### Migration steps

* 1. stop cronjobs on **ALL** systems in the cluster first  
     #. comment this cronjob out

| * 1. $ sudo su - pps |
| --- |

| * 1. $ crontab -e |
| --- |

| * 1. #\* \* \* \* \* /opt/proofpoint/pps-6.3.0.356/admin/tools/dbmsgqueueprocesor.sh  > /dev/null |
| --- |

|  |
| --- |

| * 1. OR if you like this better, freeze all jobs |
| --- |

|  |
| --- |

| * 1. $ mkdir ~/current/var/lock/cronpause |
| --- |

| * 1. $ touch ~/current/var/lock/cronpause/pid |
| --- |

* 1. wait a few minutes for dbmsqueueprocessor to stop

| * 1. $ tail -f ~/current/var/log/cron/dbmsgqueprocessor\_<fqdn>-10000\_instance1.log |
| --- |

* 1. also do a $ top and wait until these vanish
     + logloader
     + logparser
     + logcollector etc
  2. stop everything on the master as pps

| * 1. $ ~/current/pps\_control.sh stop |
| --- |

* 1. make sure pps is fully running on the new agent (not yet attached)

| * 1. $ ~/current/pps\_control.sh status |
| --- |

* 1. As user pps on the master and agent,change the PRODUCT\_LEVEL parameter in $PROOFPOINT\_ROOT/pps\_env.sh from 1000 to 1500.

| * 1. $ sudo su - pps |
| --- |

| * 1. $ cd ${PROOFPOINT\_ROOT} |
| --- |

| * 1. $ vi pps\_env.sh |
| --- |

* 1. start db on master

| * 1. $ ~/current/pps\_control.sh start db |
| --- |

* 1. start admin on master

| * 1. $ ~/current/pps\_control.sh start admin |
| --- |

* 1. Admin UI: add new agent as Quarantine Master (QM)  
     System > Servers > add agent as type "Quarantine Node"  
     Tail the log to see progression

| * 1. $ tail -f ~/current/var/log/admind/add\_agent.log |
| --- |

| * 1. ... |
| --- |

| * 1. should end looking like this |
| --- |

| * 1. [2012-02-11 01:48:23.158493 -0500] info add\_agent.pl:397 main::finish - Finishing add\_agent at: Sat Feb 11 01:48:23 2012 total time: 515.475683 |
| --- |

| * 1. [2012-02-11 01:48:23.158966 -0500] info add\_agent.pl:398 main::finish - Exiting with value: 0 |
| --- |

* 1. stop admin on master after the agent QM has been added, just in case, (we don't want customer doing anything).

| * 1. $ ~/current/pps\_control.sh stop admin |
| --- |

* 1. now check the db is started on the master (if not, start it)

| * 1. $ ~/current/pps\_control.sh status |
| --- |

| * 1. if db is stopped, start it: |
| --- |

| * 1. $ ~/current/pps\_control.sh start db |
| --- |

* 1. In ~/current/var/run on the CM is a file named digest.cfg.  This needs to exist on the new QM so it will start generating digests where the CM left off.  
     No need to move the file physically as long as the contents match, so on the CM  just do this...  cat ~/current/var/run/digest.cfg and it will say something like the following...  
     com.proofpoint.filter.digest.generator.timestamp.last=2012-02-13 11:00:30  
     copy that and paste it into ~/current/var/run/digest.cfg on the new QM
  2. netcat a dump of quarantine db to agent QM  
     less I/O (scp sucks for big stuff): with netcat you can transfer as you dump...
     + execute the listener first  
       Agent QM (receiving):

| * + - $ sudo /etc/init.d/iptables stop |
| --- |

| * + - $ sudo chkconfig iptables off |
| --- |

| * + - $ nc -l 10001 | mysql -uroot -p$(pp\_pwutil.pl --decryptpw --encryptedpw `grep "db.mysql.normal.password" ~/current/admin/etc/admind/servers/self|cut -d= -f2`) -S ~/current/opt/mysql/data/mysql.sock quarantine |
| --- |

* + - then in another window from the source master  
      Master (sending):

| * + - $ sudo /etc/init.d/iptables stop |
| --- |

| * + - $ sudo chkconfig iptables off |
| --- |

| * + - $ mysqldump --max\_allowed\_packet=512M --add-drop-database --add-locks -uroot -p$(pp\_pwutil.pl --decryptpw --encryptedpw `grep "db.mysql.normal.password"~/current/admin/etc/admind/servers/self|cut -d= -f2`) -S ~/current/opt/mysql/data/mysql.sock quarantine | nc QM\_Agent -p 10001 |
| --- |

* 1. Once netcat is complete, start everything on master

| * 1. $ sudo chkconfig iptables on |
| --- |

| * 1. $ sudo /etc/init.d/iptables start |
| --- |

| * 1. $ ~/current/pps\_control.sh start |
| --- |

* 1. start iptables on Agent too

| * 1. $ sudo chkconfig iptables on |
| --- |

| * 1. $ sudo /etc/init.d/iptables start |
| --- |

* 1. Start cronjobs on all systems

| * 1. uncomment this pps cronjob |
| --- |

|  |
| --- |

| * 1. $crontab -e |
| --- |

| * 1. \* \* \* \* \* /opt/proofpoint/pps-6.3.0.356/admin/tools/dbmsgqueueprocesor.sh  > /dev/null |
| --- |

|  |
| --- |

| * 1. OR if you used that method in step 1, |
| --- |

|  |
| --- |

| * 1. $ rm -f ~/current/var/lock/cronpause/pid |
| --- |

* 1. QA on Agent QM  
     #.verify they consolidate by tailing logs

| * 1. $ tail -f ~/current/var/log/cron/dbmsgqueprocessor\_<fqdn>-10000\_instance1.log |
| --- |

* + - Verify new messages are visible in UI, coming into the quarantine folders
    - Verify the quarantine size is growing on the QM but not on the CM

| * + - $ du -sh ~/current/opt/mysql/data/quarantine  (on both the new QM and the CM, QM should be bigger and growing). |
| --- |

* 1. Clean up database on CM - don't do this until you're absolutely sure data is going to the QM, in fact it won't hurt anything to leave it for a few days to be sure.
     + On the CM, list/identify the biggest tables you'll want to clean up to free up space

| * + - $ ls -lhtS ~/current/opt/mysql/data/quarantine |head -11 |
| --- |

* + - * login to mysql on the CM

| * + - * $ mysql -uroot -p$(pp\_pwutil.pl --decryptpw --encryptedpw `grep "db.mysql.normal.password" ~/current/admin/etc/admind/servers/self|cut -d= -f2`) -S ~/current/opt/mysql/data/mysql.sock |
| --- |

| * + - * mysql> use quarantine; |
| --- |

| * + - * mysql> truncate table TABLENAME; |
| --- |

* + - * substitute TABLENAME with the tables returned in your ls -lhtS

### Troubleshooting

* 1. Add agent (UI) Error: Unable to acquire deploy lock. An upgrade or deploy may be in progress.  
     #. check

| * 1. [~/current/var/lock|~/current/var/lock]$ ls |
| --- |

| * 1. addagent.lock |
| --- |

that lock file got left behind when a previous agent addition "failed": **only rm it if the add has actually failed**, and it has not cleared that out by itself  
Additional info  
<https://support.proofpoint.com/documentation.cgi?version=6.3.0&doc=proofpoint_reference.pdf>  
<https://support.proofpoint.com/documentation.cgi?version=6.3.0&doc=proofpoint_reference.pdf><https://wiki.proofpoint.com/wiki/display/SPT/Quarantine+Consolidation>