

# Production Deployment to NGAP 2.0

## NASD Tickets

- ✓ Add public key(s) to SSH bastion (NASD-885)
- ✓ Ensure bastion has been whitelisted as part of inflation process
- ✓ Create CloudFront distributions for S3 and API Gateway (NASD-596)
- ✓ Create database dump from NGAP 1.x and store the dump in S3 (NASD-894)
- ✓ Prep resources for DNS switch
  - ✓ Ensure EI team has appropriate tickets
  - ✓ Schedule DDI
  - ✓ Provide EI and DDI team with CNAME

## Comms

- ✓ Alert distribution lists and public Slack channels about the upcoming cutover 1 week in advance
- ✓ Alert distribution lists and public Slack channels about the upcoming cutover 1 day in advance
- ✓ Confirm DNS switch with distribution lists and public Slack channels

## Bamboo

- ✓ Update the configuration to use the script within the repository for deployment (copy from SIT or UAT, they are the same)
- ✓ Ensure necessary variables are set.
- ✓ Deploy a release from UAT to create the API Gateway

## Earthdata Login

- ✓ Update application callback URLs with the CloudFront Distribution for API Gateway

## Data Migration

- ✓ Create jump box to access our RDS
- ✓ Install Postgres on the Jump box

```
sudo amazon-linux-extras install postgresql10
```

- ✓ Run migration script
- ✓ Export migrated data to a file

```
pg_dump --exclude-table=colormaps --disable-triggers --data-only  
DATABASE_TO_EXPORT > FILENAME_TO_EXPORT_TO.sql
```

- ✓ Create an empty database locally
- ✓ Run EDSC 2.0 migrations against the new database to replicate the state of a new database
- ✓ Import the file created above into this database to test the import that will run in production

```
psql --host RDS_ENDPOINT --port 5432 --username edsc --password --dbname  
edsc_prod < FILENAME_TO_IMPORT.sql
```

## Day of Data Migration

- Get new data dump from production
- Run migration script against any new data
- Export migrated data to a file
- Create an empty database locally
- Run EDSC 2.0 migrations against the new database to replicate the state of a new database
- Import the file created above into this database to test the import that will run in production
- Import the data into production via jump box

## DNS

- Request DNS updates to be made