

# 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.