



Tsunami Deployer

Documentum Exporter Guide

Supports migration of EMC Documentum content repositories into Microsoft SharePoint using Tsunami Deployer

Version 2.8

Table of Content

PREFACE	I
INTENDED AUDIENCE.....	I
CONVENTIONS	I
TECHNICAL SUPPORT.....	II
COMMENTS AND SUGGESTIONS	II
1 INSTALLING TZUNAMI DOCUMENTUM EXPORTER.....	1-1
SYSTEM REQUIREMENTS	1-2
INSTALLING TZUNAMI DOCUMENTUM EXPORTER.....	1-3
2 TZUNAMI DOCUMENTUM EXPORTER	2-6
OVERVIEW	2-7
Supported Types	2-7
Security.....	2-7
EXPORTING FROM DOCUMENTUM	2-8
COMMAND-LINE EXPORT	2-13
BEST PRACTICE	2-15
3 LICENSING INFORMATION	3-16
COPYRIGHT AND TRADEMARK.....	I

PREFACE

This guide provides installation procedures for Tsunami Documentum Exporter and detail steps to extract contents from Documentum using Tsunami Documentum Exporter. The guide also describes how to extract contents non-interactive way using command-line instructions and best practice.

This preface contains the following topics.

- Intended Audience
- Conventions
- Technical Support
- Comments and Suggestions

INTENDED AUDIENCE

Tsunami Documentum Exporter Guide is intended for:

- System Administrators who are responsible for exporting Documentum contents and setting migration environment using Tsunami Deployer.
- Project Managers and IT Managers who create and regulate usage of Tsunami Deployer and Tsunami Documentum Exporter.

CONVENTIONS

The following text conventions are used in this document:

- Commands and keywords are given in **boldface**
- Terminal sessions, console screens, or system file names are displayed in `fixed width fonts`



Caution indicates that the described action might result in program malfunction or data loss.



Notes contain helpful suggestions about or references to materials not contained in this manual.



Tips provide information that might help you solve a problem.

TECHNICAL SUPPORT

Before contacting Tzunami Support Team, ensure that you are referencing the latest copy of this user guide from:

<http://download.tzunami.com/go.aspx?DocumentumGuide=Download>

For additional information, please contact Tzunami Support Team at support@tzunami.com.

COMMENTS AND SUGGESTIONS

Your feedback is important to us and will help us to provide the most accurate and high quality information possible in our documentation. Send us comments or suggestions by email to support@tzunami.com. Be sure to include as much of the following as possible:

- The document title.
- The location that the document was accessed from (either downloaded from Tzunami web site or the Tzunami Deployer User Guide and Tzunami Documentum Exporter Guide available in Tzunami Deployer).
- The section or chapter number and the original text found in the document.



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1 INSTALLING TZUNAMI DOCUMENTUM EXPORTER

This chapter contains information about installing Tzunami Documentum Exporter. It contains the following topics:

- System Requirements
- Installing Tzunami Documentum Exporter

SYSTEM REQUIREMENTS

The following requirements must be met in order to use Tzunami Documentum Exporter:

Table 1: Hardware Requirements

Components	Minimum Requirements
Computer and processor	2GHz Pentium processor or equivalent
Memory	2 GB (Minimum); 4GB (Recommended)
Hard disk	50Mb (additional space will be required for the Tzunami Deployer projects, which may vary from 10 Mb to 4 GB).
Supported Operating System	Windows Server 2003/2008 & Windows XP
Supported Architectures	x86 and x64
Network	Intranet/Internet access depending on connectivity requirements
Display	800 x 600, 256 colors (minimum); 1024 x 768 high color, 32-bit (recommended)
Microsoft .NET Framework	Microsoft .Net Framework 3.5

INSTALLING TZUNAMI DOCUMENTUM EXPORTER

Tsunami Documentum Exporter requires that the Documentum Foundation Classes (DFC) to be installed and configured on the machine where the exporter is running.

To install Tsunami Documentum Exporter:

1. Unzip the zip file, and run Tsunami Documentum Exporter Tool Setup.msi. The Tsunami Documentum Exporter setup wizard (Welcome window) will launch. To advance through the install wizard, click **Next** on the bottom of the window.

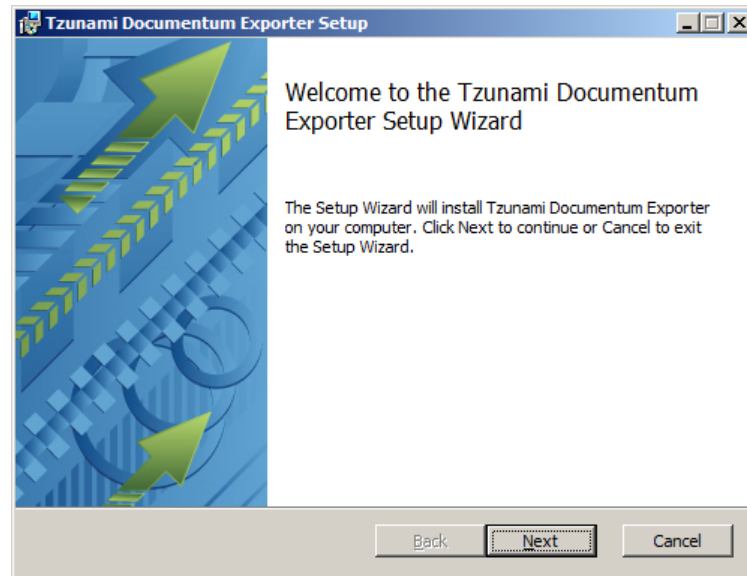


Figure 1: Welcome Window

2. In the End-User Licensing Agreement panel, click "**I accept the terms in the License Agreement**" and click **Next** to continue installation.

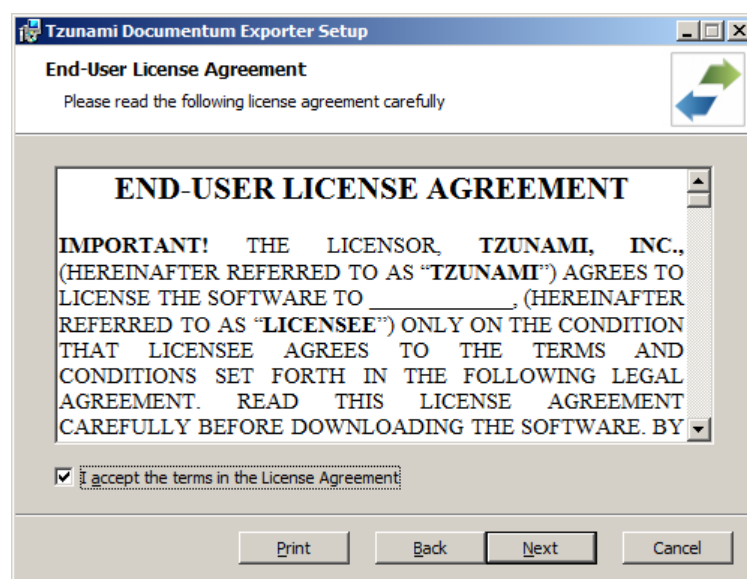


Figure 2: End-User License Agreement Window



You are advised to read the terms of the license carefully before proceeding with the installation. If you decline the license terms, the installation cannot proceed.

3. In the Custom Setup panel, do one of the following:
 - To accept the default Destination Folder, click **Next**.
 - Click **Browse**, locate and select a destination folder, click **OK**, and then click **Next**.

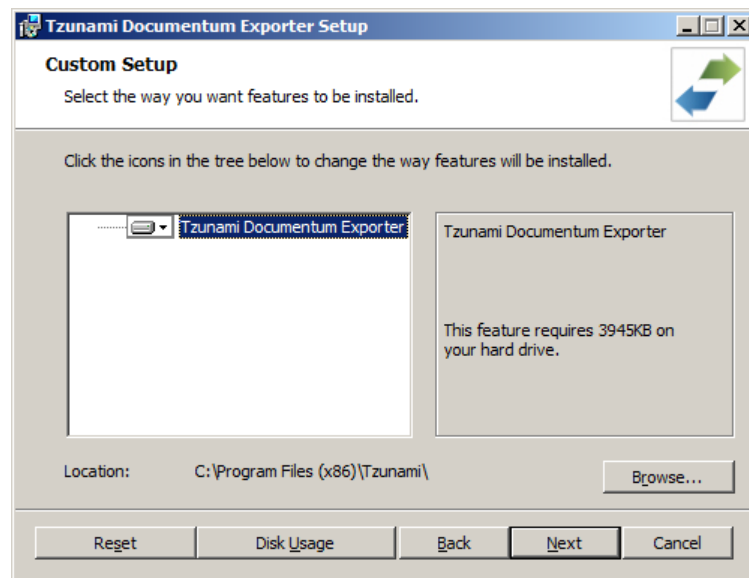


Figure 3: Custom Setup Window

4. In the Ready to install Tsunami Documentum Exporter panel, click **Install**.

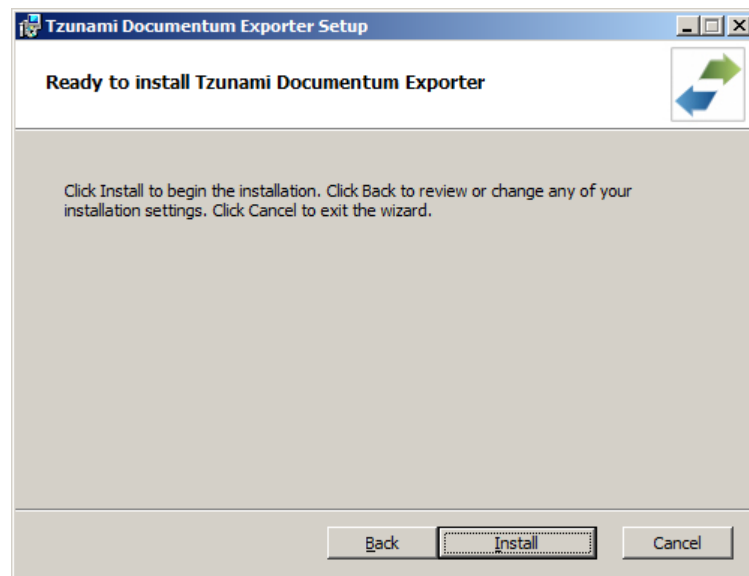


Figure 4: Installing Tsunami Documentum Exporter Window

5. In the Completed Tzunami Documentum Exporter Setup Wizard, to exit the wizard, click **Finish**.

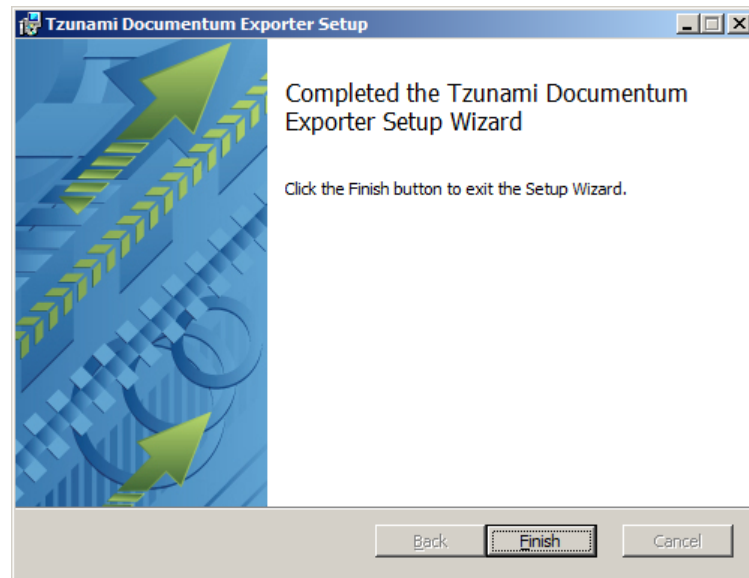


Figure 5: Installation Complete Window



When Tzunami Documentum Exporter is installed, it comes with a default license that can be used for evaluation purpose only. This license is limited in time and number of operations.

2 TZUNAMI DOCUMENTUM EXPORTER

This chapter contains information about Tzunami Documentum Exporter. It contains the following topics:

- Overview
- Exporting from Documentum
- Command-line Export
- Best Practice

OVERVIEW

Tsunami Documentum Exporter enables migrating Documentum content into SharePoint Server 2013/SharePoint Foundation 2013 (SPS2013/SPF2013), SharePoint Microsoft Office 365, SharePoint Server 2010/SharePoint Foundation 2010 (SPS2010/SPF2010), Microsoft Office SharePoint Server 2007/Windows SharePoint Services 3.0 (MOSS/WSS3.0), or Microsoft SharePoint Portal Server 2003/Windows SharePoint Services 2.0 (SPS2003/WSS2.0) using Tsunami Deployer.

To load Documentum content into Tsunami Deployer, you must first extract the content, using Tsunami Documentum Exporter, into TDX (Tsunami Deployer Export) and STDX (Separate Tsunami Deployer Export) files. You can then load this TDX file into a Deployer project.



When working with Tsunami Deployer on several machines, you can run an export on one machine and load the exported data on another.

Tsunami Documentum Exporter is distributed as an external tool from Tsunami Deployer.

Supported Types

The following items are exported from Documentum:

- Cabinets (General and Personal)
- Folders
- Documents (including custom types)
- Virtual Documents



Virtual Documents are converted to Folders.

Security

In addition to the structure and items, Tsunami Documentum Exporter extracts security information. The following permissions are used in the exporter:

- Browse
- Read
- Relate
- Note
- Version
- Write
- Delete

- Change State
- Change Permission
- Change Ownership
- Change Location
- Execute Procedure
- None

Each item is assigned an ACL defining the permissions of the various members according to the roles they were assigned.



The exporter automatically creates four default roles that are used during the deployment process. The roles include Reader (Browse and Read permissions), Contributor (Browse, Read, Relate and Note permissions), Web Designer (Browse, Read, Relate, Note, Version, Write and Delete permissions), and Administrator (user has full permissions).

EXPORTING FROM DOCUMENTUM

The Tsunami Documentum Exporter enables you to export Documentum content to a TDX file.



When exporting, keep the following in mind:

Export in small chunks: When exporting from your source system, perform the export in small chunks of about 40K-50K files each that have a common business logic or some other logic.

Ensure consistency: Make sure that the content of the different exports does not overlap and that, while exporting, no changes are made to the source data.

To export to a TDX file:

1. In Tsunami Deployer, **Right-Click** in the Documentum tab source store area and select **Export Documentum to TDX**.

Or

Click **Start > All Programs > Tsunami > Tsunami Documentum Exporter**

The Welcome screen of the Export Wizard appears.

2. Click **Next**. The Documentum Configurations screen appears with three tabs: Credentials, General, and Advanced.
3. Click the **Credentials** tab and enter the information required for the exporter to connect to Documentum.

Figure 6: Documentum Configurations Screen – Credentials Tab


Table 2: Documentum Configurations Screen – Description of Fields

Field	Description
Username	Enter the username to use when connecting to the Documentum DocBase.
Password	Enter the password to use when connecting to the Documentum DocBase.
Remember password	Check this option if you wish to save your password for next login
DocBase	Select the DocBase to connect to in order to perform the export. Click Refresh to view the list of available DocBases.
Server Time Zone:	Select the Documentum Server time zone to extract the data time value correctly.

- Click the **General** tab and enter general export information.

Figure 7: Documentum Configurations Screen – General Tab

Table 3: Documentum Configurations Screen, General Tab – Description of Fields

Field	Description
Export security	Check this option if you wish to export the security permissions of items.
Export versions	Check this option if you wish to export all versions of documents.  If you do not check this option, only the latest version of each document is exported.
Export Virtual Documents	Check this option if you wish to export virtual documents. Exported virtual documents are converted to folders during the export process.
Links - Folders	A Documentum folder can be located in more than one folder, but SharePoint does not support this behavior. Specify whether to export such a folder only once (in the first parent it appears in), or to duplicate it in each location in which it appears.
Links	A Documentum item can be located in more than one folder, but SharePoint does not support this behavior. Specify whether to export such an item only once (in the first parent it appears in), or to duplicate it in each location in which it appears.

- Click the **Advanced** tab to enter advanced export information.

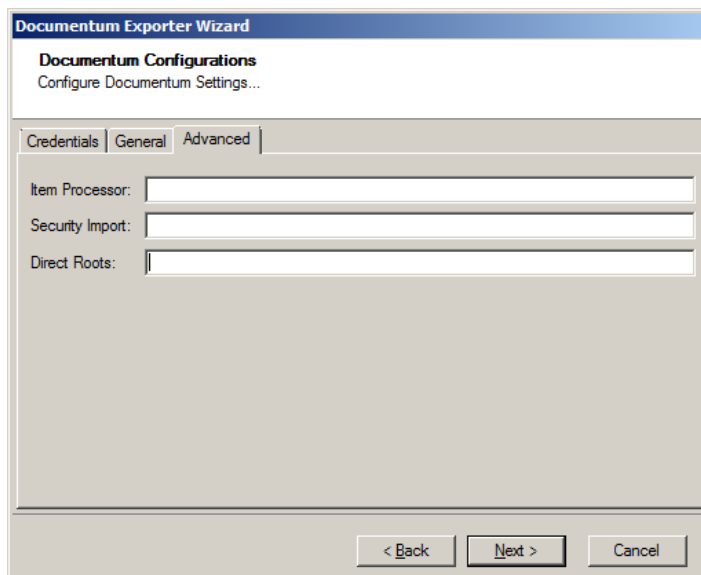


Figure 8: Documentum Configurations Screen – Advanced Tab

Table 4: Documentum Configurations Screen, Advanced Tab – Description of Fields

Field	Description
Item Processor	The default behavior of Documentum Exporter is not to create files for items that do not have content. The item processor allows you to add different behaviors. By entering the full path for <code>Tsunami.Common.EcmDocumentumExporter.dll</code> , an empty file is created during the export. For specific requirements please contact the Tsunami Support Team at support@tsunami.com .
Security Import	If you are performing multiple exports, it is more efficient to export security entities from another TDX file rather than from the Documentum server. Enter the full path of a TDX file from which to import security entities. Note that even if the TDX file you specify is missing some users or groups, they are exported as part of the regular export.

Field	Description
Direct Roots	Enter the r_object_id of the required folder to be used as a root folder. Multiple entries are allowed, separated with semicolon (;) such as '0b000003800221ac;0b000003800221a6;0900000380004d2b'.

6. Click **Next**. The Folders screen appears.
7. Navigate the Documentum folders and select the folders to export.



You can select all subfolders of a selected folder by checking Automatically select subfolders.

8. Click **Next**. The Filter screen appears.

Figure 9: Filter Screen

9. Set up filtering as follows:
 - a. In the Properties field, select a property.
 - b. In the Condition field, select a condition from the dropdown list and enter or select values in the corresponding field.
 - c. Click **Add Condition**. The condition is added to the Filter area, displaying the full filter expression.



You can only add one condition per property.

You can edit a condition for a property by selecting the property and modifying the condition type or values that are currently assigned to it.

You can remove a condition from a property or all the conditions from all the properties by clicking **Clear Condition** or **Clear All**, respectively.

If multiple conditions are applied, only items that match all conditions are exported.

10. Click **Next**. The Destination Folder screen appears.

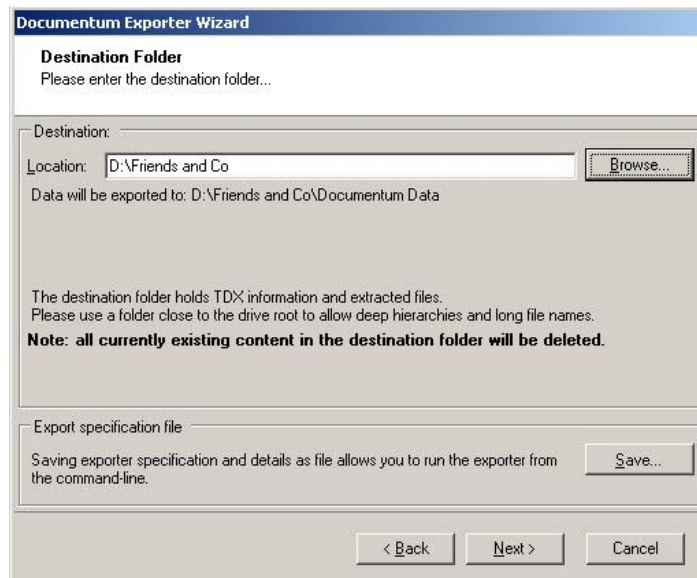


Figure 10: Destination Folder Screen

11. Specify where to export the files and generated TDX information. Make sure you are saving to a folder with a descriptive name and under a well-organized file system hierarchy. It is recommended to export to a folder that is as close to the root as possible.

Click **Save** for saving export specification details as an XML file which can be used to run the exporter in command-line mode. See the section 'Command-Line Export' below for more details.

12. Click **Next**.



If the export folder already exists, a warning appears, informing you that the destination folder already exists and if you continue all existing information will be deleted.

Clicking **OK** confirms overwrite and clicking **Cancel** returns you to the Destination Folder screen to change the destination folder.

An Exporting screen appears with a progress bar and execution report, and the export process begins.

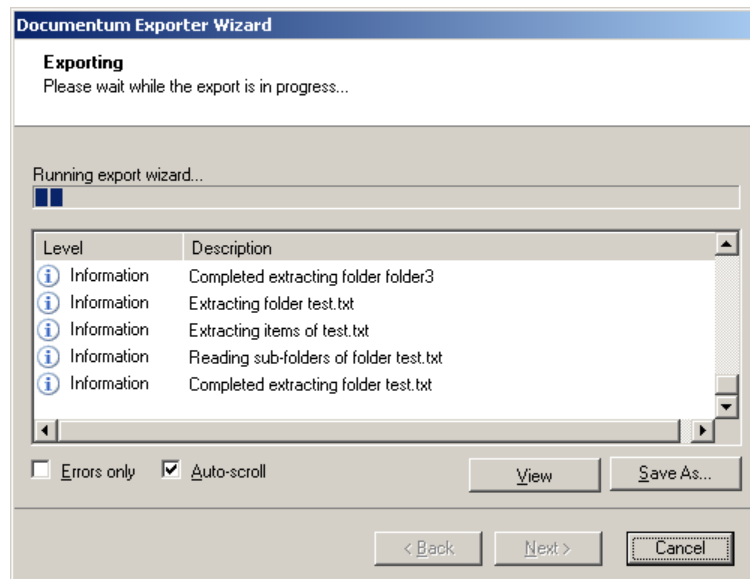


Figure 11: Exporter Progress Screen



You can save the export report by clicking **Save As...** after the export is complete.

You can display only export errors and warnings by checking **Errors only**.

You can check **Auto-scroll** to display the latest progress messages, as they appear.

13. Click **Next**. The Export Complete screen appears.

14. Click **Done**. The Tzunami Documentum Export wizard is closed.

If the exporter was run from Tzunami Deployer, after the extraction process completes successfully, you are prompted to load the exported data into the current Tzunami Deployer project. Clicking '**Yes**' begins the process of loading the content from the previously exported TDX file into the project. For more information about loading sources, refer to the Tzunami Deployer User Guide.

COMMAND-LINE EXPORT

Tzunami Exporter for Documentum provides ability to run export sessions non-interactively using command line instructions. This allows administrators to plan and schedule long running migration jobs through scripts, batch files and schedulers according to needs and organizational timetables. To run the exporter in batch mode you will need exporter specification file explained in the 'Choose Destination Folder' step of the export wizard. The file contains all the export option details including:

- Source ECM connectivity information (Server Address, User Name, Password etc.)
- Items to export
- Destination and Log Folder
- Filter

- Exporter specific options

This file can be edited to suit your needs however the XML schema of the file should not be altered. It is recommended that you generate a sample specifications file in the Destination Folder Screen selection step of the export wizard and use it as a template to create your own specification file.

Once the specification file is ready, you can run the exporter from command line using command:

TsunamiExporter.exe [-r <ResultFile>] -s <ExportSpecificationsFile>

Usage

Field	Description
-r	Outputs export results into an XML file [Optional]
-s	XML file containing export specifications

For example:

```
C:\User\Administrator> "C:\Program Files (x86)\Tsunami\Deployer
2.8\Exporters\Documentum\TsunamiExporter.exe" -s "D:\Spec Files\specs1.xml"

C:\Program Files (x86)\Tsunami\Deployer 2.8\Exporters\Documentum>
TsunamiExporter.exe -s "D:\Spec Files\specs1.xml"
```

Based on your needs you can create number of specification files and use them to run multiple export sessions as batch commands.



You will need to provide absolute path for **TsunamiExporter.exe** and **ExportSpecificationsFile** in the command if you are not running from the exporter installation directory.

In Microsoft Windows Server 2003 and Windows Server 2008 environment, if USG (Universal Security Group) is enabled, Users with low privileges sometimes cannot export ECM contents. To export contents using command line, User must run with elevated or administrative privileges.

To export contents with elevated or administrative privileges, you can run the exporter from command line using command:

RUNAS /trustlevel: "Unrestricted" "<ExporterInstallationDirectory>\TsunamiExporter.exe" -s "<Spec file path>\Specfilename.xml" "

For example:

```
C:\> RUNAS /trustlevel:"Unrestricted" "C:\Program Files (x86)\Tsunami\Deployer
2.8\Exporters\Documentum\TsunamiExporter.exe " -s "D:\Spec Files\specs1.xml"
```

BEST PRACTICE

Due to the technological differences between Documentum and SharePoint, the following best practices should be taken into consideration:

- Follow the guidelines below when choosing the target structure.

Table 5: Target Structure Guidelines

Documentum Item Type	Relevant SharePoint Types
Cabinet	<ul style="list-style-type: none">• Site/Site Collection• Document Library
Folder	Folder/Document Library
Document	Document
Virtual Document	<ul style="list-style-type: none">• Folder• Document Library

3 LICENSING INFORMATION

Tsunami Documentum Exporter uses a default license that can be used for evaluation purposes. This license is limited in the number of items that are exported. If the license does not match your evaluating needs, contact support@tzunami.com for an extended license. For this purpose you will need to provide the Product Serial Code, and then enter the License Key you receive back from the Tsunami.

To retrieve the Tsunami Product Serial Code:

1. Select **Start > Programs > Tsunami > Tsunami License Update for Documentum**. Tsunami License Update window opens.

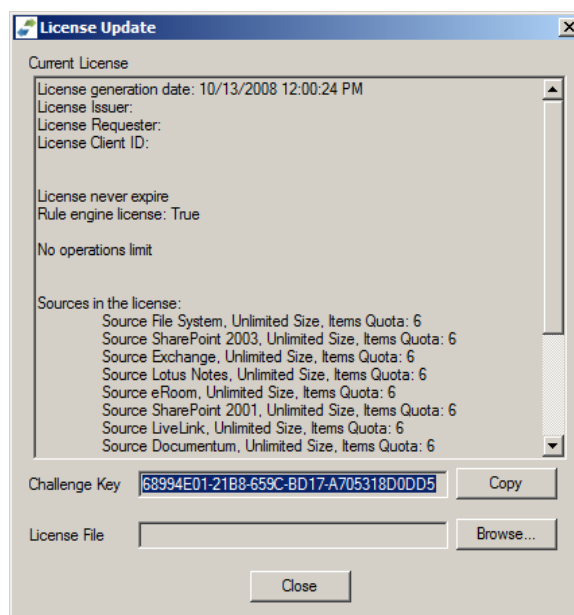


Figure 12: License Update window

2. Click **Copy**. This copies the Product Serial Code to the clipboard.
3. Paste the contents of the clipboard into an email and send it to the Tsunami Support Team at support@tzunami.com.

To extend the Tsunami license:

1. Select **Start > Programs > Tsunami > Tsunami License Update for Documentum**. Tsunami License Update window opens (**Figure 12**).
2. Click **Browse** and select the new License Key file received from the Tsunami Support Team.



If an error message appears, contact Tsunami Support Team at support@tzunami.com.

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