GeoNode: Software, Hardware and Training Requirements

1. ***Hardware Requirements:***
2. Recommended Minimum System Requirements

* 6 GB of RAM, including swap space
* 2.2GHz processor. (Additional processing power may be required for multiple concurrent styling renderings)
* 1 GB software disk usage
* Additional disk space for any data hosted with GeoNode and tiles cached with GeoWebCache. For spatial data, cached tiles, and “scratch space” useful for administration, a decent baseline size for GeoNode deployments is 100GB
* 64-bit hardware recommended
* Dedicated or Virtual server

1. Optimal System Requirements:

* 16 GB of RAM
* 8 cores (2 four-core processors)
* 1 GB software disk usage
* 1TB of Hard Drive (Raid based)
* Requirement for outbound and inbound bandwidth will depend upon the number of users and data transactions
* 64-bit hardware
* Dedicated server with Ubuntu Linux 12.04

1. ***Software Requirements:***
2. Ubuntu Linux 12.04\*
3. Geonode 1.2 installer package

\* Other OS where GeoNode can be installed are Red hat Enterprise Linux CentOS 6.3 and Debian 6.0 but do not come with standard installer package.

The easiest way to install GeoNode would be on Ubuntu Linux 12.04. To facilitate GeoNode installation there are packages built specifically for this platform which installs the following GeoNode dependencies automatically.

1. Python library
2. Oracle Java Runtime Environment
3. Apache Server
4. GeoServer
5. PostGIS/PostgreSQL
6. GeoExt
7. GDAL, GEOS, and OGR geospatial software libraries
8. Django Web-framework

Installation steps:

1. sudo add-apt-repository ppa:geonode/snapshots
2. sudo apt-get update
3. sudo apt-get install geonode

Once it is installed, it is required to create a super user and properly set the IP address of the system:

1. geonode createsuperuser
2. sudo geonode-updateip 127.0.0.1
3. To start using it, point your browser to:

<http://127.0.0.1/> or your public facing web domain.

1. ***Training Requirements:***

Typically, software training for each audience group could take between 2 -3 days.

* Users 2 days
* System Administrators/Software developers 3 days

The training for GeoNode has been earlier conducted in Caribbean and other regions for different target audiences. There is also advanced training being conceived that will be of 6 days with some overlapping cross-training planned between user group and developer group.

1. ***Software support:***

GeoNode is one of the most-innovative GeoSpatial data management solutions and has a vibrant and engaging community of users and developers. This is a community supported initiative with releases planned usually on quarterly basis, but ultimately depends on available volunteer time.

A comprehensive self-starter help document is available at:

<http://docs.geonode.org>

However, the common issues with the software (installation, configuration, bugs etc) are quickly addressed by highly motivated community of developers and users. Many of the old issues and “how to” can be found browsing through the community group website each focused for different target audiences.

For Developers:

<https://groups.google.com/a/opengeo.org/group/geonode-dev/topics>

For Users:

<https://groups.google.com/forum/#!forum/geonode-users>