

2014

Templar Deployment Automation Cookbook

The purpose of this document is to:

- Get information about which services and methods can be used for deployment automation.
- This document is intended for Developers.



If you have comments /queries about this documentation, email them to:

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Introduction

For automation of Templar deployments and any other routine\manual activity Templar exposes two API's

1. Templar Deployment Service (henceforth referred to as TDS) and
2. Templar Site Management Service (henceforth referred to as TSMS)

These two services provide various APIs for deployment automation of key Templar assets. They allow management of cultures, themes, widgets, sites, templates etc. Below we have mentioned common areas and the methods available for performing key tasks in this area. For information regarding how to access TDS or TSMS, please refer their relevant documentation provided with the Templar release.

Global Culture

Task	Recipe
Get list of all global cultures	Call TDS.GetArtifactList with EntityType set to GlobalCulture
Get detailed global culture object	Call TDS.GetArtifactDetail with EntityType set to GlobalCulture and Id set to required CultureInstanceId
Add new global culture	Call TDS.CreateArtifact with LanguageCode and CountryCode set to intended codes. Zipped content downloaded earlier can also be passed to populate newly created culture with that data.
Update a global culture from another culture	Call TDS.UpdateArtifact with EntityToUpdateFrom and EntityToBeUpdated set to respective global cultures and CompleteUpdate set to true.
Download zipped content	Call TDS.DownloadArtifact with Type set to GlobalCulture and ArtifactId set to corresponding cultureInstanceId.
Publish global culture	Call TDS.PublishArtifact with Type set to GlobalCulture and ArtifactId set to corresponding cultureInstanceId.
Delete a global culture	Call TDS.DeleteArtifact with Type set to GlobalCulture and ArtifactId set to corresponding cultureInstanceId.
Sync all global cultures from deployment A to B	Call A.TDS.GetArtifactList with EntityType set to GlobalCulture. Call B.TDS.GetArtifactList with EntityType set to GlobalCulture. Foreach culture in culturesFromA union culturesFromB If culture in both culturesFromA and culturesFromB Update culture at B from culture at A Else if culture in culturesFromB and not in culturesFromA Delete culture at B Else if culture in culturesFromA and not in culturesFromB Create culture at B Update culture at B from culture at A

Global Theme

Task	Recipe
Get list of all global themes	Call TDS.GetArtifactList with EntityType set to GlobalTheme
Get detailed global theme object	Call TDS.GetArtifactDetail with EntityType set to GlobalTheme and Id set to required themeld
Add new global theme	Call TDS.CreateArtifact with Name set to intended name.
Update a global theme from another theme	Call TDS.UpdateArtifact with EntityToUpdateFrom and EntityToBeUpdated set to respective global themes and CompleteUpdate set to true.
Download zipped content	Call TDS.DownloadArtifact with Type set to GlobalTheme and ArtifactId set to corresponding themeld.
Publish global theme	Call TDS.PublishArtifact with Type set to GlobalTheme and ArtifactId set to corresponding themeld.
Delete a global theme	Call TDS.DeleteArtifact with Type set to GlobalTheme and ArtifactId set to corresponding themeld.
Sync all global themes from deployment A to B	Call A.TDS.GetArtifactList with EntityType set to GlobalTheme. Call B.TDS.GetArtifactList with EntityType set to GlobalTheme. Foreach theme in themesFromA union themesFromB If theme in both themesFromA and themesFromB Update theme at B from theme at A Else if theme in themesFromB and not in themesFromA Delete theme at B Else if theme in themesFromA and not in themesFromB Create theme at B Update theme at B from theme at A

Widgets

Task	Recipe
Get list of all widgets	Call TDS.GetArtifactList with EntityType set to Widget
Get detailed widget object	Call TDS.GetArtifactDetail with EntityType set to Widget and Id set to required widgetId
Add new widget	Call TDS.CreateArtifact with Name, Description, ImageUrl, Url and State set to intended values.
Sync widget list between two deployments	Call TDS.SyncWidgetList providing the deployment details from which list is to be synced. Existing widgets are updated and new widgets are added during widget sync. No widgets are deleted during this operation.

Template

Task	Recipe
Get list of all templates	Call TDS.GetArtifactList with EntityType set to Template
Get detailed template object	Call TDS.GetArtifactDetail with EntityType set to Template and Id set to required templateId.
Create a new template	Call TDS.CreateArtifact with CreateTemplateRQ containing either SiteId from which template is to be created or ZipContent of earlier downloaded template.

Download a template	Call TDS.DownloadArtifact with Type set to Template and ArtifactId containing required templateId.
Delete a template	Call TDS.DeleteArtifact with Type set to Template and ArtifactId containing id of template to be deleted.

Site

Task	Recipe
Get list of all sites	Call TDS.GetArtifactList with EntityType set to Site
Get detailed site object	Call TDS.GetArtifactDetail with EntityType set to Site and Id set to required siteId.
Create a new site	Call TDS.CreateArtifact with CreateSiteRQ containing Name, Url Description. When creating site from template, pass respective templateId in TemplateId field.
Delete a site	Call TDS.DeleteArtifact with Type set to Site and ArtifactId containing id of site to be deleted.

Site level themes

Task	Recipe
Get list of all themes for a site	Call TSMS.GetSite with SiteId set to required siteId. Returned site object contains list of all theme objects for the site.
Add new site level theme	Get corresponding site object by calling TSMS.GetSite with the siteId. Add a new theme object to site.Themes listing. Pass updated site object to TSMS.UpdateSite.
Upload data to existing site level theme	Call TSMS.UploadTheme with ThemeId set to Id of theme to be updated and Data containing zipped content to be merged with existing theme data.
Download data from existing site level theme	Call TSMS.DownloadTheme with ThemeId set to Id of theme to be downloaded.

Site level cultures

Task	Recipe
Get list of all cultures for a site	Call TSMS.GetSite with SiteId set to required siteId. Returned site object contains list of all culture objects for the site.
Add new site level culture	Get corresponding site object by calling TSMS.GetSite with the siteId. Add a new culture object to site. Cultures listing. Pass updated site object to TSMS.UpdateSite.
Upload data to existing site level culture	Call TSMS.UploadGlobalizationData with CultureInstanceId set to cultureInstanceId of culture to be updated and Data containing zipped content to be merged with existing culture data.
Download data from existing site level culture	Call TSMS.DownloadGlobalizationData with CultureInstanceId set to Id of culture to be downloaded.

Site level resources

Task	Recipe
Get list of all resources for a site	Call TSMS.GetSite with SiteId set to required siteId. Returned site object contains list of all resources for the site.

Add new site level resource	Call <code>TSMS.AddOrUpdateSiteResource</code> with all fields containing respective value. If an existing resource has same key, it will be updated.
Update site level resource	Call <code>TSMS.AddOrUpdateSiteResource</code> with all fields containing respective value. If no resource exists with specified key, a new resource will be added.
Download data from existing site level resource	Call <code>TSMS.DownloadSiteResource</code> with either <code>ResourceId</code> set to <code>Id</code> of resource to be downloaded or setting <code>SiteId</code> and <code>ResourceKey</code> for the resource to be downloaded.

Site details

Like environment data, error handling details etc.

Task	Recipe
Update	Get site object by calling <code>TSMS.GetSite</code> . After doing the required changes in the site object, pass this object to <code>TSMS.UpdateSite</code> .

Page details

Like page title, page data values etc.

Task	Recipe
Update	Get site object by calling <code>TSMS.GetSite</code> . After doing the required changes in the page listing of site object, pass this object to <code>TSMS.UpdateSite</code> .

Widget instance details

Like title, state etc.

Task	Recipe
Update	Get site object by calling <code>TSMS.GetSite</code> . After doing the required changes in corresponding widget instances under page listing of site object, pass this object to <code>TSMS.UpdateSite</code> .