

# Upgrading Avalon 6.5 to Avalon 7.0

See the [Avalon 7.0 Release Notes](#) for more information.

## Requirements

Avalon 7.0 and above requires Ruby 2.5 or newer. If you're using RVM, simply run

```
rvm list # Get current ruby version, eg 2.2.1
rvm upgrade 2.2.1 2.5.5 # Installs Ruby 2.5.5 and migrate gemsets, wrappers, aliases and environment files
```

Avalon uses ImageMagick to crop the Collection poster

```
yum install ImageMagick
```

## Config changes

Old setting	New setting	Note
matterhorn: media_path: /path/to/dir	encoding: working_file_path: /path/to/dir	<a href="#">More information</a>
	home_page: featured_collections: ['coll_id', 'col2_id'] carousel_collections: ['col3_id', 'col4_id', 'col5_id']	Choose which collections to display in the featured and carousel portions of the new homepage.  <a href="#">More information on customizing the UI</a>

## Ingest API Authorization changes

Changes were made to the authorization mechanism for the [Avalon Ingest API](#) in Avalon 7.0. In previous versions, user sessions authenticated with an API token were granted admin user access. In version 7.0 and later, user sessions authenticated with an API token will be granted the same access as the token's associated user. This means that when upgrading to Avalon 7.0, any API tokens in use must be checked to ensure that their associated users have the necessary permissions to perform API functions.

## Upgrade Steps

### For Manual Installations

1. Download and deploy new code from the [avalon repository](#).
2. Install bundler 2, update gems, and migrate DB

```
gem install bundler -v 2.0.2
bundle install --with production --without development test
RAILS_ENV=production bundle exec rake db:migrate
```

3. Update JS dependencies

```
yarn install # in Avalon root dir
```

3. Copy rightsstatement.org controlled vocabulary from config/controlled\_vocabulary.yml.example into config/controlled\_vocabulary.yml
4. Update configuration, see [Config changes](#) above
5. Restart passenger (if using)

```
passenger-config restart-app
```

6. Replace Resque with Sidekiq (background jobs processor). Look at our [Manual Instructions](#) for more details.

```
kill -f resque
RAILS_ENV=production bundle exec sidekiq -d -C config/sidekiq.yml
```

7. Upgrade mediainfo

```
sudo yum remove libmediainfo0-0.7.61-1.x86_64 libzen0-0.4.28-1.x86_64
sudo yum remove mediainfo
sudo yum install mediainfo libmediainfo libzen # Choose 19+ version
```

8. Retire Matterhorn

```
sudo service matterhorn stop
```

9. [Setup nginx streaming](#) if you had been previously depending on the rails server to serve the HLS content.

10. Run waveform backfill script

This script will kick off many background jobs to generate waveform data for existing content for use with the new structural metadata editor. (New content will have waveforms generated as part of the ingest process.) If you have a lot of files ingested into Avalon the background jobs may take a very long time to run. See [Waveform Backfill Script](#) for more information.

```
RAILS_ENV=production bundle exec rails r script/waveform_backfill.rb
```

## For Docker Installations

Stop Matterhorn

```
docker-compose stop matterhorn
```

Update new code from [avalon-docker](#)

```
git checkout master
git pull
```

Pull or Rebuild Avalon container.

```
docker-compose pull avalon
# or docker-compose build --no-cache avalon
```

Check config changes then replace the Avalon container

```
docker-compose up avalon worker
```