

Tzunami Deployer

Quick Start User Guide

Learn how to successfully migrate ECM contents to Microsoft SharePoint using Tzunami Deployer.

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1 INTRODUCTION

The migration process in Tzunami Deployer is completed in four stages. First of all, a migration project is created. All of the information about the source and target items are stored in the project and will be available during and post migration as well. The second stage is connection of source and target. In this stage, connection to source and target is performed and related data is loaded in the project. The third stage is Deployment of items for migration and mappings of source metadata related to target for Security, Property and Values are performed. The fourth state is Commit. In this stage all deployed items are committed to target source.



1.1 VERIFY INSTALLATION OF DEPLOYER COMPONENTS AND LICENSE

Tzunami Deployer components are needed to perform the migration process successfully. If the components are not installed and configured correctly, migration process will fail. It is recommended to check the following checklist before starting the migration process. Basic Checklist:

In Tzunami Deployer

- Check the license in Tzunami Deployer. If there is no license for your source and target system, generate the license for the Deployer from Licensing Service Console (Tzunami Licensing Service Component).
- Check the Tzunami Deployer is pointing to Licensing Service and Link Resolver Service.

In Licensing Service and Link Resolver Service

- Check Licensing Service is installed and running. And you have valid license for your source system and target system. If there no license, please contact with Tzunami Support at Email: <u>sales@tzunami.com</u>, <u>support@tzunami.com</u>
- Check Link Resolver Service is installed and running.

In Remote Service (which is installed in SharePoint Server)

- Check Remote Service is installed and running.
- Check Remote Service is logged in with Farm Administrator's credential.
- Check Remote Service is pointing to Licensing Service and Link Resolver Service.



If you want to connect SharePoint On-Premise without using Remote Service, then you do not need to install Remote Service component. Instead, use license for **SharePoint Online** and select the **On-Premise as Online** option in connection wizard.

The Tzunami Exporter can be run independently and exported content can be imported in migration project. Moreover, Tzunami Exporter can be run from migration project and export and loading of exported content can be accomplished from migration project. To achieve this Tzunami Exporter should be installed in the computer where Tzunami Deployer is installed.

2 GETTING STARTED WITH TZUNAMI DEPLOYER

This chapter describes how to create a project in Tzunami Deployer and save Deployer project for future use. This chapter contains the following topics:

2.1 EXPORTING CONTENT FROM SOURCE ECM SERVERS

Tzunami Deployer supports exporting content from various enterprise content management systems (ECM). The supported systems are listed as:

- AquaLogic
- Confluence
- Confluence Cloud
- Documentum
- Documentum Cloud
- DocuShare
- eRoom
- Exchange
- FileNet
- Hummingbird DM
- Hitachi Content Platform (HCP)
- HPE Content
- Livelink
- OpenText Content Server
- LotusNotes
- Oracle WCI

Tzunami provides the exporter tools which exports the contents and loaded in Tzunami Deployer for migration. There are separate installer for each system. Once the exporter tool is installed, user can create an export project. The tool provides the options settings prior to export. Based on the selected options the source data are exported and all required information are stored in a file with .tdx extension, which should be loaded in Tzunami Deployer during migration. In this guide a Livelink Exporter will be briefly explained as an example.

2.1.1 Creating an Export Project in Exporter Tool.

1. Click Start > All Programs > Tzunami > Tzunami LiveLink Exporter.

Or

In Tzunami Deployer, right-click in the LiveLink tab source store area and **select Export** LiveLink to TDX

The Welcome screen of the Tzunami LiveLink Export Wizard appears.

2. Click **Next**. The LiveLink Configurations screen appears. Use this screen to enter the settings required for the exporter to connect to LiveLink. The screen includes tabs: Web settings, Items, Advanced and Roots.

a. Web settings

The Web settings tab allows you to enter the information required for connecting to the LiveLink service.

LiveLink Expo	orter Wiz	ard								
LiveLink C Configure Liv										
Web settings	Items	Advanced	Roots	DB Settings	Action	IS				
Livelink CGI	URL:	http://llser	ver/liveli	nk/livelink.exe						
Use HT		elling								
LiveLink Se	rver:	llserver						Port: 2	099	
LiveLink Us	emame:	admin								
LiveLink Pa	ssword:	••••				🗹 Rer	member (passwor	d(s)	
				[< Ba	ick	Ne	d >	Ca	ncel

Figure 2-1: LiveLink Configurations Screen – Web Settings Tab

b. Items tab

The **Items** tab allows you to specify how the exporter should treat item versions.

LiveLink Expo	orter Wiz	ard				-		×
LiveLink C Configure Liv								
Web settings	Items	Advanced	Roots	DB Settings	Actions			
Export ite Export Pe Export Pr Export Pr Export Pr Export Pr Export Pr	ersonal V mail Volur	/orkspaces me		Types:	Discussions (Topi Compound Docur Channels & News Tasks & Milestone Projects Documents Text Documents Aliases URLs Compound Emails Generation Binders Business Workspa	nents :s	s)	~
					< Back	Vext >	Car	ncel

Figure 2-2: LiveLink Configurations Screen – Items Tab

c. Advanced tab

The **Advanced** tab allows you to specify the export options such as attachments, security, Additional Node Attributes, Categories & Attributes, Personal Workspace, URLs and Aliases.

LiveLink Expo	orter Wiz	tard						—		×
LiveLink C Configure Liv										
Web settings	Items	Advanced	Roots	DB Settings	Actions					
Export Ad	curity sett dit Trail Ilti-Value ditional N tegories e values		s ets							
Export UF	RLs and /	Aliases as files	of type:	HTML		\sim				
Export Ge	neration	as files of typ	e:	HTML		\sim				
				[< Back	t -	Ne	d >	Ca	ncel

Figure 2-3: LiveLink Configurations Screen – Advanced Tab

d. Roots tab

The **Roots** tab allows you to enter URL or ID to be used as root folder.

LiveLink Expo	orter Wiz	ard					נ	
LiveLink C Configure Liv								
Web settings	Items	Advanced	Roots	DB Settings	Actions			
Additional iter	ns to be	used as roots	:					
664975								
				[< Back	Next >	Cancel	
				L				

Figure 2-4: LiveLink Configurations Screen – Roots Tab

e. DB Settings tab

The **DB Settings** tab allows you to enter Database Credential to connect with the LiveLink Database Server. To enable **DB Settings** tab in the LiveLink Configuration wizard, you must set "LiveLinkUseDB" to **True** in the Exporter Configuration file (TzunamiExporter.exe.config). By default, "TzunamiExporter.exe.config" is located at the "C:\Program Files (x86)\Tzunami\Deployer 4.0\Exporters\LiveLink", or where Tzunami LiveLink Exporter is installed.

LiveLink Exporter	Wizard — 🗆 🗙
LiveLink Confi Configure LiveLin	
Web settings Iten	s Advanced Roots DB Settings Actions
Server Instance:	llserver\sqlexpress
Database Name:	lldata
Usemame:	sa
Password:	
Database schema	: Ildbmgr
DB Provider:	Microsoft SQL Server \checkmark
Authentication typ	e: SQL Server Authentication V
Storage Path:	
Download Do	cument
	< Back Next > Cancel

Figure 2-5: LiveLink Configurations Screen – DB Settings Tab

f. Actions tab

The **Actions** tab allows you to auto pause and resume settings for the export process in each instance. Check the **Use Auto Pause** check box and set the pause and resume settings to use the feature.

LiveLink Exporter Wizard			
LiveLink Configurations Configure LiveLink Settings			
Web settings Items Advanced Roots DB Settings Actions			
Auto Pause Use Auto Pause Pause export everyday at : 10:00 ♀ (24 Hour Time Format) Resume export everyday at : 18:00 ♀ (24 Hour Time Format)			
< Back Ne	ext >	Can	cel

Figure 2-6 LiveLink Configurations Screen – Actions Tab

3. Click Next. The Folders screen appears.

Tzunami Exporter provides quick analysis option before exporting to know the size, count of contents inside selected folder.

If you want to analyze the content: Check on the Folder(s) in tree view, then **Analyze** button is enabled. Click **Analyze**.

LiveLink Exporter Wizard			
Folders Please choose the folders to export			
Choose the folders to export:		Analyze	
Compound Document 1 Compound Document 1 Oremont Mew Channel 11 Oremond Document 1 Oremond 1 Ore		٢	^ >
Automatically select subfolders	Number of highlighted items:	1	
[< Back Next >	Cancel	

Figure 2-7 Analyze Option

4. Select folders to export.

LiveLink Exporter Wizard		—		×
Folders Please choose the folders to export				
Choose the folders to export:	Export Global /	ACL	Ana	lyze
DirectRoots DirectRoots DirectRoots DirectRoots DirectRoots DirectRoots Porsonal Workspaces Collection				
Automatically select subfolders	Number of highlighted ite	ems: 1	I	
	< Back Nex	xt >	Car	ncel

Figure 2-8 Folders Selection Screen

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

LiveLink Exporter Wizard	l.				
Filter Please set a filter					
Properties: BOOLEANCOL A Created By Datepopup Description FileSize GBooleanCol GDateField ×	Condition: BOOLEANCOL Equals to ~	True Add Cor	ndition Cl	ear Condit	v
Filter: Apply OR (Condition		^	Clear /	All
			Ŷ		
		< Back	Next >	Cano	cel

Figure 2-9: Filter Screen

- 6. 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.

7. Click Next. The Destination Folder screen appears.

LiveLink Exporter Wizard —		×
Destination Folder Please enter the destination folder		
Destination:		
Location: D:\DeployerMigration\Ch001	Bro	wse
Data will be exported to: D:\DeployerMigration\Ch001\LiveLink Data		
The destination folder holds TDX information and extracted files. Please use a folder close to allow deep hierarchies and long file names. Note: all currently existing content in the destination folder will be deleted		ive root
Export specification file:		
Saving exporter specifications and details as a file allows you to run the exporter from the command line.	Sa	ve
< Back Next >	Ca	ancel

Figure 2-10: Destination Folder Screen

8. 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.

9. Click Next.

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

Ch001 - Tzunam	ii Exporter		-		×
Exporting Please wait wh	le the export is in progress				
Export completed	1				
i Information i Information i Information	Description Extracting items of 00001 Reading sub-folders of folder 00001 Completed extracting folder 00001 Reading sub-folders of folder PDF with m Completed extracting folder PDF with mu Export completed				~
Errors only	☐ Warnings only 🗹 Auto-scroll	< Back	View Next >	Save A Retry Op Can	otion

Figure 2-11: Export Progress Screen

- 10. Click **Next**. The Export Complete screen appears.
- 11. Click **Done**. The Tzunami LiveLink Exporter wizard is closed.

After the extraction process completes successfully, you are prompted to load .tdx file in Deployer or you can browse the file to load in Deployer.

2.2 CREATING A NEW MIGRATION PROJECT IN DEPLOYER

The migration project stores all required the information about the source system and target system that will be used during subsequent stages of migration process. Source and target system will be enabled only if appropriate license is available in Tzunami Deployer. This guide present migration steps for LiveLink as source and SharePoint Online as target system as an example. The steps for other source and target system is similar. If any further information is applicable, it will be explained in the note.

2.2.1 Creating a new project.

1. Launch Tzunami Deployer and select **File > New**. The New Project window appears.

🙆 New Project X
Project Name: MigrationProjectChunk1001
Project Folder: D:\DeployerMigration\ivelinkMigrationTest Browse
Project will be created at: D:\DeployerMigration\livelinkMigrationTest
Source
ECM SharePoint Other
HCP HPEContent HUmmingbird DM
 ✓ LiveLink □ Lotus Notes □ Oracle WCI
Target
SharePoint 0365 On-premise As Online
 ☐ Microsoft Teams ☐ OneDrive ✓ SharePoint Online
OK Cancel

Figure 2-12: New Project Window

Enter a name for the project in the Project name field. In the Project folder field, enter the location to save the project.

2. Select the source system to be migrated in this project.

One of Tzunami Deployer's advantages is its ability to consolidate several source systems (Enlisted in ECM, SharePoint and Other tabs) into a single target SharePoint server.

The following table shows the supported source system enlisted under ECM, SharePoint and Other tabs.

Source ECM	SharePoint Server	Other
AquaLogic	SharePoint 2001	File System
Confluence	SharePoint 2003	HyperWave
Documentum	SharePoint 2007	
DocuShare	SharePoint 2010	
eRoom	SharePoint2010	
Exchange	Remote	
FileNet	SharePoint 2013	
Google	SharePoint 2016	
Hummingbird DM	SharePoint 2019	
Hitachi Content Platform	SharePoint Online	
(HCP)		
HPE Content	*Use SharePoint Online to	
Livelink	connect SharePoint On-	
LotusNotes	Premise as Online	
Oracle WCI		

3. Select a target system for the migration in this project. The options that are available for selection are determined by the license that you installed. The following table shows the supported target systems.

Table 2-2 Supported Target Systems

SharePoint Server	Office 365	On Premise As Online
SharePoint 2016 SharePoint 2019	Microsoft Teams OneDrive	SharePoint 2019
	SharePoint Online	*When this option is selected to connect SharePoint 2019 server, a Tzunami Remote Service component is not required to be installed in SharePoint 2019 server.

You can select only one target system among the three tabs available in New Project window. The target available under **O365** and **On-Premise As Online** tab uses the license for SharePoint Online. 4. Click **OK**. Tzunami Deployer creates the new project folder and initializes the project files in it. The Project window appears. Initially, both parts of the Project window are empty.

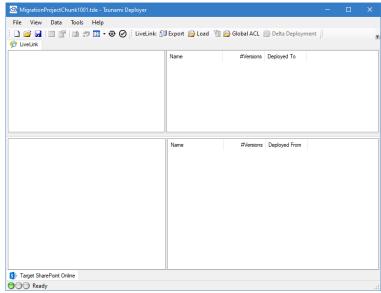


Figure 2-13: Project Window

The top half of the Project window uses a Windows Explorer style folder tree and details list to display the structure and content that has been loaded from the source systems. The bottom half of the Project window uses a similar approach to display the structure and content of the target SharePoint. The details list in the top and bottom parts of the Project window show columns of metadata properties and other information for the children items. The status bar indicates various types of information, such as the currently listed and selected items and the status and progress of Tzunami Deployer processes.

5. Save the project. The project is saved as <ProjectName>.tde file.

3 CONNECTING AND LOADING SERVERS

This chapter explains how to connect and load sources content and target SharePoint in Deployer project. This chapter contains the following topics:

3.1 CONNECTING AND LOADING SOURCE SERVER

3.1.1 Connecting and Loading from Source SharePoint

To connect the source system, perform the following steps:

1. Click on **Data** on file menu.

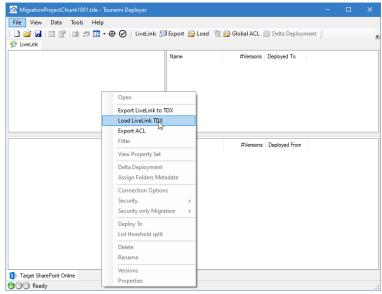


Figure 3-1 Menu options for Source and Target Connections

Select the source system. For example LiveLink as source, select **Load LiveLink TDX**. A browse dialog appears, enter the name and browse the **exportData.tdx** file. The exported content will be loaded in source.



If Tzunami Exporter is installed in the computer where Tzunami Deployer is installed, you can start export and load the ECM content with **Export <ECM System> to TDX** option. If you have selected the SharePoint source (e.g. SharePoint 2010), follow the connection wizard. If you have selected the File System source, browse the content from file system

3.2 CONNECTING AND LOADING TARGET SERVER

3.2.1 Connecting Target SharePoint

To connect the source system, perform the following steps:

1. Click Data > <Target SharePoint > Connect to <Target SharePoint >.

Connection Wizard	— 🗆 ×
Contraction of the	Target SharePoint Online Connection Wizard
((())	Welcome to the SharePoint Server Connection Wizard. This wizard will guide you through the process of connecting to Target SharePoint Online and loading items into the current project.
	Migration API
	< Back Next > Cancel

Figure 3-2 SharePoint Online Connection Screen

Click Next. The Connection Wizard progresses to the Access SharePoint Server screen.
 In the Site Collection URL field, enter O365 admin URL. For example:

https://asteroidnepal-admin.sharepoint.com.

You can enter the full url of a SharePoint site collection as well for example: https://asteroidnepal.sharepoint.com/sites/tzuanami.

Connection Wizard			
Access Target SharePoint Online Please enter URL of the Site Collection and set the user credentials			
Site Collection URL: https://asteroidnepal.sharepoint.com/sites/t4			
Connect As:			
 Windows logon user Using Web Credentials 		Connec	:t
Level Description			
Errors only Warnings only Auto-scroll	v	Save As	
< Back N	ext >	Cance	el

Figure 3-3 Connection Screen



In case of SharePoint On-Premise, enter server name (where SharePoint server is installed) for Site Collection URL. There is no need to provide full URL of site collection

- 3. Provide the credential in the browser for connection.
 - a. The SharePoint Structure appears with tabs: Select the site in Sites Tab

SharePoint Structure Please select site collections and items to load into the project ites Content Site collections: Image: Interpret to the project of t	
Site collections:	
Site collections:	
□ 🗹 📑 t4	
✓ 14 (https://asteroidnepal.sharepoint.com/sites/t4)	
Find:	Reverse Check
< Back	Next > Cancel
	Canoor
nnection Wizard	- 🗆 🛛
harePoint Structure	
lease select site collections and items to load into the project	
s Content	
-	h 37 -
	Item Versions items (faster)
	est version only
	versions (slower)

Figure 3-4: SharePoint Connection Wizard – SharePoint Structure Select **None** in lists types In **Content** Tab to load the structures only.

- 4. Click Next. The Thank you for using the Connection Wizard screen appears.
- 5. Click **Done**. Tzunami Deployer begins scanning the target SharePoint and loads information about the selected site collection, including sub sites, lists, folders, files and list items.

6. The load Source and Target appears as below:

🕾 Iltest.tde - Tzunami Deployer				-	
File View Data Tools Help					
Image: Interpretent of the second	Export 🔛 Load 🏼 🗐	📴 Global ACL	블 Delta Deployi	ment	Ē
(iii) LivelinkExport (0/2 , 0/2) [iii] 00001 (0/1 , 0/0) [iiii] PDF with multiple versions (0/1 , 0/0)	Name PDF with multiple	#Versions	Deployed To	Title PDF with m 00001	LiveLink Id 664975 286851
 ☐ 14 (0/0) ☐ 14 (0/0) ☐ Documents ☐ Form Templates ☐ Site Assets ☐ Site Pages ☐ Style Library 	Name Sites Sites	#Versions	Deployed From	Title 14	Description
Target SharePoint Online Ready					.:

Figure 3-5 Source and Target in Project

4 DEPLOYING SOURCE DATA FOR MIGRATION

This chapter explains how to deploy source content to the target source content.

Tzunami Deployer provides Auto deploy and manual deploy processes. In auto deploy process, all required security, property and value mapping are automatically deployed when you drag and drop the content from source system to target. In manual deploy process, mapping wizards for security, property and value mappings are displayed subsequently deployed when you drag and drop the content from source system to target.

4.1 AUTO DEPLOY SOURCE ITEMS TO TARGET

The following steps describe how to deploy source items to a target SharePoint:

• Check "Add All Missing Properties in Target" option in Deployer Menu as shown below

Options		×
General SharePoint Deployment Mappings Security Rule Engine AutoFixes Deta Cothers	Show Value Mapping Dialogs Always When there are unmapped values Only when the default value is not mapped Special Show mappings for Yes/No (boolean) properties Show mappings for Approval Status properties Show only relevant values Add All Missing Properties in Target Show Property Mapping Dialogs Show always Hide for empty containers Hide if provided by Rule Engine Hide always Exceptions Unless there are missing properties	_
Reset all settings	OK	Cancel

Figure 4-1 Mappings Options Screen

- Drag and drop the actual items to be deployed from the source to the target SharePoint.
- Specify the various deployment options, related to structure, files, and security.
- Keep track of the deployment process to ensure that you have deployed all the items that are required.

The steps are as follows:

1. Drag and Drop the source item to target, Deploy Wizard screen appears.

For example in following figure LivelinkExport is dragged and dropped in t4.

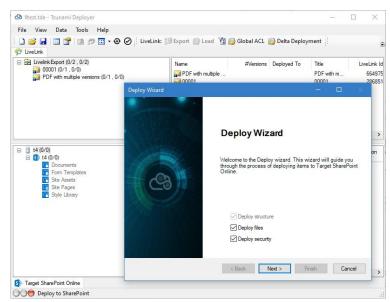


Figure 4-2 Deploy item from source to target

Here, you can check the deployment option(s) to deploy structure, files and security.

Deploy structure: Check to preserve the hierarchy of source structure or Uncheck to deploy as flat structure.

Deploy files: Check to include files or uncheck to exclude the files.

Security: Check to include the security (Groups/Users/Roles) migration or uncheck to exclude the security migration.

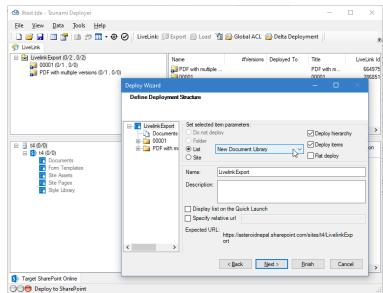


Figure 4-3 Deployment Structure

2. Click Finish button. The Deploy process is carried out automatically.

Name				
Name PDF with multiple Ø 00001	#Versions	Deployed To https://asteroi https://asteroi		LiveLink k 66497 28685
<				>
Char		Deployed From	Title	Description
5 t4				
	Deployment <u>Repo</u>	<u>u</u>		_
🗆 Mig	grate Security Late	r Ye	s No	
				>
	 Sites Eunami Bits Commission 	Name #Versions Sites Trumami Deployer Wigrate to Sh. Deployment Repo Migrate Security Late	Mane #Versions Deployed From Sites Teurnami Deployer @ Migrate to SharePoint? Deployment Report Migrate Security Later Yee	Https://asterol 00001 Https://asterol 00001 Image: Constraint of the states of

Figure 4-4 Auto Deployed Screen

3. Click **Yes** to start migration process.

Migrate		
Done		
Execution repo	rt.	
Level	Description	1
×	Operation 10/11 started (Modifying permissions)	
×	Updating ACL for Item 'https://asteroidnepal.sharepoint.com/sites Operation 10/11 Succeeded.	
Ŷ	Operation 11/11 started (Modifying permissions)	
i Information	Updating ACL for Item https://asteroidnepal.sharepoint.com/sites	
<u> </u>	Operation 11/11 Succeeded.	
	Finished migrating commands, saving project Migration finished.	
Success		i
Success		,
•	Warnings only Auto-scroll View Save As.	
•	-	

Figure 4-5 Migration Finish Screen

The content has migrated to target SharePoint. Now you can browse the content in target site and verify the content. You can skip section 5 of this document.

4.2 MANUAL DEPLOY SOURCE ITEMS TO TARGET

The following steps describe how to deploy source items to a target SharePoint:

- Drag and drop the actual items to be deployed from the source to the target SharePoint.
- Specify the various deployment options, related to structure, files, and security.
- Keep track of the deployment process to ensure that you have deployed all the items that are required.

The steps are as follows:

4. Drag and Drop the source item to target, Deploy Wizard screen appears.

For example in following figure **00001** folder is dragged and dropped in **Documents**

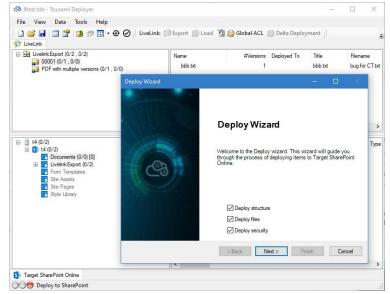


Figure 4-6 Deploy item from source to target

Here, you can check the deployment option(s) to deploy structure, files and security. **Deploy structure:** Check to preserve the hierarchy of source structure or Uncheck to deploy as

flat structure.

Deploy files: Check to include files or uncheck to exclude the files.

Security: Check to include the security (Groups/Users/Roles) migration or uncheck to exclude the security migration.

Deploy Wizard	- 🗆 ×
Global Settings	
Items Lists Advanced	
File Deploy Options: Duplicate File Names	O Incremental migration
Add a numeric suffix to new files Skip files with matches Overwrite matching files Use existing folders hierarchy	Add version to existing item Update properties of last version Update security only Overwrite all Overwrite mapped
Deploy Versions: All Versions	~
Deploy only approved versions Deploy all versions as major Deploy last minor version as major	< Back Next > Finish Cancel

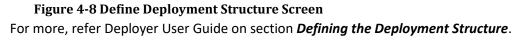
5. Click **Next**. The Deploy wizard displays the Global Settings screen.

Figure 4-7 Global Setting screen

For more, refer Deployer User Guide on section *Defining Global Settings*.

6. Click on Next, Define Deployment Structure screen appears.

Deploy Wizard				
Define Deployment Structure				
☐- <u></u> 00001 └IJ Documents	Set selected item parameters: Do not deploy Folder Ust Site Name: 00001 Expected URL: https://asteroidnepal.sharepoint.co Documents/00001 Total items in selected target: 0	Depl	deploy	у
	< Back Next >	Finish	Can	cel



7. Click on Next, Map Source Groups screen appears (if Security option is selected in step 2).

Deploy Wizard		– 🗆 🗡
Map Source Groups		
Source groups:	Target groups:	
Name	Name	Мар
M DefaultGroup [1001]	Create New Group>! Monthead Strength 1	Suggest
	🕵t4 Owners [3]	
	🕵 t4 Visitors [4]	
Filter:	Filter:	
Mapped:		
Source	Target	Remove
		Remove All
		Import
		Export
Filter		
	< Back Next > Finis	sh Cancel

Figure 4-9 Map Source Groups Screen

Here, you can perform following:

- Map source to target group: Select source group and select target group then click Map button. or,
- Create Source group in target: Select source group and select <Create New Group>, then click Map button.
- 8. Click on Next, Map Source Users and Groups screen appears (if Security option is selected in step
 - 2)

Deploy Wizard				
Map Source Users and Groups				
Source users & groups:	Target users & groups:			
Name DefaultGroup [1001] World Access (WorldAccessUser) [-1] Filter: Mapped:	Name Image: AsteroidNepalSecurityGroupTest (c:0t Image: AsteroidNepalSecurityGroupTest (c:0t.cfederate Image: AutoMigration Members (c:0t.cfederate Image: AvtAmin (r:0#fmembershiplavadmin Image: AvtAmin (r:0#fmembershiplavadmin Image: AvtAmin (r:0#fmembershiplavadmin)	< >	Ma Sugg	-
Source ! <default>! (Default User) 1 10 10 (10) 1 Filter:</default>	Target AV Admin (1:0#f]membershiplavadmin@asteroi AV Admin (1:0#f]membershiplavadmin@asteroi AV Admin (1:0#f]membershiplavadmin@asteroi	d. d	Remov Remov Impo Export.	ve All rt
	< Back Next > Finish		Canc	el

Figure 4-10 Map Source Users and Groups Screen

Select source user and select target user then click Map button. Users can be filtered using filter option as shown.

9. Click on **Next**, Map Source Users Roles to Target Roles screen appears (if Security option is selected in step 2)

Deploy Wizard			
Map Source Roles to Target I General	Roles		
Source roles:	Target roles:		
Name	Name	^	Мар
Viewer	Edit		6
	Full Control		
	Read	~	
Edit roles	-	^	Remove
Source	Target	_	
Web Designer Contributor	Contribute; Design		Remove All
Reader	Contribute; Design Read		Import
<	neau	>	Export
	< <u>B</u> ack <u>N</u> ext >	<u>F</u> inish	Cancel

Figure 4-11 Map Source Roles to Target Roles Screen

Here, Source roles are mapped to target roles by default.

If source roles are not mapped with target roles by default, select source role and select target role then click on Map button.

10. Click on **Next**, Property Mapping screen appears for a property set.

Deploy Wizard				
Property Mapping Source: Document Properties Target (Document Library): asteroidnepal.share	epoint.com/sites/t4/Shared Documents			
Target location has fewer properties than source.	click here to add missing properties			
Source Properties:	Target Properties:			
Datepopup (System:Datepopup)	Approver Comments (_ModerationComments) Checked Out To (CheckoutUser) Description (_ExtendedDescription)		Add Cor Type	
Download Url (downloadUrl) Filename (filename) FileSize (fileSize) Folder Path (folderPath)	ID of the User who has the item Checked Out (Is Checked out to local (IsCheckedout ToLocal		Property as Con Type	tent
GRooleanCol (System:GCheck Box)	<	>	Мар	
Mapped Properties:			Hide er properti	
Source	Target	^	Remo	ve
Attachments (attachments)	Source Attachments (Source Attachments)		Import	
Audit Trail (auditTrail)	Audit Trail (auditTrail)		Export	
BOOLEANCOL (System:BOOLEANCOL)	BOOLEANCOL (System: BOOLEANCOL)			
Created (created)	Created (Created Date)			
Created By (created By)	Created By (Author)			
Datepopup (System:Datepopup)	Datepopup (System:Datepopup)	×		
		/		
	< Back Next > Finis	sh	Cano	el

Figure 4-12 Property Mapping Screen

Here, Source properties are mapped with target properties by default.

If source properties are not mapped with target properties by default, select source property and select target property then click on Map button.

If Yellow marked clickable area appears, additional properties might be available in source. To include these additional properties in target as well, perform following action:

• Click on yellow marked clickable area, Missing Properties screen appears

Missing Properties in Target			×
Some properties exist in the items being Unless matching properties are created properties will be lost. Also note that Cor on properties which are renamed or are Notice that this change will be ap	in the target location, the nputed properties might f missing.	e data contained ail to create if th	
Select properties to add to the target I	ocation:		
Missing Property	Туре	Usage	Check All
☐ Filename (filename) ☐ GTextField_single (System:GTe	Short Text Short Text	1	Clear All
ОК		Cancel	

Figure 4-13 Missing Properties in Target Screen

- Select required properties or all, then click on OK button.
- 11. Click on **Next**, Property Mapping screen appears for another property set. Perform the action as described in step 8 until Value mapping screen appears.

Deploy Wizard		—	
Value Mapping: asteroidnepal.share Please map values appearing in the source	<pre>point.com/sites/M/Shared Documents - LiveLin ce items to their matching target values.</pre>	nk Item Type 1	ſex
Sources:	Targets:		
Values Alias Filter: Mapped:	Values Project Project Workspace Query File Related Business Workspace	~	Мар
Source	Target	^	Remove
! <default>!</default>	! <empty>!</empty>		Import
Binder	Binder		Export
Blog	Blog	×	
<		>	
Add all unmapped values as legal target p Remove unmapped target values.	roperty values.		
	< Back Next >	Finish	Cancel

Figure 4-14 Value Mapping Screen

Here, value mappings for Groups/Users/Property value appears in subsequent screens. You can select the source value and map with the target value as described in previous steps. 12. Click on Next until Ready To Deploy screen appears.

Deploy Wizard — 🗆 🗙
Ready to Deploy
The Deployment Wizard finished gathering all required information. Please press the Next button to start deploying.
< Back Next > Finish Cancel

Figure 4-15 Ready To Deploy Screen

- 13. Click on **Next**, Deployment wizard finishes. A deployment report is generated and link for it is displayed. Click on link to view the deployment report. The report is opened in the browser.
- 14. Click on Next, Deploy Security screen appears (if Security option is selected in step 2).
- 15. Click on Next, Deployment process finishes.

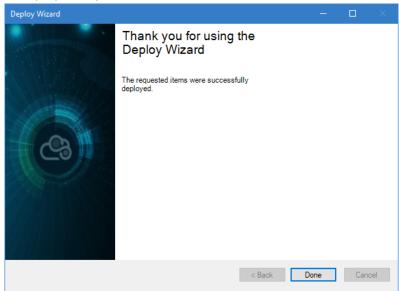


Figure 4-16 Deploy Finish Screen

16. Click on **Done** to close the screen.

Here, the deployment process is completed. Your project window seem like:

🗟 lltest.tde* - Tzunami Deployer						×
<u>F</u> ile <u>V</u> iew <u>D</u> ata <u>T</u> ools <u>H</u> elp						
🗋 🧀 🛃 🏥 🚰 🔰 🤧 🛄 🗸 🕹 🥥 🕴 LiveLink:	🔚 Export 🔛 Load 🦷	🔛 Global ACL	🔛 Delta Deployn	nent :		
LivelinkExport (1/2 , 1/2)	Name bbb.txt		Deployed To https://asteroi	Title bbb.txt	Filenar bug for	
□] 14 (1/3) □] 19 14 (1/3)	< Name	#Versions	Deployed From		ID Conter	nt Ty
Cocuments (1/1)(0) Cocuments (1/1)(0) Cocuments (1/1)(0) Cocuments (1/2)(0) Cocuments (1/2)(0	Files and Folders —	1	D:\DeployerMi			
	<					
Target SharePoint Online						

Figure 4-17 Deployed Content in Project

Here, you can view the structure, property and values for the deployed items in lower section of the screen. The target source is not updated yet. When you perform the commit process, the deployed content will be migrated to target source.

5 MIGRATTING DATA

This chapter explains how to commit the deployed content to target SharePoint. This chapter contains the following topics:

5.1 START THE MIGRATION PROCESS

5.1.1 Migrate

To migrate the changes to the SharePoint server:

- Select Data > Target SharePoint <SharePoint version> Migrate to <SharePoint version>.
 If the Tzunami Deployer project was modified since it was last saved, Tzunami Deployer informs you that the current project data will be saved.
 Tzunami Deployer prompts you to verify that you wish to commit your changes to SharePoint.
- 2. Click **Yes**. Tzunami Deployer begins committing your changes and displays a progress window indicating the number of modifications being made to the SharePoint server, as well as the progress and time estimation.

ð Migrate		
Migrate Done]	
i Information i Information i Information i Information	t: Description Operation 3/5 Succeeded. Operation 4/5 started (Use unique permissions) Operation 5/5 started (Modfying permissions) Updating ACL for item https://asteroidnepal.sharepoint.com/sites. Operation 5/5 Succeeded.	
Success	Finished migrating commands, saving project Migration finished.	~
	☐ Warnings only ✓ Auto-scroll View Save # Pause Resume Cancer	
St	art Verification Open View Reports C	lose

Figure 5-1: Commit Progress Screen

When the committing process completes successfully, you have finished migrating your content. Now, the deployed content is reflected in the target. You can open the target site and verify the contents with respect to source items.

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For further information, you can contact Tzunami Inc. at:

Tzunami Inc.

601 108th Avenue, NE

Suite 1900

Bellevue, WA 98004, USA

Email: sales@tzunami.com, support@tzunami.com

Web: http://www.tzunami.com