

OSGeo-Live USB

OSGeo - Irish Local Chapter - 1st Symposium

Daniel McInerney
Coillte Teoranta
Castletroy Business Park
Limerick

OSGeo-Live USB

- ▶ Your conference pack includes an 8Gb USB thumb drive with OSGeo-Live installed
- ▶ OSGeo-Live is self-contained Linux-based operating system
- ▶ It is available as a bootable DVD, USB thumb drive and Virtual Machine
- ▶ It consists of entirely free software meaning that it can be freely distributed.

- ▶ OSGeo-Live is based on the Lubuntu OS
 - ▶ Variant of Ubuntu (Linux)
 - ▶ Lightweight GUI: Lightweight X11 Desktop Environment (LXDE)
 - ▶ Less resource hungry and more energy-efficient.

- ▶ It provides pre-configured applications for the analysis, storage and visualisation of geospatial data, such as:
 - ▶ **Desktop GIS:** GRASS-GIS, QGIS, SAGA, gvSIG
 - ▶ **Browser GIS:** OpenLayers, Leaflet, Cesium, Geonode
 - ▶ **Geospatial Libs:** GDAL/OGR, GEOS, libLAS, GeoTools
 - ▶ **Spatial Tools:** OTB, R-spatial, GeoKettle
 - ▶ **Data Storage:** PostGIS, Spatialite, Rasdaman
- ... and many more!

Getting Started!

- ▶ Insert your USB drive and reboot your machine
- ▶ Ensure that your PC is set to boot from a USB drive
 - ▶ This can be set in your BIOS, enter your BIOS using the keyboard shortcut:
 - ▶ The key varies, but it is commonly $\langle F12 \rangle$ or $\langle Del \rangle$
 - ▶ Then, navigate to change the boot order
 - ▶ Press Enter
- ▶ It will then proceed to run the operating system (can take some time)

Username: user Password: user

The image shows a Linux desktop environment with a map of Boston as the background. A menu is open, displaying various software categories and options. The categories include Accessories, Geospatial, Graphics, Internet, Other, Programming, Sound & Video, System Tools, Preferences, Run, and Logout. The Geospatial category is expanded, showing options like Browser Clients, Crisis Management, Databases, Desktop GIS, Navigation and Maps, Spatial Tools, Web Services, Sample data, and OSGeo Software Help. The Desktop GIS option is highlighted, and a sub-menu is visible, listing various GIS software options: GRASS GIS 7, gvSIG desktop, Kosmo Desktop, OpenJUMP, OssimPlanet, QGIS, SAGA GIS, and uDig. The desktop also features icons for Browser Clients, Spatial Tools, Sample data, Crisis Management, Web Services, Workshop Installation, Databases, Getting Started with..., and Install OSGeo Live 10.5. The system tray at the bottom shows the time as 14:49 and icons for network, volume, and power.

OSGeo-Live 10.5 <https://live.osgeo.org/en/index.html>