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# VMware vSphere Health

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# vSphere Health 6.7 U1

The screenshot displays the vSphere Client interface for a host named 'sc2-rdops-vm01-dhcp-37-13.eng.vmware.com'. The 'Monitor' tab is active, showing a 'Health' section with a list of checks. A 'RETEST' button is visible in the top right of the health section. Below the health checks, there is a 'Recent Tasks' table.

**Health (Last checked: Feb 8, 2019, 2:47:16 PM)**

- Online health
  - Customer experience improvement program (CEIP)
  - Online health connectivity
  - 28 Online health checks performed successfully
  - ESXi with bnx2x driver version 2.713.30.v60.5 or below
  - Concurrent-context attack vector vulnerability in Intel processors
  - Disk space check for VMware vCenter Server Appliance
  - Disk space check for historical data
  - ESXi system logs on vSAN datastore
  - ESXi with bnx2x driver version 2.712.70.v60.3
  - ESXi with bnx2x driver version 2.712.70.x.3
  - vMotion network configuration check for vSphere Distributed Switch
  - ESXi with bad brcmfcoe or lpfc driver versions

**Recent Tasks**

| Task Name               | Target                   | Status    | Initiator                  | Queued For | Start Time             | Completion Time        | Server                       |
|-------------------------|--------------------------|-----------|----------------------------|------------|------------------------|------------------------|------------------------------|
| Check new notifications | sc2-rdops-vm01-dhcp-3... | Completed | VMware vSphere Update M... | 105 ms     | 02/08/2019, 3:04:01 PM | 02/08/2019, 3:04:01 PM | sc2-rdops-vm01-dhcp-37-13... |

# Customer Experience Improvement Program - CEIP

**VMware's Customer Experience Improvement Program ("CEIP")** provides information that helps VMware to improve our products and services, fix problems and advise you on how best to deploy and use our products.

Configuration  
Data

Feature  
Usage Data

Performance  
Data

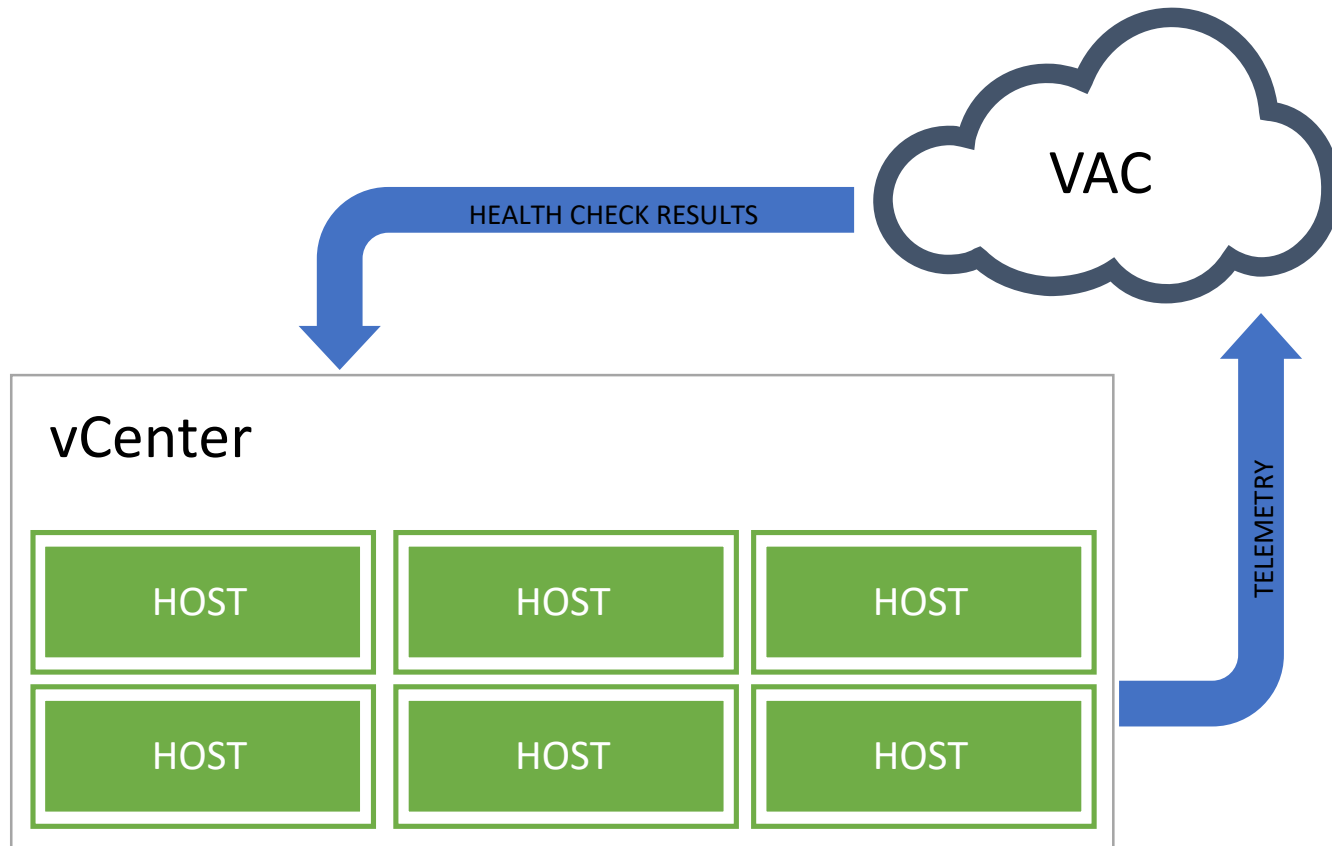
Product Log  
Data

VMware safeguards  
the collected data

No customer  
workload content

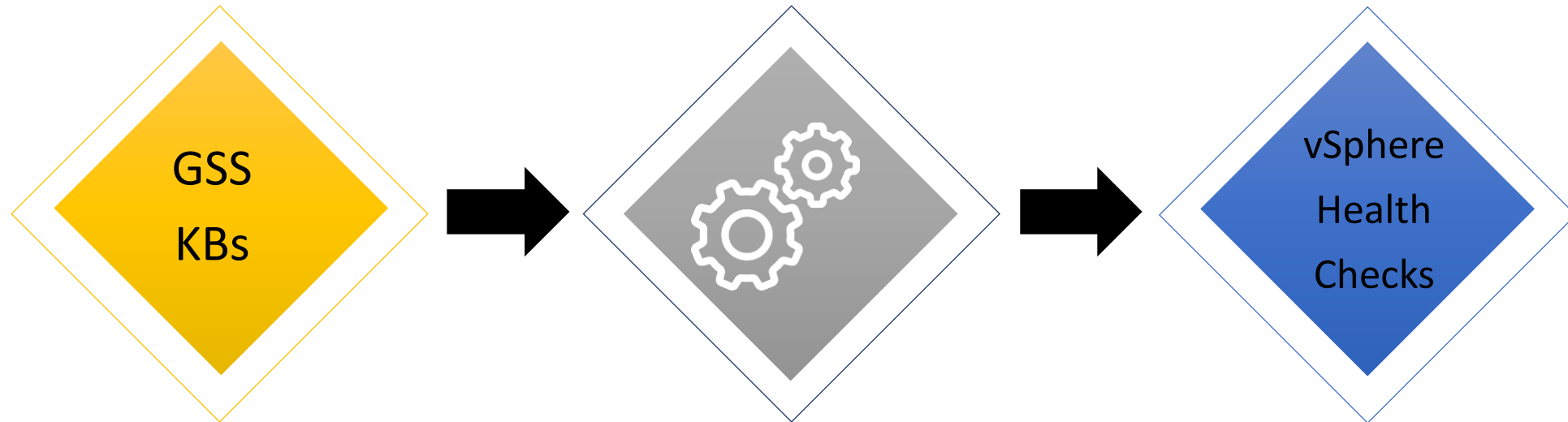
Not used for  
marketing

# vSphere Health Basics



- vSphere telemetry data is collected and analyzed for stability and incorrect configurations.
- vSphere Health identifies potential issues before they have an impact to your environment.
- These issues are reported under vSphere Health and resolution recommendations are provided.
- It enables VMware to enhance the issue detection without updating the vSphere installation.
- Available from 6.7 release.

# vSphere Health KB Implementation



- KB articles are carefully selected and processed based on various criteria including page views and associated support requests.

# What's Next in 6.7 U2: Alarms

The screenshot displays the vSphere Client interface for a vCenter environment. A prominent yellow banner with a warning icon and the text "vSphere Health detected new issues in your environment" is circled in blue. The banner includes "Acknowledge" and "Reset To Green" links. The interface shows resource usage for CPU (19.09 GHz free, 88 MHz used), Memory (15.41 GB free, 2.59 GB used), and Storage (52.44 GB free, 11.06 GB used). Below the banner, there are sections for "Attribute", "Assigned Tag", "Version Information", and "vCenter HA". At the bottom, a "Recent Tasks" table is visible with columns for Task Name, Target, Status, Initiator, Queued For, Start Time, Completion Time, and Server.

| Task Name           | Target | Status | Initiator | Queued For | Start Time | Completion Time | Server |
|---------------------|--------|--------|-----------|------------|------------|-----------------|--------|
| No items to display |        |        |           |            |            |                 |        |

- The alarms are generated when a new issue is detected.
- The alarms are shown on a VC level.

# What's Next in 6.7 U2: Categories

The screenshot shows the vSphere Client interface for a host named 'sc-rdops-vm11-dhcp-87-173.eng.vmware.com'. The 'Monitor' tab is active, displaying a list of health checks. A blue oval highlights the 'Compute Health Checks' category, which includes two items: 'Concurrent-context attack vector vulnerability in Intel processors' (with a yellow warning icon) and 'Sequential-context attack vector vulnerability in Intel processors' (with a green checkmark icon). Other categories visible include 'Online Health Availability' (green checkmark), 'Network Health Checks' (yellow warning icon), and 'Storage Health Checks' (green checkmark). The 'Network Health Checks' section lists several items, all with green checkmarks, such as 'ESXi with bnx2x driver version 2.712.70.v60.5 or below', 'ESXi with bnx2x driver version 2.712.70.v60.3', 'ESXi with bnx2x driver version 2.712.70.x.3', 'vMotion network configuration check for vSphere Distributed Switch', and 'vMotion network configuration check for vSphere Standard Switch'. At the bottom, there is a 'Recent Tasks' table with columns for Task Name, Target, Status, Initiator, Queued For, Start Time, Completion Time, and Server. The table is currently empty.

- Categories are introduced to group the health checks.



# vSphere Health Resources

## vSphere Online Health Blogs

- What's New in vCenter Server 6.7 Update 1
  - <http://emadyounis.com/whats-new-in-vcenter-server-6-7-update-1/>
- Health Checks – Delivering a more Intelligent vSAN and vSphere
  - <https://blogs.vmware.com/virtualblocks/2018/11/29/health-checks-delivering-a-more-intelligent-vsan-and-vsphere/>
- Dynamic vSphere Health Checks in vSphere 6.7+
  - <https://www.virtuallyghetto.com/2019/01/dynamic-vsphere-health-checks-in-vsphere-6-7.html>
- Understanding vSphere Health
  - <https://blogs.vmware.com/vsphere/2019/01/understanding-vsphere-health.html>

## vSphere Health Documentation

- Monitoring vSphere Health
  - <https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.monitoring.doc/GUID-F957C1BB-A032-4648-9310-68A94733ABC8.html>

# Q&A