History

MapServer was originally written by Stephen Lime in 1996. Major funding for development of MapServer has been provided by NASA through cooperative agreements with the University of Minnesota, Department of Forest Resources. Currently, MapServer project is coordinated by Open Source Geospatial Foundation[1] – a foundation created in 2005 for promoting the use and development of open source geospatial technologies. Companies such as *Autodesk*® and *DM Solutions* are compromised with OSGEO goals.

1. Open Source Geospatial Foundation
http://www.osgeo.org

Credits

- The MapServer was written by Stephen Lime. Major funding for development of MapServer has been provided by NASA through cooperative agreements with the University of Minnesota, Department of Forest Resources.
- PHP/MapScript developed by DM Solutions Group.
- GDAL/OGR support and significant WMS support provided by DM Solutions Group which received funding support from Canadian Government's GeoConnections Program and the Canadian Forest Service.
- Raster support developed by Pete Olson of the State of Minnesota, Land Management Information Center, and maintained by Frank Warmerdam (DM Solutions).
- PostGIS spatial database support provided by Dave Blasby of Refractions Research.
- PDF support developed by Jeff Spielberg and Jamie Wall of Market Insite Group, Inc.
- OracleSpatial support developed by Rodrigo Cabral of CTTMAR/UNIVALI, Brazil.
- Portions Copyright (c) 1998 State of Minnesota, Land Management Information Center.
- Portions derived from Shapelib, Copyright 1995-1999 Frank Warmerdam.
- Supporting packages are covered by their own copyrights.

License

Additional information:

MapServer home page
http://mapserver.gis.umn.edu

or

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MapServer
http://mapserver.gis.umn.edu

MapServer

Spatially enabling your maps through the web

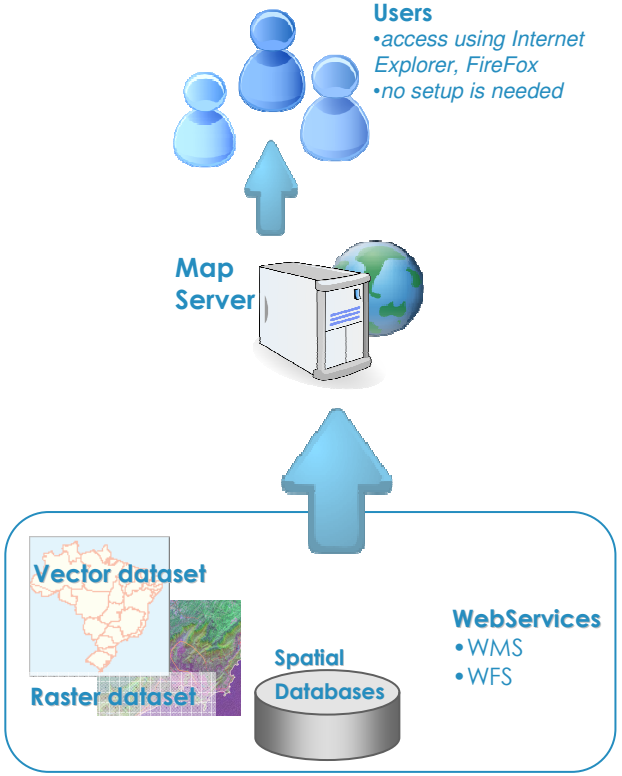
- Flexibility
- Performance
- Reliability
- Interoperability

http://mapserver.gis.umn.edu

MapServer

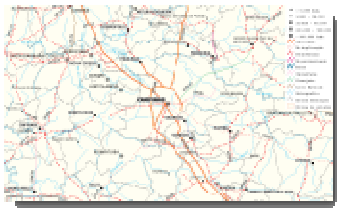
MapServer is a set of Open Source tools for building spatially-enabled web mapping applications and services. MapServer applications – usually refered as “webmapping applications” or “webGIS” – deploy as major advantages:

• Geographical Data Centralization
• No setup is needed at the end user’s machine – instant access through web browsers
• Interoperability – allows to integrate different GIS dataset on an unique enviroment

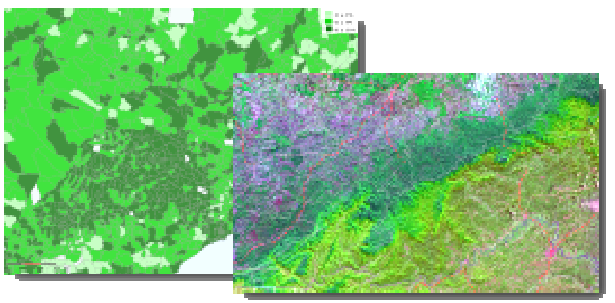


Features

•Supports dozens of industry standard raster and vector formats – see section **Supported formats**
•Spatial Databases connection support: ArcSDE, Oracle Spatial, PostGIS, MySQL & ODBC
•Automatic Legend, Scale Bar and Reference Map generation
•Scale based rules for rendering objects
•On-the-fly projection for vector and raster data



•Sophisticated rule-based labeling system
•TrueType labeling and support for curved labels
•Spatial and attribute-based query support
•MapScript API – brings up MapServer objects available for programming languages (C#, PHP, Python, Java, Ruby and Perl)
•On-the-fly classification and resampling of raster data
•OGC(1) compliant



1. Open Geospatial Consortium
http://www.opengeospatial.org
* MapServer implements the following specifications:
WMS, WFS, WCS, WMC, GML, SLD & Filter Encoding.

Supported formats

Vector data:	**Raster data:**
Arc/Info Binary Coverage	Arc/Info Binary Grid (.adf)
Comma Separated Value	ENVI .hdr Labelled Raster
DODS/OPeNDAP	Envisat Image Product (.n1)
DWG	Erdas Imagine (.img)
DXF	ECW (ERMapper)
ESRI ArcSDE	ESRI .hdr Labelled
ESRI Personal GeoDatabase	Graphics Interchange Format (.gif)
ESRI ShapeFiles	GRASS Rasters
FMEObjects	Hierarchical Data Format (4 & 5)
GML	Idrisi Raster
GRASS	ILWIS Raster Map (.mpr,.mpl)
INTERLIS	JPEG JFIF (.jpg)
Mapinfo	JPEG2000
Microstation DGN	Meteosat Second Generation
MySQL spatial extension	MrSID
ODBC	PCI Geomatics Database File
OGDI Vectors	PCRaster (.map)
Oracle Spatial	Portable Network Graphics (.png)
PostGIS	RadarSat2 XML (product.xml)
S-57 (ENC)	Raster Matrix Format (*.rsw, .mtw)
SDTS	SAR CEOS
SQLite	SGI Image Format
U.S. Census TIGER/Line	TIFF / GeoTIFF (.tif)
UK .NTF	USGS ASCII DEM (.dem)
VRT - Virtual Datasource	Vexcel MFF
	VTP Binary Terrain Format (.bt)
	(and more)

MapServer uses GDAL and OGR libraries for providing access to a wide variety of raster and vector data formats. Full formats list is available at http://www.gdal.org .

Output supported formats:
GIF
JPEG
PNG
DXF
PDF
SVG
SWF
WBMP
(GDAL formats)