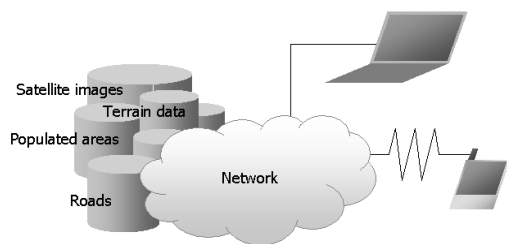


Carmenta Engine RaveGeo plug-in

FAST ACCESS TO LARGE VECTOR DATABASES

Geodata supply is a challenge...



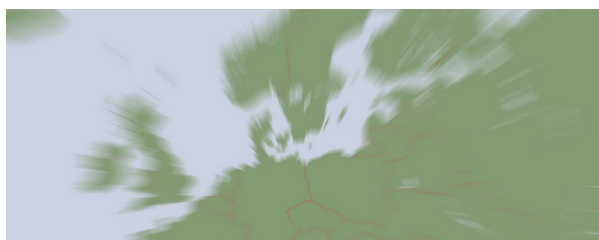
Working with large geographical databases is a difficult task. Especially very large vector databases can be complicated to manage and distribute. For example VMap level 1 from NIMA is distributed on 56 cd roms! Until now, no efficient storage and distribution format has been available for vector data.

... made easy with Carmenta Engine and the RaveGeo plug-in!

Using the Carmenta Engine RaveGeo plug-in it is now possible to combine fast access and high compression in very large vector datasets. The RaveGeo plug-in also reads data in any resolution which widens the usable scale range of the dataset.

Fast Vector Map Access

Large vector datasets, such as the Swedish standard topographic map (GSD Terrängkartan) is often considered too detailed, too large and too costly to manage and distribute in vector format. Using RaveGeo technology within the Carmenta Engine application, these kinds of datasets will become very fast and easy to access, even over the Internet.

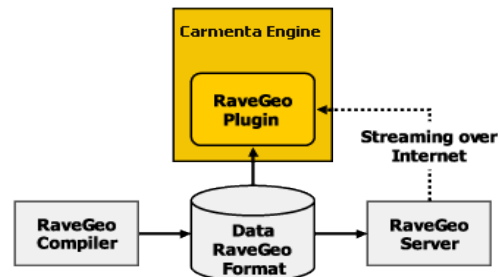


High Compression

The Carmenta Engine RaveGeo plug-in benefits from the high compression rates offered by the RaveGeo technology. Data stored in RaveGeo format occupies only a fraction of its size compared to traditional formats. The compression makes distribution over networks very efficient and reduces network load to a minimum.

About the RaveGeo plug-in

The Carmenta Engine RaveGeo plug-in is offered as an optional module to the Carmenta Engine mapping toolkit. The plug-in enables reading RaveGeo data sources over networks using http. If local file access is desired an additional upgrade is available.



About RaveGeo

RaveGeo is the first multi-resolution vector format. Just as the multi-resolution raster formats LizardTech's MrSID and ER Mapping's ECW also supported by Carmenta Engine, RaveGeo provides very fast map access and high compression. Any vector dataset can be converted to RaveGeo using the RaveGeo Compiler and distributed over networks by a RaveGeo Server.

Benefits

- Easy integration in Carmenta Engine, after installation RaveGeo data sources can be added and modeled in SpaceLab just like any other data source.
- Fast Map Access, the plug-in enables operations like smooth zoom, pan and data picking in real-time, even over the Internet.
- High Compression, a RaveGeo dataset is compressed typically 10-20 times compared to the original.
- Wide Scale Range, the RaveGeo plug-in can read data in any resolution, making datasets in different resolutions unnecessary.
- Efficient Distribution over Networks, with the RaveGeo plug-in there is no need to store geodata locally for performance reasons.
- Progressive Update, the plug-in reads streaming map data

More information

For additional information about Carmenta Engine and the RaveGeo plug-in please contact: Mikael Gråsjö, mikael.grasjo@carmenta.se, +46 31 775 57 22, www.carmenta.se. For more information regarding the RaveGeo Server and Compiler please contact: Patric Nordström, patric.nordstrom@idevio.com, +46 708 19 74 36, www.idevio.com.

