

CLI "show" Commands

cvpi status <component>/all [-v=3]

-shows running, disabled, and failed components. It will show components that are failing. -v=3 adds verbosity.

cvpi resources [-v=3]

-shows memory, storage, disk throughput (>20MBps min for healthy disk, >40MBps recommended), CPUs, and NTP sync (mandatory for multi-node, at least ntpd UP for single-node)

cvpi deps <component> <start/stop>

gives the dependencies for the component to be able to start/stop

cvpi debug

-collects logs for all components for troubleshooting; collect on the primary node.

cvpi logs <component>

-to find where logs are located for a particular component. i.e. 'cvpi logs aeris' shows you /cvpi/apps/aeris/logs/. Also good for finding which node a component and subsequent logs can be found. i.e. 'cvpi logs turbine-rate-intf-counters' shows it resides on the tertiary node and its path.

cvpi info <component>

-great command to learn about a component; includes actions that can be taken, ports used, config, logging, etc.

cvpi status all -v=3 | grep disabled

-to see which processes are disabled

history

-shows list of all commands run

cvpi version

-shows version of CVP

cvpi env or cat /etc/cvpi/env

-shows environmental variables and if they are correctly set

cvpi check all

-checks that everything is set up correctly; confirms nodes are talking to each other and have same configs/env/etc.

dmesg -T

-shows kernel message buffer for checking disk/storage issues

CLI "Config" Commands

cvpi start/stop <component>/all

-starts/stops all available/specified components

cvpi -v=3 start/stop <component>/all

-starts/stops all available/specified components with verbosity (detail regarding failures if subcomponents fail to start)

CLI "Config" Commands (cont)

cvpi start/stop cvpi

-starts/stops cvpi stack

cvpi reset all

-resets the CVP app to its initial state via deleting all HBASE and Hadoop data

cvpi reset aeris

-deletes all Telemetry data; can be used for expedited upgrades from 2018.2.X to 2019.1.X

cvpReinstall

-case-sensitive; in the event of an install failure, execute on primary node to set all 3 nodes back to default.

cvpi config <component>/all

-configures the components

cvpi backup cvp

-new backup procedure in 2018.2.X and on

cvpi restore cvp cvp..tgz cvp.eosimages..tgz

-new restore procedure in 2018.2.X and on; can't restore across major releases due to data formatting changes (i.e. can't restore from 2018.X to 2019.X)

cvpi enable cvpi

-enables components of CVP to be automatically restarted if they stop

cvpi init

-gets rid of corrupted data folders; recreates directory structure; repairs any damage by removing whole directories

hdfs dfsadmin -safemode get

-checks to see if hadoop/hbase in safe mode

hdfs dfsadmin -safemode leave

-try to get primary/secondary to leave **safe** mode; then try to start it again

hdfs hbck

-checks for inconsistencies/corruptions; prints OK or gives Errors; run several times as some inconsistencies are transient

hdfs hbck -repair

-repair inconsistencies; run 5-10 times if necessary

/cvpi/zookeeper/bin/zkServer.sh start/stop

-if seeing zookeeper issues; zookeeper won't be stopped via 'cvpi stop all'

systemctl stop cvpi-watchdog.timer

From root ==> su cvp ==> /cvpi

all scripts, packages, config files, logs

Logs

/cvpi/logs; /cvpi/hbase/logs; /cvpi/hadoop/logs; /cvpi/tomcat/logs

Shortcut to logs

Also just run \$ cvpi logs <component> which shows path to logs.

Config Files

/cvpi/conf/components/; /cvpi/apps/turbine/configs/; /cvpi/apps/aries/conf/; /cvpi/apps/cvp/conf/; /cvpi/apps/geiger/conf/; /cvpi/apps/wifimanager/conf

Backups

*/data/cvpbackup/ on the **primary**; backups are run nightly at 2am UTC by default; check via **crontab -l** as root user; 5 backups stored*

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