HyperFlex logs explained

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Introduction

This document will be an inclusive list of which log files should be referenced for various processes and troubleshooting of various issues.

Tip: f you aren't sure what log file to look at, you can do a long listing of all files the log directory and sort by time to see the last logs written to! Use the command **Is -lah.** For live troubleshooting, you may want to run Is -lahtr /var/log/springpath to see which log file was edited most recently at the bottom of the list.

HyperFlex Installation

Topic	Log File	Notes
Troubleshooting GUI	/var/log/springpath/hxinstaller.log	The log contains all of the API's fired from client to server and their payload/responses
Troubleshooting Backend	/var/log/springpath/hxinstaller.log	GO Lang Server

/var/log/springpath/ucs_logs/ucs_automation **UCSM** Failure

Host Related Issues C:\ProgramData\Cisco\HyperFlex\Install\Log Hyper-V

/var/log/hostd.log **ESXi** /var/run/log/vmkernel.log **ESXi**

/var/run/log/scvmclient.log ESXi Datastore mounts

Deploy and

Create/Expand

ESXi Agent Manager

/var/log/tomact7/catalina.out **Failures**

Tomcat logs. Tomcat versions may

differ across versions

Thrift Failures /var/log/springpath/stDeploy.out /var/log/springpath/stBootstrapGuiBackend.log REST Failures /var/log/springpath/springpath_validation.log Validation Services

C:\Program Flles\VMware\vCenter ESXi Agent Manager user fails to

Server\vpxd\scripts log in to VC

HyperFlex Upgrades

Log File **Notes**

/var/log/springpath/stMgr.log Check on all controller VM's when cluster upgrade fails

/var/log/springpath/stUpgradeSvc.log All backend logs /var/log/tomcat7/catalina.out **REST Logs** /var/log/springpath/springpath_validation.log Validations

HyperFlex Bootstrapping

Log File **Notes**

/var/log/springpath/stMgr.log ESXi Cluster /var/log/springpath/stUpgradeSvc.log Hyper-V Cluster

HX Connect

Notes Log File

GUI Logs

All URL requests are logged. To also enable response logging, edit:

/opt/springpath/storfs-mgmt-ui/config/config.json /var/log/springpath/hxmanager.log

LogHttpRequest and/or LogHttpResponse to "true"

restart hxmanager

**remember to turn off, else logging is too verbose

HX & Intersight

Notes Log File

/opt/partner/cisco-hxdc-run/hxdc_current/bin/hxdp Intersight Binary /opt/partner/cisco-hxdc-run/hxdc_current/version **Current Version**

/nfs/system/hx_device_connector/db/connector.db Cloud Connection Information

/var/log/springpath/hx_device_connector.log grep for "HX_PLAT"

Network Logs

Log File Notes

/var/log/springpath/ucs_logs Rack Unit Log

Data Replication

Log File Notes

/var/log/springpath/stDataSvcMgr.log /var/log/springpathdebug-replsvc.log /var/log/springpathdebug-repl-cipmonitor.log /var/log/springpathreplicationNetworkConfig.log /var/log/springpath/debug-storfs.log

Stretch Cluster

Log File Notes

/opt/springpath/config/stretch.tunes Install & Deploy

HX Plugin

Log File Notes

/var/log/vmware/vsphere-client/logs/vsphere_client_virgo.log vCenter Log /var/log/spingpath/stMgr.log STCTL

Audit Logs

Log FileNotes/var/log/springpath/audit-rest.logREST/var/log/vmware-vsphere-client/logs/vsphere_client_virg.logPlugin/var/log/shell.logStcli

Core REST APIs / AAA

Log File Notes

/var/log/nginx/ssl-access.log Nginx

/var/log/tomcat8/catalina.out Tomcat. Tomcat versions may change between HX versions

/var/log/springpath/stMgr.log StMgr /var/log/springpath/hxSvcMgr.log HxSvcMgr

/var/log/springpath/hxHyperVSvcMgr.log HxHyperVSvcMgr

/var/log/springpath/audit-rest.log

/var/log/springpath/aaa.log Debug log of AAA subsystem

ASUP

Log File Notes

/var/log/springpath/asupcl.log

Data at Rest Encryption

/obfl/obfl-log*

Topic	Log File	Notes
ιοριο	Log i lie	Logs the calls that are made from the browser to the
	/var/log/springpath/hxmanager.log	_
REST API's	/var/log/tomcat7/catalina.out	Logs the REST server calls. Tomcat versions may change between HX versions all calls are proxied through NGINX & hxmanager
REOT AT 13	/var/log/springpath/hxmanager.log /varlog/nginx/*.log /etc/nginx/conf.d/springpath.conf /var/log/tomcat7/catalina.out /var/log/tomcat7/* grep SED	(go-server) to actual web-server (ex: tomcat) HX Manager (go-server) Nginx Logs Nginx conf file, look for routings Tomcat Tomcat
	•	REST API Calls stMgr service APIs
SED		
Server/PPP		
	/var/log/springpath/stevents.log	Events that start with Encryption grep for enable-security, modify-security, disable-
	/var/log/springpath/encryption.log	security, secure-drives, rescan-inventory, secure- erase
SED Client		
	/usr/share/springpath/stevents.logs	Reports current SED state (Capable, Enabled, Locked)
.	/var/log/syslog	
Debugging UCSM Logs		
L 090	DME	-Verify that Istoragelocal or IstorageRemote sent as part of OobStorageConfig -Search for "drive security" or "KMIP" to find errors logged in DME code -If using remote policy and OOB CIMC Mgmt IP is
CIMC	BladeAG	configured, make sure ConfigMgmtlpRules stage ran -Search logs after receiving "OobStorageConfigFSM" or "AdminOobStorageConfigFSM" stimulus -Check if route addition failure is reported as part of ConfigMgmtlpRules -Check for XML starting with "lock-operation" in case of Enable/Modify/Disable Unlock Operation -Check for XML starting with "clear-secure-drive", "enable-security-on-jbod", "secure-drive-group", "clear-secure-foreign, config-drive" NOTE: Last 2 XML checks for UCSM specific issues, all are for UCSM and certificate management issues
CHVIC	() () () () ()	

/var/log/messages*

grepping for "storage" extracts the lines written by storaged and by mcserver involving storaged -contains the first 5000 lines written by storaged and

by mcserver involving storaged

/var/log/storaged_startup_log.txt

-search for same keywords as with bladeAG -during certificate create, search for "cert" to see if

there is a further log indicating the reason for failure