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- Programmatically Customize the geonode-project instance
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- Put geonode-project in Production
- Upgrade GeoNode to Latest Version

## **Prerequisites and GeoNode Training Virtual Machine**

- If you have successfully completed one of the previous training modules, you
  can keep using the same Virtual Machine deployed at GN1
- If you are starting this module from scratch, you might want to install a *Virtual Machine* with dataset already configured and deployed.
  - Download the Virtual Machine OVA archive named GeoNode 3.2.1 GN2
    - **WARNING**: The file is quite big, about 8.7 GB. Please make sure you downloaded it before the training actually starts.
  - Deploy and start the Virtual Machine as described on GN1 section Quick Installation Guide
  - Check the users and services deployed on the Virtual Machine from the GN1 section GeoNode Virtual Machine Structure
- Make sure you are familiar with GeoNode and its functionalities and your Virtual Machine is correctly working and configured as per GN1 Training module.

**WARNING**: In the next sections we might refer to some GeoNode users and datasets deployed and configured during the previous modules.

**Next Section: Introduction to Django and Virtualenvs**