi within a cluster allows for easier management and helps to make troubleshooting easier by minimizing the number of variables. Maintaining a compatible version family of ESXi servers allows the use of features like vSphere vMotion, VMware vSphere Distributed Resource Scheduler, and vSphere FT.

References:

VMware SiteSurvey

### Recommendations

- *Maintain a similar version of ESXi within a cluster.*

### Notes

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<table>
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<tr>
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<td>RHELDmiencodelssueREQ340Rule</td>
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## Issue Description

Running the dmidecode command on Redhat Enterprise Linux virtual machines returns more CPUs than what is provisioned.

## Recommendations

- This issue is resolved in ESXi 6.5
- [https://kb.vmware.com/s/article/2120256](https://kb.vmware.com/s/article/2120256)

## Notes

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<td>VMwareToolsInstallationREQ1355Rule</td>
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<td>vcsa01.acmecorp.com: 12</td>
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</table>

## Issue Description

Cannot end VMware Tools installation after upgrading to VMware ESXi 5.x and 6.0.

## Recommendations

- *This issue is resolved in:* ESXi 5.5 - ESXi550-201501001 / ESXi 6.0-ESXi600-201608001
- [https://kb.vmware.com/s/article/2083169](https://kb.vmware.com/s/article/2083169)

## Notes

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## 4. Networking

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<td>CNAFCoELinksDownREQ512Rule</td>
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<tbody>
<tr>
<td>4/2/2018</td>
<td>vcsa01.acmecorp.com: 12</td>
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</table>

### Issue Description

Running the `vm-support` command causes CNA FCoE links to be down in ESXi 5.1, 5.5 and 6.0 host.

### Recommendations

- *For ESXi 6.0 - This issue is resolved in ESXi 6.0 Patch 3. For ESXi 5.5 - This issue is resolved in ESXi 5.5 Update 3.*
- [https://kb.vmware.com/s/article/2142226](https://kb.vmware.com/s/article/2142226)

### Notes

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### Issue Description

DLR takes 1 to 1.5 secs for ARP resolution.

### Recommendations

- Fixed in 6.2.9 and 6.3.5
- [https://kb.vmware.com/s/article/2151374](https://kb.vmware.com/s/article/2151374)

### Notes

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### Finding ID
VCenterPerformanceNetworkREQ6Rule

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<tr>
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### Priority
MODERATE

### Issue Description
vCenter Server 5.1/5.5/6.0 performance charts report dropped network packets.

### Recommendations
- *This issue is resolved in:* ESXi 5.5, Patch ESXi550-201312401-BG / ESXi 6.0, Patch Release ESXi6.0.0-20160804001
- [https://kb.vmware.com/s/article/2052917](https://kb.vmware.com/s/article/2052917)

### Notes
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## 5. Storage

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<td>MSCSClusterFailPSODREQ124Rule</td>
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<tbody>
<tr>
<td>4/2/2018</td>
<td>vcsa01.acmecorp.com: 12</td>
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### Issue Description

Configuring MSCS cluster VMs in ESXi 6.x hosts fails with the PSOD.

### Recommendations

- This issue is resolved in VMware ESXi 6.0, Patch Release ESXi600-201711001
- [https://kb.vmware.com/s/article/2150353](https://kb.vmware.com/s/article/2150353)

### Notes

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<td>ChangeStoragePolicyREQ1405Rule</td>
<td>LOW</td>
<td>vcsa01.acmecorp.com: 14</td>
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## Issue Description

Changing the Storage Policy of a VM fails with error: "The scheduling parameter change failed".

## Recommendations

- The issue is resolved with ESXi 6.0 U3a and 6.5 U1.
- [https://kb.vmware.com/s/article/2148490](https://kb.vmware.com/s/article/2148490)

## Notes

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Finding ID
DatastoreVMFSCapacityREQ611Rule

Date Actioned
4/2/2018

Priority
MODERATE

Number of Findings
vcsa01.acmecorp.com: 1

Issue Description

Troubleshooting a datastore or VMFS volume that is full or near capacity.

Recommendations

- To address a datastore that is running out of capacity you can extend the datastore, or delete old/stale files to free up space. For more information see the following KB.
  - [https://kb.vmware.com/s/article/1003412](https://kb.vmware.com/s/article/1003412)

Notes

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6. Meeting Notes

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