

# ezytreev

the ultimate  
tree management  
software

## ezytreev Technical Specification and System Requirements

### Operating Environment

**ezytreev** is a standard Win32 application, delivered as a single EXE file.

It requires Windows 7, Vista, XP or 2000 to operate fully. It will also operate in a Windows Terminal Services or Citrix MetaFrame environment, either as standard Terminal Based or as a 'Published' Application. Each user also requires access to a standard Windows 'Temp' folder for various temporary file creation requirements.

**ezytreev** does not require any support DLL's or ActiveX controls to be installed into each users environment, other than standard ArcGIS or MapInfo MapX software, where relevant. XP, Vista and Windows 7 workstations do require that the Microsoft Visual FoxPro ODBC driver be installed, even for SQL Server installations. (The setup MSI for this is also supplied as part of the **ezytreev** installation.)

### Database Server Environment

**ezytreev** may be configured to run on a local PC, using DBF tables, in a file sharing environment using DBF tables, or on MS SQL Server 200, 2005 or 2008. The SQL Server version also requires the provision of a shared area on a file server for system multi-user access features. This may be accessed either via a Mapped Drive, or via a standard server UNC name. ie [\\<ServerName>\SharedName](#).

SQL Server security by default utilises a specific SQL logon for the application with full ownership access to the database. Alternatively integrated Windows security may be used instead, which requires that all users are given appropriate permissions to access the **ezytreev** database.

**ezytreev** requires a single empty standard SQL Server database (default name **ezytreev**) to be made available. For initial data migration and application of system upgrades, at least one user requires table create & delete permissions, plus the 'bulk insert' permission for initial data loading. The initial migration also requires a machine with the full SQL Server Client installed, and access to both the 'shared area' and the SQL Server database. Standard **ezytreev** users only require read & write access to the **ezytreev** tables, plus unrestricted access to the 'temporary' database.

Regarding the configuration of the server, **ezytreev** does not require either a dedicated server – or dedicated server instance as such. It does however require that the instance in which it resides be configured to use a 'Case Insensitive' Collation Sequence, (ie such that lists of descriptions ordered by description are listed in alphabetical order irrespective of any capitalisation within the description.). This is the normal default set-up for SQL Server but it is a requirement.

### Mapping System Requirements

The **ezyMap** mapping system requires only the **ezyMapX** ActiveX control which is installed as part of the standard install. The map base is derived from either Os LandLine NTF or DXF Tiles, Os MasterMap GLM/GZ, or AutoCAD DXF or DWG files. In each case, the native Os data is converted into **ezyMap**-specific formats. **ezyMap** also supports Aerial photos in ECW format, and the use of Os 1:50000 and 1:10000 Colour Raster mapping for overview purposes.

The **ezyMapInfo** system requires the installation of the MapX version 5.0 ActiveX control on each end-user workstation. The base mapping is configured to reflect the users normal MapInfo environment via a Geoset derived from the end-users MapInfo Workspace. **ezytreev** tree data is maintained in standard MapInfo Tab files.



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The **ezyArcGIS** system requires access to appropriate ArcGIS licensing to operate. This can be an ArcGIS Engine run-time or ArcView license installed on that users workstation, or a concurrent ArcView license supplied via an ArcGIS license server. **ezytreev** requires that a locally installed ArcGIS Engine Runtime or ArcView system be version 9.1 or higher. The base mapping is configured to reflect the user normal ArcView environment via a standard ArcView 'document' file. **ezytreev** tree data is maintained in temporary ArcGIS Shapefiles, or in a persistent ArcSDE or Personal Geodatabase layer.

Note that maintaining a persistent layer in ArcSDE requires either an ArcEditor license, or an ArcGIS Engine run-time license with Geodatabase Update extension.

## Data Collection Device Requirements

**ezytreev** supports data collection via either Pocket PC (PDA) type devices, and Windows Tablet type devices.

The **Pocket PC** software requires Pocket PC 2003 or Windows Mobile 2005 or 2006 supporting devices, including Windows Mobile based 'smart' phones with either an SD or Compact Flash slot available for storage cards for secure storing of mapping and tree data.

The Pocket PC data collection software will also operate on customised Windows CE.NET devices with appropriate drivers installed. E.g. Thales Mobile Mapper range.

Synchronisation with the desktop system is achieved either via the standard MS ActiveSync connection, or via high-speed USB or PC-Card readers.

The **Windows Tablet** software requires Windows 2000, XP, XP Tablet Edition, Vista or Windows 7 devices to operate. Large capacity drives are recommended, as is the use of 'reflective' outdoor viewable screens.

Synchronisation with the desktop system is achieved any MS supported network connection giving direct access to the Tablet's shared area. This can be a standard LAN, a wireless LAN network, a VPN connection across the Internet, or a Citrix client PC mapped drive for terminal server delivered systems.

Note that Windows Tablets used for data collection have the same MapX and ArcGIS licensing requirement as end-user workstations. However, the **ezyMap** system may be used for data collection via Tablet even where the desktop environment is either **ezyMapInfo** or **ezyArcGIS**.



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