Exécuter l'outil Hyperflex Health and Pre-upgrade Check Tool

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Introduction

Ce document décrit le processus d'exécution de l'outil Hypercheck Health and Pre-upgrade.

Conditions préalables

Exigences

Cisco recommande que vous ayez une connaissance de ce sujet :

- Hyperflex

Composants utilisés

Les informations contenues dans ce document sont basées sur l'outil Hypercheck Health and Pre-upgrade.

The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. Si votre réseau est en ligne, assurez-vous de bien comprendre l’incidence possible des commandes.

Informations générales

Cet outil est un utilitaire qui effectue des auto-contrôles proactifs sur les systèmes Hyperflex afin de garantir leur stabilité et leur résilience. Il permet d'automatiser une liste de vérifications d'intégrité et de pré-mise à niveau sur les systèmes Hyperflex afin de gagner du temps lors des opérations de mise à niveau et de maintenance d'Hyperflex.



Remarque : Téléchargez toujours la dernière version de l'outil avant de l'utiliser. Comme l'outil est fréquemment amélioré, l'utilisation d'une version antérieure peut entraîner l'absence de vérifications importantes.

Systèmes HX pris en charge

- Versions Hyperflex : 1.8, 2.0, 2.1, 2.5, 2.6, 3.0, 3.5, 4.0, 4.5, 5.0, 5.5
- Cluster Hyperflex Standard
- Cluster Hyperflex Stretched
- Cluster de périphérie Hyperflex (2 noeuds, 3 noeuds et 4 noeuds)
- Prise en charge uniquement sur le cluster Hyperflex sur VMWare ESXi

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Remarque : Pour plus d'informations sur la façon d'exécuter Hypercheck sur le cluster Hyperflex HyperV, référez-vous à Hypercheck : Hyperflex Health & Pre-Upgrade Check Tool - HyperV.

Cas d’utilisation

Les délais d'utilisation de l'outil Hyperflex Health and Pre-upgrade check sont les suivants :

- Avant les mises à niveau Hyperflex
- Vérification de l'intégrité Hyperflex avant et après les fenêtres de maintenance
- Afin d'identifier les lecteurs/disques défaillants
- Lorsque vous travaillez avec le TAC Cisco
- Contrôle d'intégrité proactif à tout moment

Marche à suivre

HX versions 4.5 et ultérieures

Étape 1. Initiez une connexion SSH à la machine virtuelle du contrôleur de stockage (SCVM) à l'aide de l'adresse IP de gestion de cluster (CMIP), qui est votre adresse IP HX-connect.

Étape 2. Exécutez la commande hypercheck .

```
admin:~$ hypercheck
```

Étape 3. Entrez le mot de passe admin SCVM lorsque vous y êtes invité et entrez le mot de passe racine de l'ESXi.

```
admin:~$ hypercheck

                  HX Health Check 4.5.0

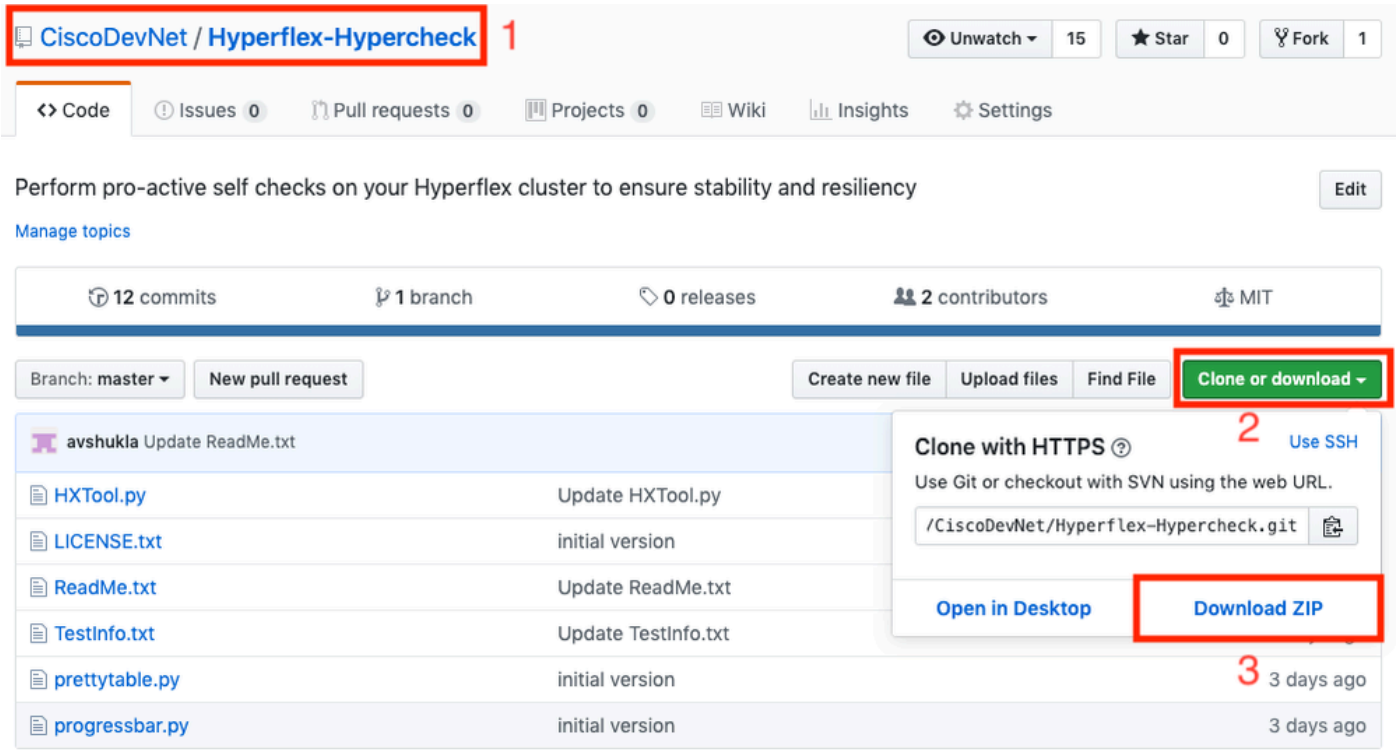
Please enter below info of HX-Cluster:
Enter the HX-Cluster Root Password:
Enter the HX-Cluster Admin Password:
Enter the ESX Root Password:
```

HX versions 4.0 et antérieures

Étape 1. TéléchargezHyperflex-Hypercheck.zipà partir du compte devnet github Cisco. Obtenez la copie la plus récente contenant les dernières améliorations et mises à jour.

Remarque : Seuls les utilisateurs Cisco enregistrés peuvent accéder aux outils, fichiers et informations internes de Cisco.

Remarque : Utilisez uniquement le script téléchargé à partir du compte de périphérique Cisco github.



Étape 2. Téléchargez-la sur le SCVM avec le CMIP.

Utilisez la méthode de votre choix -scp/sftp/ftp/tftp- Afin de copier leHyperflex-Hypercheck.zipdans le/tmprépertoire.

Pour MAC :

Exécutez la SCP à partir de l'interface de ligne de commande (vérifiez que leHyperflex-Hypercheck.zipse trouve dans le même dossier à partir duquel vous exécutez la SCP).

 # scp Hyperflex-Hypercheck.zip root@

:/tmp/

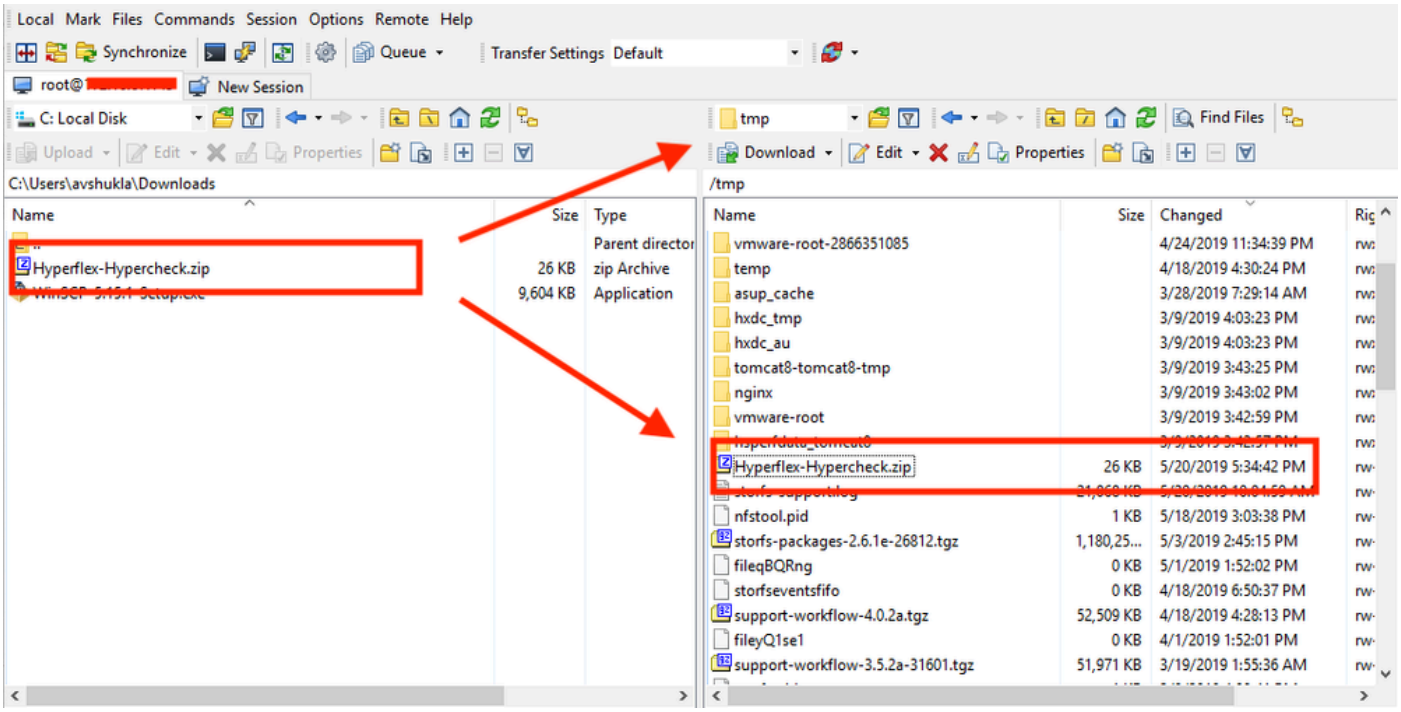
.

Utilisez ceci afin d'identifier l'IP de gestion de cluster dans votre environnement HX - [guide Hyperflex](#).

```
AVSHUKLA-M-Q13M:Downloads avshukla$ scp Hyperflex-Hypercheck.zip root@[redacted]:/tmp/
  HyperFlex StorageController 3.5(2a)
root@[redacted]'s password:
Hyperflex-Hypercheck.zip                                      100%   26KB 107.4KB/s   00:00
AVSHUKLA-M-Q13M:Downloads avshukla$
AVSHUKLA-M-Q13M:Downloads avshukla$
```

Pour Windows :

Vous pouvez utiliserWINSCPafin de transférer les fichiers comme indiqué ici :



Étape 3. Extrayez le contenu deHyperflex-Hypercheck.zip.

Tapezcd /tmpafin de passer au/tmprépertoire.

```
root@SpringpathController7PVQWP6WV1:~# cd /tmp/
```

Tapez unzip Hyperflex-Hypercheck.zip afin d'extraire les fichiers.

```
root@SpringpathController7PVQWP6WV1:/tmp# unzip Hyperflex-Hypercheck.zip
Archive:  Hyperflex-Hypercheck.zip
b61c59f7962b72902692ce70548ba3d760efdf06
   creating: Hyperflex-Hypercheck/
  inflating: Hyperflex-Hypercheck/HXTool.py
  inflating: Hyperflex-Hypercheck/LICENSE.txt
  inflating: Hyperflex-Hypercheck/ReadMe.txt
  inflating: Hyperflex-Hypercheck/TestInfo.txt
  inflating: Hyperflex-Hypercheck/prettytable.py
  inflating: Hyperflex-Hypercheck/progressbar.py
root@SpringpathController7PVQWP6WV1:/tmp#
```

Étape 4 : exécution du script HXTool Python

Tapez **cd Hyperflex-Hypercheck** afin de naviguer vers leHyperflex-Hypercheckrépertoire.

```
root@SpringpathControllerABCDE01234:/tmp# cd Hyperflex-Hypercheck
```

Tapez python HXTool.pyafind'exécuter le script.

```
root@SpringpathControllerABCDE01234:/tmp/Hyperflex-Hypercheck# python HXTool.py
```

Étape 5. Entrez le mot de passe racine SCVM lorsque vous y êtes invité.

```
Enter this information of HX-Cluster:
Enter the HX-Cluster Root Password:
Enter the ESX Root Password:
```



Remarque : Afin d'arrêter l'exécution du script, utilisez la touche (CTRL+Z) et il s'arrête immédiatement.

Étape 6. L'outil Hyperflex-Hypercheck commence ses vérifications. Il faut environ 3 à 10 minutes

pour que l'exécution se termine, ce qui dépend du nombre de noeuds convergents dans le cluster.

Étape 7. Obtenez un rapport des résultats du script. Vous pouvez le recevoir comme indiqué :

Le fichier Hypercheck Report tar est enregistré sous/var/log/springpathet/tmp/Hyperflex-Hypercheck. Ainsi, vous pouvez télécharger le bundle tar depuis under/var/log/springpathou/tmp/Hyperflex-Hypercheck. Alternativement, vous pouvez simplement générer et télécharger un bundle de support storfs qui contient également le tar du rapport hypercheck.

Exemple de fichier tar de rapport -HX_Report_2020_08_30_10_43_50.tarest copié vers le chemin : /var/log/springpath.

Tapezls -l | grep HX_Reportafin de passer en revue les fichiers créés par l'outil Hyperflex-Hypercheck.

```
Under /var/log/springpath,

root@SpringpathControllerABCDE01234:/var/log/springpath# ls -l | grep HX_Report
-rw-r--r-- 1 root root 380K Sep 23 15:41 HX_Report_2020_08_30_10_43_50.tar
root@SpringpathControllerABCDE01234:/var/log/springpath#

Under /tmp/Hyperflex-Hypercheck,

root@SpringpathControllerABCDE01234:/tmp/Hyperflex-Hypercheck# ls
HX_Report_2020_08_30_10_43_50.tar prettytable.py HX_Report_2020_08_30_10_43_50 TestInfo.txt progressbar
HXTool.py prettytable.pyc ReadMe.txt progressbar.pyc LICENSE.txt
root@SpringpathControllerABCDE01234:/tmp/Hyperflex-Hypercheck#
```

Fichiers et journaux du bundle de journaux Hypercheck :

```
root@SpringpathControllerABCDE01234:/tmp/Hyperflex-Hypercheck# ls HX_Report_2020_08_30_10_43_50/
HX_Tool_2020-08-30_10-43-50.log
HX_Tool_Main_Report_2020-08-30_10-54-34.txt
HX_Tool_Summary.json
```

Étape 8. Exportez leHX_YYYY_MM_DD_HH_MM_SS.taret partagez-le avec le TAC.

Utilisez la méthode de votre choix afin d'exporter les journaux Hypercheck avec l'utilisation descp/sftp/ftp/tftpdepuis le SCVM ou vous pouvez simplement télécharger le bundle de support storfs

qui contient le bundle tar HX_Report.

Comprendre les résultats/contrôles effectués

Contrôles effectués par Hypercheck

Ces vérifications sont effectuées par l'outil Hyperflex-Hypercheck :

<#root>

Hyperflex Checks:

(Below checks are performed on all the storage controller VMs)

Cluster services check

- Verifies the status of storfs, stMgr and stNodeMgr services

Enospc state check

- Checks if the cluster space usage is above the warning threshold or no

Zookeeper check

- Checks whether the Zookeeper is running or no

Exhibitor check

- Verfies the status of the Exhibitor service which manages the ZK

System Disks Usage

- Checks if /sda1, var/stv and /var/zookeeper is less than 80%

HDD health check

- Reports if you have any blacklisted disk in your cluster

DNS check

- Checks whether DNS is configured and reachable

vCenter reachability check

- Checks whether the vCenter is reachable on the required ports

Timestamp check

- Checks if all the controller VMs have the exact same time

NTP sync check

- Checks whether NTP is reachable from the storage controller VMs and synced

Check package & versions -

Checks for packages and versions on Storage Controller VMs

Check Iptables count

- Checks for Iptables count on and ensure it is same on all Storage Controller VMs.

Extra pnodes check

- Looks for any extra/duplicate pnode entries in the cluster

Out of memory check

- Checks through the log files if the cluster had any oom event

Supported vSphere versions

- Shows all the vSphere Versions supported with your current HXDP version

Permissions for /tmp

- Checks if the /tmp permissions are set correctly

Check Cluster Policy

- Checks the Configured Cluster Policy

Check springpath_keystore.jceks file

- Check if All the SCVM have same keystore file

SED Capable

- Checks if the cluster is SED Capable

SED Enabled

- Checks if Encryption is enabled in the Cluster

USB-0 Check

- If Encryption is enabled, Checks that USB0 interface is present on all the SCVMs

SED 5100/5200

Drive Check - If we have Micron SED 5100 drives and version is below 3.5.2b, we wont be able to replac

Disk Lock Check

- If Encryption is enabled, Checks for any Locked drives

Network Checks

- Checks the connectivity in Storage network

Check ZK-Cleanup-Script

- Checks to identify ZKTxnCleanUp Script

Replication Checks

- If replication is enabled, we check the local and remote network connectivity (HX 4.5 Only)

Stretched Cluster Checks

- Checks the latency between the sites and the witness VM (HX 4.5 Only)

ESXi Checks:

(Below checks are performed on each ESXI node)

HX User Account check

- Verifies if the HXUser is created on all the esxi hosts and has admin rights

vMotion enabled check

- Checks if the vMotion network is confirgued

Check for ESXI Failback timer

- Check for ESXi Failback timer on ESXi host

Check connectivity between vmk1 and eth1

- Checks the connectivity between the Mgmt and Storage network

No extra controller vm folders check

- Checks for duplicate Controller SCVM Folders

VMware Tools location check

- Checks for Non default VMware Tools location

vfat Disk Usage check

- Checks for vfat Disk Usage

Check /tmp usage

- Checking for /tmp usage

Compute Node Checks

- All the ESXI checks are also performed on Compute nodes (HX 4.5 Only)

Exemple de sortie Hypercheck d'un cluster étendu à 4 noeuds

```
Enter this information of HX-Cluster:
Enter the HX-Cluster Root Password:
```

```
Enter the ESX Root Password:

Cluster Name: HX-10-Stretched
 Site-100
 Site-97

Cluster Type: STRETCH_CLUSTER

SSH connection established to HX Node: 192.168.53.135
SSH connection established to HX Node: 192.168.53.136
SSH connection established to HX Node: 192.168.53.137
SSH connection established to HX Node: 192.168.53.138

HX Cluster Nodes:
+-------+--------------+--------------------------------+
| Nodes | IP Address   | HostName                       |
+-------+--------------+--------------------------------+
| 1     | 10.39.53.134 | SpringpathControllerOHCWUK9X3N |
+-------+--------------+--------------------------------+
| 2     | 10.39.53.135 | SpringpathController37MHMEIBCY |
+-------+--------------+--------------------------------+
| 3     | 10.39.53.136 | SpringpathControllerDWRWWIBFLF |
+-------+--------------+--------------------------------+
| 4     | 10.39.53.137 | SpringpathControllerWB4UNXDKX3 |
+-------+--------------+--------------------------------+

SSH connection established to ESX Host: 10.39.53.133
SSH connection established to ESX Host: 10.39.53.130
SSH connection established to ESX Host: 10.39.53.132
SSH connection established to ESX Host: 10.39.53.131

HX Controller: 192.168.53.135
Cluster services check      [########################] COMPLETED
ZooKeeper & Exhibitor check [########################] COMPLETED
HDD health check            [########################] COMPLETED
Pre-Upgrade Check           [########################] COMPLETED
Network check               [########################] COMPLETED

HX Controller: 192.168.53.136
Cluster services check      [########################] COMPLETED
ZooKeeper & Exhibitor check [########################] COMPLETED
HDD health check            [########################] COMPLETED
Pre-Upgrade Check           [########################] COMPLETED
Network check               [########################] COMPLETED

HX Controller: 192.168.53.137
Cluster services check      [########################] COMPLETED
ZooKeeper & Exhibitor check [########################] COMPLETED
HDD health check            [########################] COMPLETED
Pre-Upgrade Check           [########################] COMPLETED
Network check               [########################] COMPLETED

HX Controller: 192.168.53.138
Cluster services check      [########################] COMPLETED
ZooKeeper & Exhibitor check [########################] COMPLETED
HDD health check            [########################] COMPLETED
Pre-Upgrade Check           [########################] COMPLETED
Network check               [########################] COMPLETED


HX Controller: 192.168.53.135
Test Summary:
```

Name	Result	Comments
Cluster services check	PASS	Checks storfs, stMgr, sstNodeMgr service running or
Enospc state check	PASS	Checks if the cluster storage utilization is above
Zookeeper check	PASS	Checks if Zookeeper service is running.
Exhibitor check	PASS	Checks if Exhibitor in running.
System Disks Usage	PASS	Checks if /sda1, var/stv and /var/zookeeper is less
HDD Health check	PASS	Checks if any drive is in blacklisted state.
DNS check	PASS	Checks if configured DNS is reachable.
vCenter reachability check	PASS	Checks if vCenter is network reachable using PING.
Timestamp check	PASS	Checks if the timestamp is same across all Nodes.
NTP sync check	PASS	Checks if the NTP is synced with NTP server.
Check package & versions	PASS	Checks for count and version of HX packages on each
Check Iptables count	PASS	Checks if the IP Table count matches on all nodes.
Extra pnodes check	PASS	Checks for any stale Node entry.
Memory usage check	PASS	Checks for available memory more than 2GB.
Incidence of OOM in the log file	PASS	Checks for any previous incidence of Out Of Memory
Supported vSphere versions	6.0.0-U3 6.5.0-U1 6.5.0-U2 6.5.0-U3 6.7.0-UGA 6.7.0-U1 6.7.0-U2 6.7.0-U3	Prints the supported ESXi versions.
Check permissions for /tmp	PASS	Checks if the /tmp permissions are set correctly.
Check Cluster Policy	Lenient	Checks the Configured Cluster Policy
Check springpath_keystore.jceks file	PASS	All the SCVM have same keystore file.
SED Capable	NO	Checks if the cluster is SED Capable.
Check Witness Reachability	PASS	Checks Witness VM IP address is reachabile.
Check ZK-Cleanup-Script	PASS	Checks to identify ZKTxnCleanUp Script.

HX Controller: 192.168.53.136
Test Summary:

Name	Result	Comments
Cluster services check	PASS	Checks storfs, stMgr, sstNodeMgr service running or

| Enospc state check | PASS | Checks if the cluster storage utilization is above
| Zookeeper check | PASS | Checks if Zookeeper service is running.
| Exhibitor check | PASS | Checks if Exhibitor in running.
| System Disks Usage | PASS | Checks if /sda1, var/stv and /var/zookeeper is less
| HDD Health check | PASS | Checks if any drive is in blacklisted state.
| DNS check | PASS | Checks if configured DNS is reachable.
| vCenter reachability check | PASS | Checks if vCenter is network reachable using PING.
| Timestamp check | PASS | Checks if the timestamp is same across all Nodes.
| NTP sync check | PASS | Checks if the NTP is synced with NTP server.
| Check package & versions | PASS | Checks for count and version of HX packages on each
| Check Iptables count | PASS | Checks if the IP Table count matches on all nodes.
| Extra pnodes check | PASS | Checks for any stale Node entry.
| Memory usage check | PASS | Checks for available memory more than 2GB.
| Incidence of OOM in the log file | PASS | Checks for any previous incidence of Out Of Memory
| Supported vSphere versions | 6.0.0-U3
6.5.0-U1
6.5.0-U2
6.5.0-U3
6.7.0-UGA
6.7.0-U1
6.7.0-U2
6.7.0-U3 | Prints the supported ESXi versions.
| Check permissions for /tmp | PASS | Checks if the /tmp permissions are set correctly.
| Check Cluster Policy | Lenient | Checks the Configured Cluster Policy
| Check springpath_keystore.jceks file | PASS | All the SCVM have same keystore file.
| SED Capable | NO | Checks if the cluster is SED Capable.
| Check Witness Reachability | PASS | Checks Witness VM IP address is reachabile.
| Check ZK-Cleanup-Script | PASS | Checks to identify ZKTxnCleanUp Script.

HX Controller: 192.168.53.137
Test Summary:

| Name | Result | Comments
| Cluster services check | PASS | Checks storfs, stMgr, sstNodeMgr service running or
| Enospc state check | PASS | Checks if the cluster storage utilization is above
| Zookeeper check | PASS | Checks if Zookeeper service is running.
| Exhibitor check | PASS | Checks if Exhibitor in running.

System Disks Usage	PASS	Checks if /sda1, var/stv and /var/zookeeper is less
HDD Health check	PASS	Checks if any drive is in blacklisted state.
DNS check	PASS	Checks if configured DNS is reachable.
vCenter reachability check	PASS	Checks if vCenter is network reachable using PING.
Timestamp check	PASS	Checks if the timestamp is same across all Nodes.
NTP sync check	PASS	Checks if the NTP is synced with NTP server.
Check package & versions	PASS	Checks for count and version of HX packages on each
Check Iptables count	PASS	Checks if the IP Table count matches on all nodes.
Extra pnodes check	PASS	Checks for any stale Node entry.
Memory usage check	PASS	Checks for available memory more than 2GB.
Incidence of OOM in the log file	PASS	Checks for any previous incidence of Out Of Memory
Supported vSphere versions	6.0.0-U3 6.5.0-U1 6.5.0-U2 6.5.0-U3 6.7.0-UGA 6.7.0-U1 6.7.0-U2 6.7.0-U3	Prints the supported ESXi versions.
Check permissions for /tmp	PASS	Checks if the /tmp permissions are set correctly.
Check Cluster Policy	Lenient	Checks the Configured Cluster Policy
Check springpath_keystore.jceks file	PASS	All the SCVM have same keystore file.
SED Capable	NO	Checks if the cluster is SED Capable.
Check Witness Reachability	PASS	Checks Witness VM IP address is reachabile.
Check ZK-Cleanup-Script	PASS	Checks to identify ZKTxnCleanUp Script.

HX Controller: 192.168.53.138
Test Summary:

Name	Result	Comments
Cluster services check	PASS	Checks storfs, stMgr, sstNodeMgr service running or
Enospc state check	PASS	Checks if the cluster storage utilization is above
Zookeeper check	PASS	Checks if Zookeeper service is running.
Exhibitor check	PASS	Checks if Exhibitor in running.
System Disks Usage	PASS	Checks if /sda1, var/stv and /var/zookeeper is less
HDD Health check	PASS	Checks if any drive is in blacklisted state.

DNS check	PASS	Checks if configured DNS is reachable.
vCenter reachability check	PASS	Checks if vCenter is network reachable using PING.
Timestamp check	PASS	Checks if the timestamp is same across all Nodes.
NTP sync check	PASS	Checks if the NTP is synced with NTP server.
Check package & versions	PASS	Checks for count and version of HX packages on each
Check Iptables count	PASS	Checks if the IP Table count matches on all nodes.
Extra pnodes check	PASS	Checks for any stale Node entry.
Memory usage check	PASS	Checks for available memory more than 2GB.
Incidence of OOM in the log file	PASS	Checks for any previous incidence of Out Of Memory
Supported vSphere versions	6.0.0-U3 6.5.0-U1 6.5.0-U2 6.5.0-U3 6.7.0-UGA 6.7.0-U1 6.7.0-U2 6.7.0-U3	Prints the supported ESXi versions.
Check permissions for /tmp	PASS	Checks if the /tmp permissions are set correctly.
Check Cluster Policy	Lenient	Checks the Configured Cluster Policy
Check springpath_keystore.jceks file	PASS	All the SCVM have same keystore file.
SED Capable	NO	Checks if the cluster is SED Capable.
Check Witness Reachability	FAIL	Checks Witness VM IP address is reachabile.
Check ZK-Cleanup-Script	PASS	Checks to identify ZKTxnCleanUp Script.
Check Disk for SMART Failure.	PASS	Checks disks for SMART Failure.

##

Network check:

##

ESX vmk0: 10.39.53.130, 10.39.53.131, 10.39.53.132, 10.39.53.133

ESX vmk1: 192.168.53.130, 192.168.53.131, 192.168.53.132, 192.168.53.133

SCVM eth0: 10.39.53.134, 10.39.53.135, 10.39.53.136, 10.39.53.137

SCVM eth1: 192.168.53.135, 192.168.53.136, 192.168.53.137, 192.168.53.138

ESX Host: 10.39.53.130

Name	Result	Comments
HX User Account check	PASS	Checks if HXUSER is present.
vMotion enabled check	PASS	Checks if vMotion is enabled on the host.
Check for ESXI Failback timer	PASS	Checks for ESXi FAILBACK timer set to 30000ms.

Check vmk1 ping to eth1	PASS	Checks Network between ESXi vmk1 and SCVM eth1.
No extra controller vm folders check	PASS	Checks for duplicate Controller SCVM Folders.
VMware Tools location check	PASS	Checks for Non default VMware Tools location.
vfat Disk Usage check	PASS	Checks for vfat Disk Usage.
Check /tmp usage	PASS	Checking for /tmp usage.

ESX Host: 10.39.53.131

Name	Result	Comments
HX User Account check	PASS	Checks if HXUSER is present.
vMotion enabled check	PASS	Checks if vMotion is enabled on the host.
Check for ESXI Failback timer	PASS	Checks for ESXi FAILBACK timer set to 30000ms.
Check vmk1 ping to eth1	PASS	Checks Network between ESXi vmk1 and SCVM eth1.
No extra controller vm folders check	PASS	Checks for duplicate Controller SCVM Folders.
VMware Tools location check	PASS	Checks for Non default VMware Tools location.
vfat Disk Usage check	PASS	Checks for vfat Disk Usage.
Check /tmp usage	PASS	Checking for /tmp usage.

ESX Host: 10.39.53.132

Name	Result	Comments
HX User Account check	PASS	Checks if HXUSER is present.
vMotion enabled check	PASS	Checks if vMotion is enabled on the host.
Check for ESXI Failback timer	PASS	Checks for ESXi FAILBACK timer set to 30000ms.
Check vmk1 ping to eth1	PASS	Checks Network between ESXi vmk1 and SCVM eth1.
No extra controller vm folders check	PASS	Checks for duplicate Controller SCVM Folders.
VMware Tools location check	PASS	Checks for Non default VMware Tools location.
vfat Disk Usage check	PASS	Checks for vfat Disk Usage.
Check /tmp usage	PASS	Checking for /tmp usage.

Main Report File: HX_Tool_Main_Report_2020-08-26_09-54-59.txt
Report tar file: HX_Report_2020_08_26_09_43_18.tar
Report file copied to path: /var/log/springpath

Release Notes:
https://www.cisco.com/c/en/us/support/hyperconverged-systems/hyperflex-hx-data-platform-software/product

Upgrade Guides:

```
https://www.cisco.com/c/en/us/support/hyperconverged-systems/hyperflex-hx-data-platform-software/product

Note:
1) If upgrading to HX 4.0(2a), please review the following link and perform workaround – https://tinyurl
2) Please check the status of Compute nodes manually, script only verifies the config on the converged n
3) Hypercheck doesnot perform FAILOVER TEST, so please ensure that the upstream is configured for networ
4) If you have performed any activity on your vcenter(like upgrade, certificate replacement,etc.), it is
```

Analyser les résultats des outils

Étapes suivantes

- L'outil automatise le processus d'exécution des commandes manuelles sur Hyperflex Systems.
- Si l'outil fonctionne OK et donne une PASS sur tous les tests, le système HX est bon pour toutes les vérifications que le script a effectuées.
- Dans les cas où l'outil ÉCHOUE sur certaines vérifications ou ne s'exécute pas correctement, vous pouvez utiliser les commandes CLI (qui sont répertoriées) afin d'effectuer les mêmes vérifications sur Hyperflex System que celles effectuées manuellement par le script.
- L'outil ne vérifie pas les anciennes/nouvelles/ouvertes/résolues et il est donc fortement recommandé de consulter les notes de version et les guides de mise à niveau d'Hyperflex avant toute activité de mise à niveau ou de maintenance.



Remarque : N'ouvrez pas de dossier TAC car l'exécution du script a échoué. Exécutez les commandes manuellement, identifiez le problème et ouvrez une demande de service pour le problème identifié.

Commandes CLI

Sur Hyperflex SCVM :

```
SSH to All Hyperflex SCVMs-

# service_status.sh

# sysmtool --ns cluster --cmd enospcinfo
```

```
# echo srvr | nc 0 2181

# pidof exhibitor

# stcli disk list --ip <Corresponding ESXi Mgmt IP Address> |grep -B 2 -A 8 blacklisted

# stcli services dns show (and ping the IPs listed)

# ping <vCenter IP Address>

# date ; compare the time on all SCVMs. They should ideally be identical

# stcli services ntp show

# stcli cleaner info

# ntpq -p -4

# dpkg -l | grep -i springpath | grep -v storfs-support*

# sysmtool --ns disk --cmd list | grep -i blacklisted

# iptables -L -n | wc -l

# stcli cluster info

# df -h ; check that /var/stv should be less than 80%

# zgrep -i “out of memory” /var/log/springpath/debug-storfs.*

# ping -I eth0 <eth0> of all SCVMs

# ping -I eth1 <eth1> of all SCVMs

# "ls -ld /tmp" check for 775 and 777

# stcli cluster info | grep -i 'clusterAccessPolicy:' | head -1

# md5sum /etc/springpath/secure/springpath_keystore.jceks

# cat /etc/springpath/sed_capability.conf

# cat /etc/springpath/sed.conf

# cat /var/log/springpath/diskslotmap-v2.txt

# stcli cluster info | grep dataZkIp (ping dataZkIp for latency)
```

Sur les systèmes ESXi :

```
SSH to all ESXi hosts

# esxcli system account list

# esxcli network firewall ruleset list | grep -i vMotion
```

```
# esxcli software vib list| egrep -i 'scvm|stHyper|stfs'

# chkconfig --list | grep -E 'ntpd|hostd|vpxa|stHypervisorSvc|scvmclient|hxctlvm'

# esxcfg-vmknic -l ; confirm that vMotion VMK2 is created

# vmkping -I vmk1 <eth1> of all SCVMs

# cd /vmfs/volumes/Springpath-XXXXXXXXXX ; Ensure that it has only one Folder that has the Storage Cont

# df -h | grep vfat  ; Ensure dir has free space
```

Informations connexes

- Assistance technique de Cisco et téléchargements

À propos de cette traduction
Cisco a traduit ce document en traduction automatisée vérifiée par une personne dans le cadre d'un service mondial permettant à nos utilisateurs d'obtenir le contenu d'assistance dans leur propre langue.

Il convient cependant de noter que même la meilleure traduction automatisée ne sera pas aussi précise que celle fournie par un traducteur professionnel.