**Deploy Tag to Staging Environment**

1. NOTE: before continuing, make sure that the External IP Address you are going to access that staging environment from has been added to the AWS “firewall” rules. You also need to rsync updated install scripts from sckbuild before running them on each server
2. Log into the sckui (www) server in Staging via SSH
3. Log in as admin user and sudo su -
4. Stop HTTPD Service: service httpd stop
5. Log into the messaging server in Staging via SSH
6. Log in as admin user and sudo su -
7. Stop all services: service stopAll
8. Log into the dwdb server in Staging via SSH
9. Log in as admin user and sudo su -
10. Stop all services: service dwsybase stop
11. Do the same for the api servers as well, and do a service wildfly stop on them as root.
12. Log into the txdb server in Staging via SSH
13. Log in as admin user and sudo su -
14. If replacing DB, Execute transactional db pull from s3 backup: /root/downloaddbs.sh &
    * Replace this step with localcopy.sh when ready. You need to manually upgrade the DB from 3.15 to 3.15.4.
    * NOTE: This script might need to be copied in and have some of the configurations updated to pull from S3 and also make sure that the database names are correctly updated i.e. mysck-qa should be replaced with mysck-stag. Also check the DB version in the Configuration table.
    * Only do this if you want a fresh DB copy
    * Tail /tmp/rebuild.log and wait for DB pull to complete: tail –f /tmp/rebuild.log
15. Rsync the new install script if there are updates:

Example: rsync -avh [sckadmin@sckbuild.fastinc.com::latestqa/aboveStore/upgrade/qastaging/upgradetxdb\*](mailto:sckadmin@sckbuild.fastinc.com::latestqa/aboveStore/upgrade/qastaging/upgradetxdb*) update/

If this fails, you might need to move an elastic IP address to the server. You need AWS console access for this.

1. Once completed, execute the following to upgrade the transactional database: bash -x /root/update/upgradetxdb.sh, or
   * bash -x /root/update/upgradetxdbnoreplacedb.sh if you’re not replacing the DB
2. Reboot the txdb AMI by executing: init 6
3. Wait for txdb to boot up completely
4. Log into the dwdb server in Staging via SSH
5. If replacing DB, Execute transactional db pull from s3 backup: /root/downloaddbs.sh &
   * Replace with localcopy.sh when ready
   * NOTE: This script might need to be copied in and have some of the configurations updated to pull from S3 and also make sure that the database names are correctly updated i.e. mysckdw-qa should be replaced with mysckdw-stag
   * Only do this if you want a fresh DB copy
   * Tail /tmp/rebuild.log and wait for DB pull to complete: tail –f /tmp/rebuild.log
6. NOTE: Make sure that the database on txdb is fully functional (running and accepting connections) before starting the next step. The data warehouse update.SQL REQUIRES the transactional database be up and functional
7. Rsync the install script

rsync -avh [sckadmin@sckbuild.fastinc.com::latestqa/aboveStore/upgrade/qastaging/upgradedwdb\*](mailto:sckadmin@sckbuild.fastinc.com::latestqa/aboveStore/upgrade/qastaging/upgradedwdb*) update/

If this fails, you might need to move an elastic IP address to the server.

1. Once completed, execute the following to upgrade the data warehouse database: bash -x /root/update/upgradedwdb.sh OR
   * bash -x /root/update/upgradedwdbnoreplacedb.sh if you’re not replacing the DB
2. Reboot the dwdb AMI by executing: init 6
3. Wait for dwdb to boot up completely
4. Log into the messaging server in Staging via SSH
5. sudo su -
6. Rsync the install script

rsync -avh [sckadmin@sckbuild.fastinc.com::latestqa/aboveStore/upgrade/qastaging/upgrademessaging\*](mailto:sckadmin@sckbuild.fastinc.com::latestqa/aboveStore/upgrade/qastaging/upgrademessaging*) update/

1. Execute the following to upgrade messaging: bash -x /root/update/upgrademessaging.sh
2. Reboot the messaging AMI by executing: init 6
3. Log into the both of the api servers in Staging via SSH – Skip the api server steps until 3.17 is released, because you’ll break CMDB
4. Sudo su –
5. Rsync the install script

rsync -avh [sckadmin@sckbuild.fastinc.com::latestqa/aboveStore/upgrade/qastaging/upgradeapiwildfly.sh](mailto:sckadmin@sckbuild.fastinc.com::latestqa/aboveStore/upgrade/qastaging/upgradeapiwildfly.sh) update/

1. bash –x /root/update/upgradeapiwildfly.sh
2. reboot the servers
3. Log into the sckui (www) server in Staging via SSH
4. Rsync the install script

rsync -avh [sckadmin@sckbuild.fastinc.com::latestqa/aboveStore/upgrade/qastaging/upgradesckui.sh](mailto:sckadmin@sckbuild.fastinc.com::latestqa/aboveStore/upgrade/qastaging/upgradesckui.sh) update/

1. Execute the following to upgrade the sckui: **bash -x /root/update/upgradesckui.sh**
2. If necessary, edit /etc/httpd/conf.d/proxy\_ajp.conf” to the next version number, for example change all mysck-3-15-4 to mysck-3-16-0
3. Also add proxy rules for the new prelogin.sat, once we figure out what they actually are.
4. You might also need proxy rules for CMDB, depending on when that gets deployed
5. Reboot the sckui AMI by executing: init 6
6. Log into the sftp server in Staging via SSH
7. Sudo su –
8. Rsync the install script

rsync -avh [sckadmin@sckbuild.fastinc.com](mailto:sckadmin@sckbuild.fastinc.com)::latestqa/aboveStore/upgrade/qastaging/updatesftp\* update/

1. bash /root/update/upgradesftp.sh
2. Reboot
3. TEST it!