

Reveloc



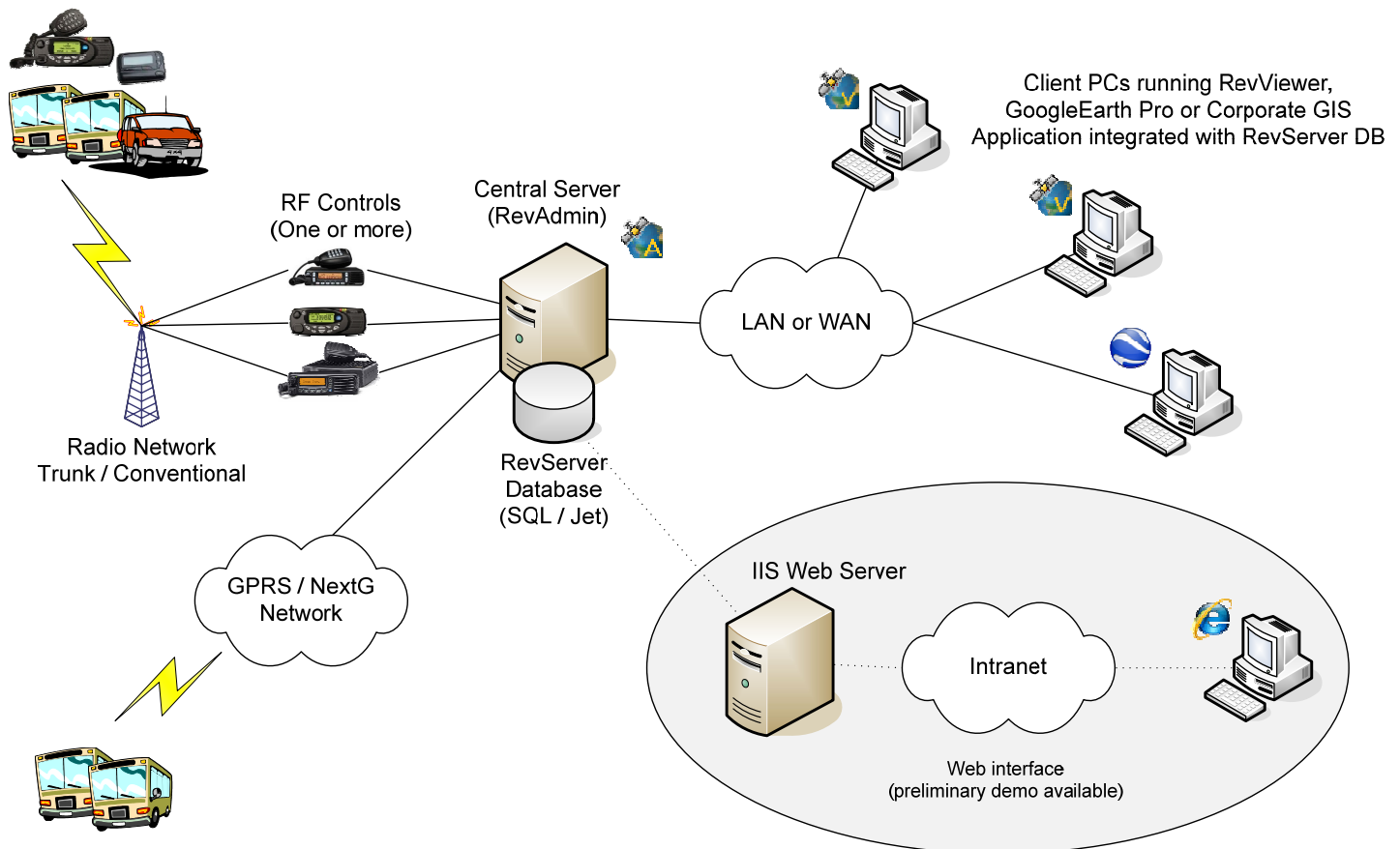
Automated Vehicle Location



Jun 2010

Reveloc, short for **R**emote **v**ehicle **l**ocator, is a scalable, Microsoft Windows based software solution for monitoring the location of remote vehicles / personnel from a centralised base. Depending on the type of communications media being utilised, GPS capable remote devices can either send in unsolicited positions, be polled individually or be polled as part of a fleet group. Polling can also be performed on an ad hoc basis or continually according to a flexible, user customisable polling schedule.

Architectural Overview



Key Features

- Single PC or WAN / LAN based solution
- Support multiple control heads simultaneously
- Support mixed manufacturer hardware fleets
- Simple database structure for integration with corporate GIS or other analysis tasks
- Wide variety of map formats supported
- Vehicle Ignition / Telemetry monitoring
- Geofencing support (server and/or vehicle)
- Short & Extended Data Message support
- Realtime position export to KML for GoogleEarth network distribution
- SOS alerting and SMS / Email broadcast





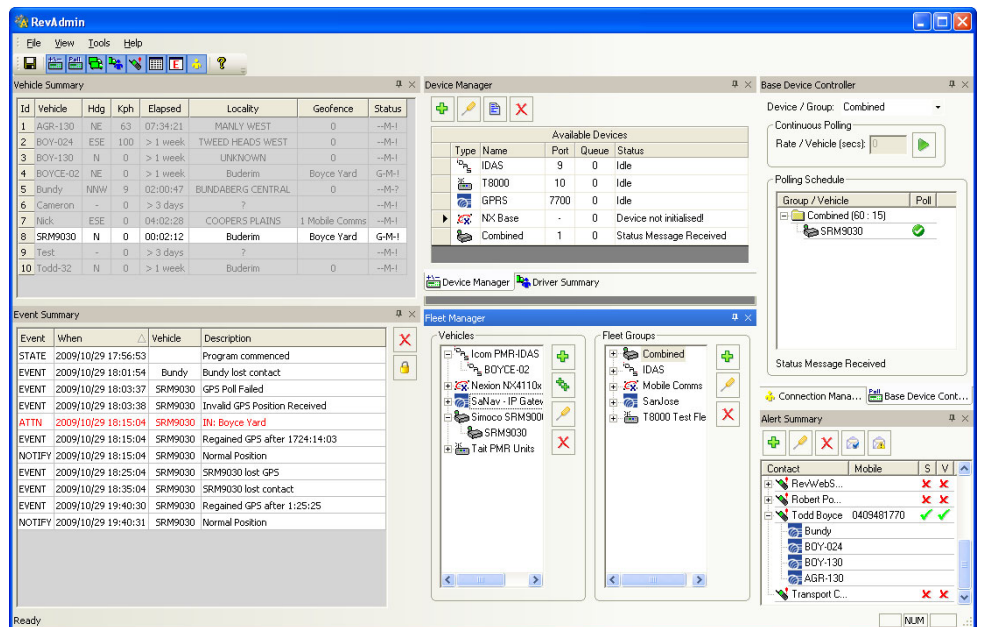
in a nutshell

RevAdmin (Server Side)

The Reveloc Administrator application is intended to be installed on a central server and provides the primary interface for vehicle and base device communications and maintenance.

Once RevAdmin has been installed and the various components set up, it is seldom necessary to do much more than monitor the application on an intermittent basis.

There is no requirement to have a RevViewer client connected in order for RevAdmin to function.



RevServer Repository (Back-End Database)

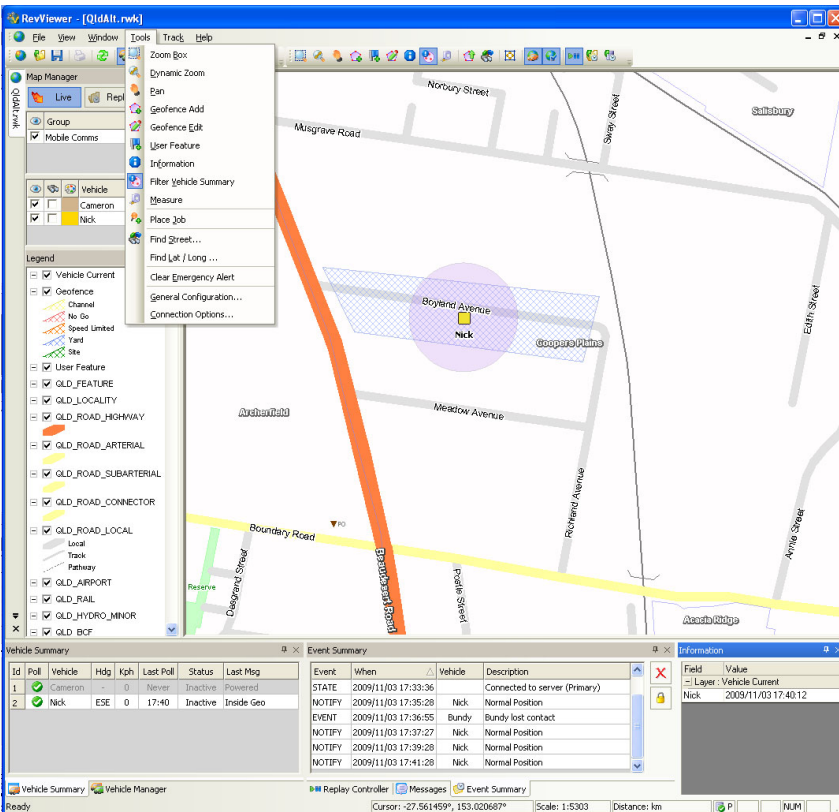
This is the central component for storing not only vehicle configuration details but live and historic position information as well. Currently supported platforms are:



- Microsoft Access
- SQL Express 2005 / 2008
- MSDE 2000
- SQL Server 2000 / 2005 / 2008

RevViewer (Client Side)

Designed to be installed on one or more client PCs, the RevViewer application provides a convenient means of monitoring remote device locations and dispatching messages to them. It provides a highly configurable mapping engine which allows users to add their own data layers if desired.



Vehicles can be associated with maps on an individual basis or as part of a group. In this way, clutter can be avoided by only showing positions that are most relevant to a particular area. A *Filter Vehicle Summary* tool is also provided to show a list of all vehicles at a particular location - handy when a number of units are in close proximity.

User Interface Features

- Mapping engine supports common vector and raster formats including: tab, shp, dxf, ecw, jpg, tif, bmp
- Display multiple maps simultaneously
- Quickly switch maps between Live and Replay mode
- User defined Geofence and Point features
- Playback history for multiple vehicles simultaneously
- Option to view a historic location on a Google Map™
- Export history to kml for use in Google Earth™
- Audible alarm and flashing screen for SOS alerts
- Dynamic geofence updating
- Dispatch messages and ad-hoc poll requests
- Summary windows for Event History and Vehicle Status

Hardware Platforms Supported

Radio Manufacturers

DAMM Tetraflex
Icom (BIIS & IDAS)
Sepura (Tetra mobiles)
Simoco SRM9000
Tait T2000/TM8000

3rd Party Solutions

Emcom URM
Nexion Data
SaNav GPRS
Status Automator
WiPath WDN Terminals

Please note that certain functionality is dependent on the hardware installed in the remote vehicles. In order to ensure your needs are properly met, please consult either ourselves or a local dealer for more information. Customisation of the software to suit specific business requirements will also be considered.

All specifications subject to change without notice.

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