

Tyler's Versatrans® System Requirements

Versatrans Routing & Planning™ and Versatrans Fleetvision®

Workstation - minimum:

- Single-core, 1 GHz processor
- 512 MB RAM
- 1 GB available hard drive space
- 17" monitor, at least 1024x768 resolution
- Windows® XP Operating System

Workstation - recommended:

- Multi-core, 2.8 GHz processor
- 2 GB RAM
- 1 GB available hard drive space
- 17" monitor (or larger), at least 1024x768 resolution
- Windows XP/Vista/7 Operating System

Network Servers - minimum:

- Single-core, 1 GHz processor
- 512 MB RAM
- Hard drive with 2 GB available space configured in a RAID array
- Windows 2003 Server Operating System

Network Servers - recommended:

- Multi-core, 2.8 GHz processor
- 2 GB RAM
- Hard drive with 2 GB available space configured in a RAID array
- Windows 2003 or 2008 Server (Standard) Operating System with latest updates

Database Server—Routing & Planning and Fleetvision will require a database server to store its data.

Microsoft SQL Server Express 2005—comes bundled with Routing & Planning and Fleetvision but has limits on the maximum database size, amount of RAM it can use, and will work only on single processor machines.

Microsoft SQL Server Express 2008—has limits on the maximum database size, amount of RAM it can use, and will work only on single processor machines.

Microsoft SQL Server 2005 or 2008 Workgroup Edition—requires separate licensing for larger multi-user installations (more than 5 concurrent users) on Windows servers.

Printers

Any Windows-compatible laser or inkjet printer

Other Network Hardware:

- 100 MBit/Sec, full duplex, switched data path between server and client
- CAT5 (or better) cabling

Recommendation

The ideal hardware configuration will vary from district to district based on a number of factors including but not limited to: number of users, types of functions performed, and map density. In general, user experience is improved with additional RAM and faster processors.

Versatrans Onscreen®

Versatrans Routing & Planning

Versatrans Onscreen requires an installation of Versatrans Routing & Planning v.9.14.0 or higher

Web Server & Application Server Requirements - minimum:

- Multi-core, 2.8 GHz processor
- 2 GB RAM
- Microsoft Windows 2003 or 2008 Server (standard) with IIS and latest updated applied
- ASP.NET 3.5 sp1 with latest security updates applied
- ASP.NET WCF activated (2008)
- Report Viewer 2008 sp1

Web Server & Application Server Requirements - recommended:

- Multi-core, 2.8 GHz processor
- 4 GB RAM
- Microsoft Windows 2003 or 2008 Server (standard) with IIS and latest updated applied
- ASP.NET 3.5 sp1 with latest security updates applied
- ASP.NET WCF activated (2008)
- Report Viewer 2008 sp1

Note: Onscreen can coexist on this server but may also reside separately if desired to achieve better performance or scalability.

Database Server - minimum:

- Dual core, 1.8 GHz processor

- 2 GB RAM
- Hard drive with 10 GB available space
- Windows 2003 or 2008 Server (Standard) Operating System
- Microsoft SQL Server 2005 or 2008 Workgroup Edition

Database Server - recommended:

- Multi-core, 2.8 GHz processor
- 10 GB RAM
- Hard drive with 40 GB available space configured in a RAID array
- Windows 2003 or 2008 Server (Standard) Operating System with the latest updates applied
- Microsoft SQL Server 2005 or 2008 Workgroup Edition

Note: The Routing & Planning database server can coexist on this server but may also reside separately if desired to achieve better performance or scalability.

Note: SQL Server Express is not supported for Onscreen installations.

Client Machine Requirements - minimum & recommended:

- Single-core, 1 GHz processor
- 512 MB RAM
- 17" monitor with a minimum resolution of 1280x1024
- Windows XP sp2 Operating System
- Internet Explorer 7.0, 8.0 or higher
- Microsoft Silverlight™ 3.0

GPS Hardware Requirements

- Onscreen functionality is dependent on GPS hardware being configured to provide door open or stop arm events

Versatrans SIF Agent™

Routing & Planning

The SIF Agent requires an installation of Routing & Planning v.9.14.0 or higher

CPU & Memory Requirements - minimum:

- Single-core, 1 GHz processor
- 512 MB RAM
- 1 GB available hard drive space
- 17" monitor (or larger), with a resolution of at least 1024x768
- Windows XP/Vista/7 Operating System

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Versatrans Triptracker®

Workstation

The following web browsers are supported:

- Internet Explorer 7.0 or better for Windows
- Mozilla Firefox® 3.5 or better for Windows and Mac OS® X

Network Servers - minimum:

- Single-core, 1 GHz processor
- 1 GB RAM
- 40 MB disk space for Versatrans Triptracker files
- Microsoft Windows 2003 or 2008 Server (Standard) with IIS
- IIS with ASP.NET 3.5 enabled and the latest security updates applied

Network Servers - recommended:

- Multi-core, 2.8 GHz processor
- 2 GB RAM
- 40 MB disk space for Versatrans Triptracker files
- Microsoft Windows 2003 or 2008 Server (Standard) with IIS
- IIS with ASP.NET 3.5 enabled and the latest security updates applied

Database Server—Triptracker will require a database server to store its data. The database engine you choose is mostly dependent upon your platform (operating system, program and data location, and number of users). Review the information below to find out what database engine would be best for your organization.

Microsoft SQL Server Express 2005—comes bundled with Triptracker but has limits on the maximum database size, amount of RAM it can use, and will work only on single processor machines.

Microsoft SQL Server Express 2008—has limits on the maximum database size, amount of RAM it can use, and will work only on single processor machines.

Microsoft SQL Server 2005 or 2008 Workgroup Edition—requires separate licensing for larger multi-user installations (more than 5 concurrent users) on Windows servers.

Versatrans e-Link®

Routing & Planning

e-Link requires an installation of Routing & Planning v.9.14.0 or higher

Workstation

Any Windows computer running Internet Explorer 7.0 or better

Network Servers - minimum:

- Single-core, 1.8 GHz processor
- 1 GB RAM
- 40 MB disk space for Versatrans e-Link files
- Microsoft Windows 2003 or 2008 Server (Standard) with IIS
- IIS with ASP.NET 3.5 enabled & latest security updates applied

Network Servers - recommended:

- Multi-core, 2.8 GHz processor
- 2 GB RAM
- 40 MB disk space for Versatrans e-Link files
- Microsoft Windows 2003 or 2008 Server (Standard) with IIS
- IIS with ASP.NET 3.5 enabled & latest security updates applied

Antivirus Software

Some antivirus software can be detrimental to performance of ASP.NET applications. We recommend using only those antivirus scanners that are certified for the version of the operating system being used. Antivirus software should be set to exclude database files.

Tyler's District Pulse for Transportation

Versatrans Applications - minimum:

- Routing & Planning v.9.14 or higher

Versatrans Applications - recommended:

- Routing & Planning v.9.14 or higher
- Fleetvision v.9.14 or higher
- Triptracker v.9.14 or higher
- Onscreen v.9.14 or higher

Workstation

Any Windows computer running Internet Explorer 7.0 or better

Network Servers - minimum:

- Single-core, 1.8 GHz processor
- 1 GB RAM
- Microsoft Windows 2003 or 2008 Server (Standard) with IIS
- IIS with ASP.NET 2.0 enabled and the latest security updates applied
- Microsoft SQL Server (Express or Workgroup Edition) 2005 or 2008

Network Servers - recommended:

- Multi-core, 2.8 GHz processor
- 2 GB RAM
- Microsoft Windows 2003 or 2008 Server (Standard) with IIS
- IIS with ASP.NET 2.0 enabled and the latest security updates applied
- Microsoft SQL Server (Express or Workgroup Edition) 2005 or 2008

Versatrans Report Writer

Workstation - minimum:

- Single-core, 1.8 GHz processor
- 512 MB RAM
- 1 GB available hard drive space
- Microsoft .NET framework 3.5 sp1
- 17" monitor, at least 1024x768 resolution
- Windows XP Operating System

Workstation - recommended:

- Multi-core, 2.8 GHz processor
- 1 GB RAM
- 1 GB available hard drive space
- Microsoft .NET framework 3.5 sp1
- 17" monitor, at least 1024x768 resolution
- Windows XP/Vista/7 Operating System

* Versatrans Routing & Planning, Versatrans Onscreen and Versatrans e-Link support Active Directory®.