

Republic of Mauritius Ocean Observatory

A platform for GIS data to support Marine Spatial Planning initiative for the Republic of Mauritius, including ocean exploration and sustainable development.

Get Started »

Ocean Observatory Use and Customisation

Geonode site – site navigation, Django administration

GeoNode data - GeoServer, Styled Layer Descriptors, PostGIS, QGIS

GeoNode customization - CSS, HTML, images

26 February 2018

Day 3: GeoNode site

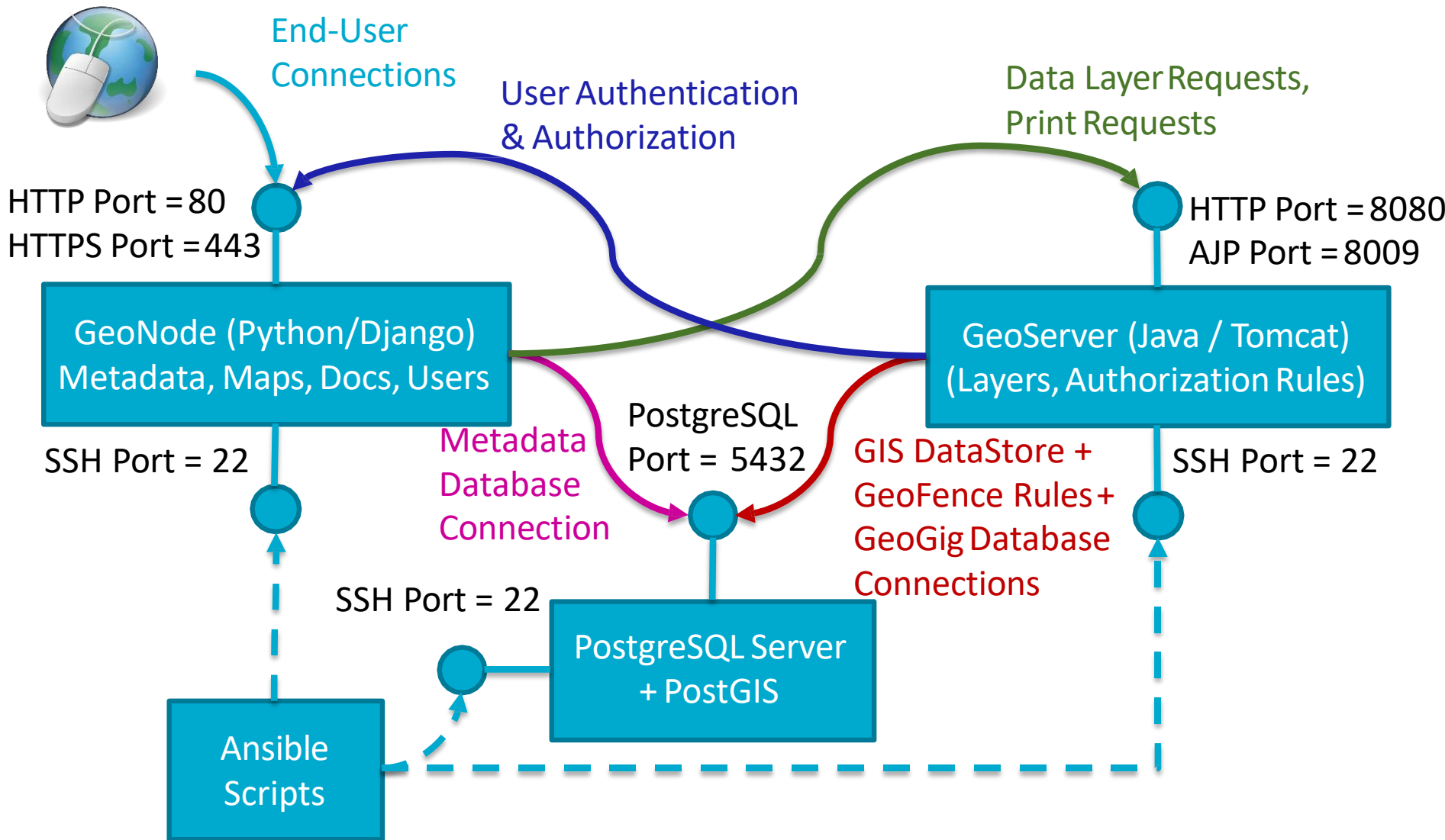
Day 3: Agenda

- Introductory Session Recap – Summary of what has been covered
- Questions from last weeks material?
- Overview of the GeoNode Components from the Data perspective
- Tour of the Ocean Observatory site
- Walk-through:
 - Uploading data and metadata
 - Metadata editing
 - Uploading documents
 - Linking documents to data
 - Permissions: Users and Groups
 - Searching and filtering

Ocean Observatory Deployment Architecture



Primary Components and Connections



Day 4: GeoNode site (continued..), Advanced data techniques, Project customization, Site customisation

Day 2: Agenda

- Some thoughts and updates from previous sessions:
 - ssh config
 - Ansible training (<https://www.packtpub.com/mapt>)
 - Group Categories
- Maps
- Remote services
- GeoNode admin interface
- Project customization (settings.py)
- Advanced data techniques (Putty, pgAdmin, QGIS)
- User perspective (wms services in other applications, sites)
- Site customization (css, html, logos, etc.) (*deferred to Wednesday*)

Advanced data techniques

Extract and prepare raster data on the server

- `sudo unzip ~/.rasters.zip -d /srv/ocean_observatory_geoserver/layers/geonode`
- `cd /srv/ocean_observatory_geoserver/layers/geonode`
- `ls -lah`
- `sudo chown tomcat8:tomcat8 ./* -R`

Accessing the Ansible Source Code 2

Download and install the Git Repository Access Key:

- `sudo apt-get install git nano unzip`
- `mkdir -p ~/.ssh`
- `unzip ~/Downloads/ocean-observatory.ssh.zip`
- `cp ~/Downloads/ocean-observatory ~/.ssh/`
- `nano ~/.ssh/config`

```
#Add this content to the ~/.ssh/config file
Hostname example-git-repository.com
    IdentityFile ~/.ssh/ocean-observatory
    IdentitiesOnly yes
    User git
    Port [port number]
```

- `sudo chown -R cisd:cisd ~/.ssh`
- `sudo chmod 0700 ~/.ssh`
- `sudo chmod 0400 ~/.ssh/ocean-observatory`
- `sudo chmod 0400 ~/.ssh/config`

Accessing the Ansible Source Code 2: ssh config

For GOC servers we needed to amend the file
~/ .ssh/config

```
Host bitbucket.csiro.au
  IdentityFile      ~/.ssh/ocean-observatory
  IdentitiesOnly    yes
  Port              7999
  ProxyCommand      nc -X connect -x Proxy Address Port Number %h %p
  ServerAliveInterval 10
  User              Git
```