

# Standing up two Avalon ecosystems on one host

This is our experience in standing up another Avalon system on the same host to do blue-green deployment.

## Clone Fedora

In Tomcat, copy `webapps/fedora` to `webapps/fedora3`.

Copy `/usr/local/fedora` to `/usr/local/fedora3`

Copy `/usr/local/tomcat/conf/Catalina/localhost/fedora.xml` to `fedora3.xml` and point "fedora.home" to `/usr/local/fedora3`

## Clone avalon Solr core

In `/usr/local/solr/solr.xml`, clone core avalon and give it a new name, eg "avalon\_r5"

Copy `/usr/local/solr/avalon` to `/usr/local/solr/avalon_r5`

## Clone Matterhorn

Copy matterhorn and opencast folder to a new location.

Edit links and paths in `/usr/local/matterhorn/etc/config.properties`

Make sure cron jobs: `stripChaptersCronJob.sh` and `chmod -R g+w /digitize/dropbox/` are running

## Clone database

Give it a new name

## Deploy Avalon to new folder

Make dir `/var/www/avalon_r5`

Copy shared folder from `/var/www/avalon` to `avalon_r5`

Edit shared yml files to reflect changes in DB, Fedora, Solr

Add new virtual host with new domain name to `etc/httpd/conf.d/avalon.conf` and `ssl.conf`

Cap deploy from your local machine to server. For really large repo, you may want to migrate and reindex separately in a screen/tmux session.

Make sure your background jobs are running and pointing to new Avalon location.

## Reindex Solr

Manually kick off `rake avalon:reindex`. This can take a very long time if you have a large collection, better run it in a tmux session.