

Install ArcGIS Linux Server on AWS

You will need two license files.

1. ArcGISGIServerAdvanced
2. **ArcGISImageServer**

Step-by-step guide

Repeat the following steps for each license file.

1. Run `/arcgis/server/tools/authorizeSoftware`
2. Select US Government, GIS Services, and GIS Specialist.
3. Use ubuntu user and become a root. Then, run **`apt-get install emacs`**
4. Edit `/arcgis/server/tools/createsite/createsite.properties` with username = siteadmin password =<your pass>.
5. Run `/arcgis/server/startserver.sh`.
6. `/arcgis/server/tools/createsite/createsite.sh -f createsite.properties`
7. Use ubuntu user and become a root. Then, run **`apt-get install firefox`**
8. **`sudo apt-get install dbus-x11`**
9. Run firefox https://private_ip:6443/arcgis/admin.
10. Open port 6433 in inbound rule of security group.
11. Add DNS entry for server like `arcgis-server-8.gisdemo.net` and associate IPv4 address with it.
12. Run firefox from your computer and try <https://arcgis-server-8.gisdemo.net:6443/arcgis/manager>.
13. Run the following commands:

```
#systemctl enable arcgisservice.service
#systemctl stop arcgisservice.service
#systemctl start arcgisservice.service
#systemctl status arcgisservice.service
```

14. Add a load balancer like <https://arcgis-s-8.gisdemo.net/> to avoid certificate warning. Force https and forward traffic to 6433.
15. [Install ArcGIS Linux Data Store](#).



During the initial deployment, Setup program is already executed and installs software under `/arcgis/server/`. Thus, all you need is to activate license and set user/password.

References

1. <https://enterprise.arcgis.com/en/server/latest/install/linux/welcome-to-the-arcgis-for-server-install-guide.htm>
2. <https://enterprise.arcgis.com/en/server/latest/install/linux/silently-install-arcgis-server.htm>

Related articles

- [Build Multi-dimensional Information](#)
- [Publish ArcGIS Mosaic Dataset Image Service with Server](#)
- [Run arcpy on ArcGIS Windows](#)
- [Install xarray on ArcGIS Notebook Server](#)
- [Install ArcGIS Linux Server on AWS](#)