



tyler

content manager standard edition for munis®

System and Client Installation Recommendations for Tyler Content Manager Standard Edition for MUNIS®

Tyler Technologies' technical staff is here to support you as you move forward with Tyler products. We recommend that you become familiar with specific requirements for installation of our products, we created this document as a reference for Tyler Content Manager Standard Edition (TCM SE). The system specifications and client installation requirements provide an overview of what is needed to install TCM SE. If you have any questions, please contact your sales representative.

Client Prerequisites and System Specifications

TCM SE requires our clients to provide hardware and software licenses, including:

- A server separate from the MUNIS application servers
- Microsoft® SQL® Server 2005 for all versions of TCM, or Microsoft SQL Server 2008 for TCM version 2.0 or greater
- Windows® 2003 or 2008 for TCM 1.9, Windows 2008 preferred for TCM 2.0
- Scanners, if required
- Installation of MUNIS TylerForms and GoDocs solutions
- Installation of TCM SE desktop client on user workstations

Minimum Hardware Requirements Sample Make/Model

Server: Dell Power Edge 295 0 III (rack configuration)

50+ users:

- Dual Quad Core 3.0 GHz Intel Xeon processors
- 16 GB RAM (system memory)
- 1 TB Storage
- 64-bit Windows Server 2003 or 2008 Standard
- Microsoft SQL Server 2005 64-bit (Standard or Enterprise)
- Local or network backup solution

< 50 users:

- Single Quad Core 3.0 GHz Intel Xeon processors
- 8 GB RAM (system memory)
- 400 GB storage
- 64-bit Windows Server 2003 or 2008 Standard
- Microsoft SQL Server 2005 64-bit (Standard or Enterprise)
- Local or network backup solution

PC:

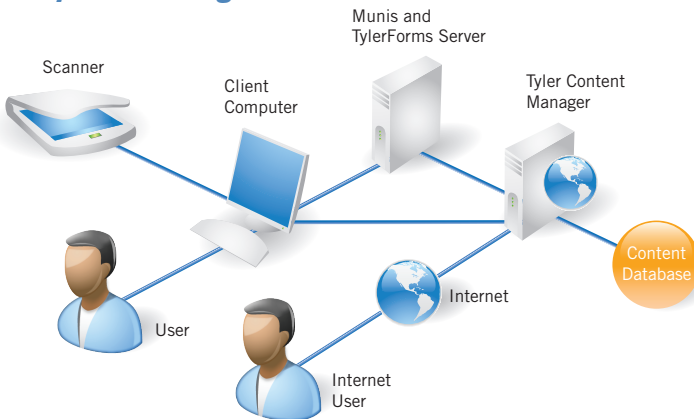
- 32-bit Windows OS (Windows XP or later)
- Single core processor 2.5GHz or higher/or Dual Core processor any speed
- 1 GB RAM (2 GB if used with Windows Vista) 250-500MB usable disk space
- USB 2 Ports—two available for TCM users requiring a scanner and a printer

The above recommendations are based on typical use* and are subject to modification based on specific system use. A SAN is not required, but is recommended for larger clients. If a SAN is used, a SAN-based backup solution is preferred.

**TCM SE clients who plan on scanning maps, color documents, or significant large batch scanning should contact their sales representative for more information.*

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System Configuration



Scanners

TCM SE is designed to work with the most current scanner models through a TWAIN driver scanning interface. This allowed us to build a simple solution for the process of scanning a document, regardless of the make of the scanning hardware deployed. Scanning directly from an attached scanner is the best choice when regular scanning duties are required. Any currently supported Network Attached Scanner may be used effectively with TCM by users that have occasional scanning requirements.

Below is a list of scanners that fall into one of two categories: Tyler tested with TCM, or untested but in use with TCM. This list is regularly updated, so if you are interested in using a scanner not shown here, please ask your Tyler representative.

Make/Model	Speed (simplex/duplex)	ADF/Flatbed	TCM Status
Canon DR 3080cii	32 ppm/64 ipm	ADF	Tested OK
Canon DR 4010C	42 ppm/84 ipm	ADF	Tested OK
Canon DR 5010C	50 ppm/100 ipm	ADF	Tested OK
Canon DR 5060F	50 ppm/100 ipm	ADF	Not Tested—In use without complaint
Canon DR 6080	60 ppm/120 ipm	ADF	Tested OK—Discontinued by Canon
Canon DR 7580	75 ppm/150 ipm	ADF	Tested OK—Discontinued by Canon
Canon DR 9080C	90 ppm/180 ipm	ADF	Tested OK—Discontinued by Canon
Canon DR X10C	128 ppm/256 ipm	ADF	Tested OK
Fujitsu fi-4340C	40 ppm/80 ipm	ADF/Flatbed	Tested OK
Fujitsu fi-5110C	15 ppm/30 ipm	ADF	Tested OK
Fujitsu fi-5900C	100 ppm/200 ipm	ADF	Tested OK
Fujitsu fi-6130C	30 ppm/60 ipm	ADF	Tested OK
Fujitsu fi-6140C	40 ppm/80 ipm	ADF	Tested OK
Fujitsu fi-6230C	30 ppm/60 ipm	ADF/Flatbed	Tested OK
Fujitsu fi-6240C	40 ppm/80 ipm	ADF/Flatbed	Tested OK
Fujitsu fi-6770	80 ppm/160 ipm	ADF/Flatbed	Tested OK
Graphtec CS500 Pro	9 ips	Wide Format	Not Tested—In use without complaint
HP ScanJet 8250	10 ppm (simplex only)	ADF/Flatbed	Not Tested—In use without complaint
HP ScanJet 8350	15 ppm (simplex only)	ADF/Flatbed	Not Tested—In use without complaint
HP ScanJet 8390	20 ppm/40 ipm	ADF/Flatbed	Not Tested—In use without complaint
Panasonic KV-S2045C	25 ppm/50 ipm	ADF/Flatbed	Not Tested—In use without complaint
Xerox Documate 152	10 ppm/20 ipm	ADF	Not Tested—In use without complaint

SQL Server 2005 Standard

TCM SE operates properly using SQL Server 2005 64-bit Standard or Enterprise. We recommend our clients purchase Standard, which generally works well for a small- to medium-sized organization utilizing TCM SE and essential capabilities. SQL Server 2008 is certified only for TCM versions 2.0 or greater.

Usable Disk-Space Allocated to the Server

The table below provides estimates of document/content storage by client category size. These figures are only estimates, and actual storage requirements will vary depending on client use, including such variables as image resolution and type. Therefore, we encourage you to plan liberally for future storage requirements.

Customer Class	Reports pg/Year	TF Docs/Year	Scanned Docs/Year	Est. Storage/Year
Small (B/C)	30,000	50,000	4,000	2 GB
Medium (D/E)	200,000	100,000	10,000	6.5 GB
Large (F)	500,000	150,000	40,000	15 GB

The above disk usage estimates assume the following individual file sizes:

Indexed MUNIS reports:20KB each
 TylerForm Documents:20KB each
 Scanned images:50KB each

Security Settings

Document retrieval, which is configured with MUNIS short cuts, is allowed based on MUNIS permissions to execute the program. Document access through the SE application interface will be based on security settings maintained in TCM SE, or in certain instances, Active Directory.

TCM SE Client

TCM SE requires client-side code at the workstation and is comprised of two mandatory and one optional components. (Note: Tyler installs a limited number during installation.) The TCM Client must be installed along with the Java Virtual Machine (Java 1.6). Optional, but recommended, is the Adobe® Acrobat® Reader for displaying PDF file types.

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TCM SE Compatibility with MUNIS Versions

Because TCM SE provides numerous integration points with MUNIS ERP software, it is important to ensure that the proper version of MUNIS is installed with TCM SE. TCM SE integration works with the following versions of MUNIS: 6.4, 6.5+, 7.2, 7.3, 7.4+, 8.1+.

Batch scanning of MUNIS invoices is available with MUNIS 6.5 or greater, and MUNIS 7.3 and greater. Invoice batch scanning requires a desktop label printer for each workstation that enters invoices into MUNIS. Recommended label printers are Zebra TLP-2844 or Zebra LP-2844.

TylerForms

TCM SE uses TylerForms and GoDocs to automatically capture (archive) documents created in MUNIS. As of MUNIS version 7.3, system-generated reports (MUNIS spool files) and 16 TylerForm document types are available for auto-capture/auto archival:

- Purchase Order
- A/P Check
- A/P EFT Advice
- P/R Check
- Direct Deposit
- Personnel Action Notice
- Vendor Check from P/R
- Vendor Check from DD
- W-2
- MUNIS Spool Files
- Application Permit
- Business Licenses Bill
- Business License Certificate
- General Business Invoice
- Utility Bill
- Utility Bill Delinquency Notice
- Final Utility Bill

Software that thinks like you do.

At Tyler Technologies (NYSE: TYL), we have a single mission: enable local governments to be more efficient, more accessible and more responsive to the needs of citizens. That's what we do. And that's all we do—in partnership with more than 8,000 clients, including local government and school offices throughout all 50 states, Canada, Puerto Rico, the U.S. Virgin Islands and the United Kingdom.

Tyler Technologies is a leading provider of information management solutions and services for the public sector—and Tyler is the largest company in the country solely dedicated to providing software and IT services to the public sector market.