

2014

# Templar Site Management Service Developer Guide

The purpose of this document is to:

- Understand how to use Templar site management service.
- This document is intended for Developers.



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

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## Introduction

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As the name suggests Templar Site Management Service (TSMS) is used to programmatically manage all site related activities for Templar deployment.

At a high level it provides release enabling features like the ability to create and manage sites on a deployment. Including changes to environment data, domain settings, page title changes, SEO setting changes, adding pages, copying pages and others. This service is the recommended way to build automation tools for easing site management within an environment.

## How to access it?

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The TSMS can be accessed at `/Templar/Services/TemplarSiteManagementService.svc` url on the base Templar deployment.

To use TSMS, you will need to create a client and use it to call the TSMS. You can do this using the `svcutil.exe` tool from the command line with the following syntax:

```
svcutil.exe http://templarDeployment.com/Templar/Services/TemplarSiteManagementService.svc?wsdl
```

This will generate a configuration file and a code file that contains the client class. Add the two files to your client application and use the generated client class to call the Service. For example:

```
class Sample
{
    static void Main()
    {
        TemplarSiteManagementServiceClient client = new TemplarSiteManagementServiceClient();

        // Use the client variable to call operation on the service.

        // Always close the client.
        client.Close();
    }
}
```

## Recommendations

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1. Always host it on SSL as clear-text password is sent as part of request.
2. Avoid using it on production environment as some methods may be time consuming.

## Common Parameters

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### Common Request Parameters

Every request to the service must contain authentication information described below.

Name	Type	Description
Username	String	Templar username for the deployment
Password	String	Password for the above specified username

### Common Response Parameters

Every response from the service contains following information related to the status of operation performed.

Name	Type	Description
IsSuccessful	Bool	Is true if operation was performed successfully, else false.
Message	String	Contains message corresponding to status of the operation performed.
ResponseCode	Int	Response code corresponding to status of the service call.

### Common Error Messages

Code	Message	Description
401	Authentication failed	Server was not able to authenticate using username and password provided.
500	Error occurred while processing your request	Some unexpected error occurred while performing the operation on server. Check server exception logs for further details.

## Service Methods

### 1. GetSiteList

Returns list containing metadata of sites at current server.

Request Object Structure: GetSiteListRQ

Only common request parameters described above are required to call this method.

Response Object Structure: GetSiteListRS

Along with common response parameters, following information is also returned as a part of response object.

Name	Type	Description
Sites	List< <a href="#">SiteInfo</a> >	List containing metadata of the sites.

Sample Request Object

```
var request = new Proxy.GetSiteListRQ()
{
    Username = "myusername",
    Password = "mypassword"
};
```

Sample Response Object

```
<Sites>
  <Site>
    <Id>1</Id>
    <Name>My First Site</Name>
    <Url>siteone</Url>
    <Description>This is my first site</Description>
  </Site>
  <Site>
    <Id>2</Id>
    <Name>My Second Site</Name>
    <Url>sitetwo</Url>
    <Description>This is my second site</Description>
  </Site>
</Sites>
```



## 2. GetTemplateList

Returns list containing list of metadata of templates on current server.

### Request Object Structure: GetTemplateListRQ

Only common request parameters described above are required to call this method.

### Response Object Structure: GetTemplateListRS

Along with common response parameters, following information is also returned as a part of response object.

Name	Type	Description
Templates	List< <a href="#">TemplateInfo</a> >	List of metadata of templates.

### Sample Request Object

```
var request = new Proxy.GetTemplateListRQ()
{
    Username = "myusername",
    Password = "mypassword"
};
```

### Sample Response Object

```
<Templates>
  <Template>
    <Id>1</Id>
    <Name>My First Template</Name>
    <Description>This is my first template</Description>
  </Template>
  <Template>
    <Id>2</Id>
    <Name>My Second Template</Name>
    <Description>This is my second template</Description>
  </Template>
</Templates>
```

### 3. GetSite

Returns site entity containing complete information for the site.

#### Request Object Structure: GetSiteRQ

Along with common request parameters described above, following information is also expected by the service.

Name	Type	Description
Siteld	Long	Id of the site whose details are to be fetched.
SectionsToInclude	List< <a href="#">SiteSection</a> >	List of site sections defined in SiteSection enumeration which needs to be included in response.

#### Response Object Structure: GetSiteRS

Along with common response parameters, following information is also returned as a part of response object.

Name	Type	Description
Site	<a href="#">Site</a>	Contains information for the site.

#### Sample Request

```
var response = Client.GetSite(new Proxy.GetSiteRQ()
    {
        Username = "user_name",
        Password = "password",
        SiteId = 112,
        SectionsToInclude = siteSections
    });
```

Sample Response

```

<Site>
  <Id>1</Id>
  <Name>My First Site</Name>
  <Description>This is my first site</Description>
  <Url>siteone</Url>
  <Status>Online</Status>
  ⊞ <MappedToDomains>
  ⊞ <Pages>
    .
    .
    .
  ⊞ <Cultures>
  ⊞ <Resources>
</Site>

```

#### 4. GetSiteFromTemplate

Returns site entity containing information parsed from specified template.

Request Object Structure: GetSiteFromTemplateRQ

Along with common request parameters described above, following information is also expected by the service.

Name	Type	Description
TemplateId	Long	Id of the template from which details are to be fetched.

Response Object Structure: GetSiteFromTemplateRS

Along with common response parameters, following information is also returned as a part of response object.

Name	Type	Description
Site	<a href="#">Site</a>	Contains information for the site.

Sample Request

```

var request = new Proxy.GetSiteFromTemplateRQ()
{
    Username = "myusername",
    Password = "mypassword",
    TemplateId = 1468
};

```

Sample Response

```

<Site>
  <Id>1</Id>
  <Name>My First Site</Name>
  <Description>This is my first site</Description>
  <Url>siteone</Url>
  <Status>Online</Status>
  ⊕ <MappedToDomains>
  ⊕ <Pages>
    .
    .
    .
  ⊕ <Cultures>
  ⊕ <Resources>
</Site>

```

## 5. UpdateSite

Updates the site specified in request object with details provided.

Request Object Structure: UpdteSiteRQ

Name	Type	Description
SiteId	Long	Contains site id of the site to be updated.
Commands	List< <a href="#">Command</a> >	Contains a list of AddOrUpdate and/or Remove commands. Depending upon which command is passed the action is executed for specified Site.

Response Object Structure: UpdateSiteRS

Only common response parameters containing information about the update operation are returned as part of response from server.

Sample Request

```

var request = new Proxy.UpdateSiteRQ()
{
    Username = Username,
    Password = Password,
    SiteId = SiteId,
    Commands = new List<Proxy.Command>()
    {
        new Proxy.SetDefaultCultureCommand()
        {
            Name = CultureCode
        },
        new Proxy.AddThemeCommand()
        {
            Name = ThemeName,
            Description = Description,
            CopyFrom = new Proxy.ThemeSource
            {
                SiteId= SourceSiteId,
                ThemeName = SourceThemeName
            }
        }
    }
};

```

## 6. AddOrUpdateSiteResource

Can be used to add or update site level resource to an existing site along with content. If specified key matches an existing resource, it will be updated else added.

Request Object Structure: AddOrUpdateSiteResourceRQ

Along with common request parameters described above, following information is also expected by the service.

Name	Type	Description
SiteId	Long	Id of target site.
Key	String	Key to be used for storing the resource.
Data	Byte[]	Content of the resource.
ContentType	String	Mime type of the resource file.
IsPublic	Bool	True if resource is to be accessed using url.
Comment	String	Comment, if any, while adding or updating resource.

Response Object Structure: AddOrUpdateSiteResourceRS

Along with common response parameters, following information is also returned as a part of response object.

Name	Type	Description
LiveModeUrl	String	Url to be used to access resource in live mode.
PreviewUrl	String	Url to be used to preview resource.

Sample Request

```
var request = new Proxy.AddOrUpdateSiteResourceRQ()
{
    Username = "myusername",
    Password = "mypassword",
    SiteId = 1,
    Key = "sampleKey",
    IsPublic = true,
    Data = ...BinaryData...,
    ContentType = "text/xml"
};
```

Sample Response

```
<Response>
  <Status>
    <IsSuccessful>True</IsSuccessful>
    <Message></Message>
    <ResponseCode>200</ResponseCode>
  </Status>
  <PreviewUrl>/preview/site/sr/resourcekey</PreviewUrl>
  <LiveModeUrl>/site/sr/resourcekey</LiveModeUrl>
</Response>
```

## 7. UploadTheme

It can be used to upload zipped content to an existing site level theme.

Request Object Structure: UploadThemeRQ

Along with common request parameters described above, following information is also expected by the service

Name	Type	Description
Themeld	Long	Id of the target theme.
Data	Byte[]	Zipped content of theme.

#### Response Object Structure : UploadThemeRS

Only common response parameters containing information about the update operation are returned as part of response from server.

#### Sample Request

```
var request = new Proxy.UploadThemeRQ()
{
    Username = "myusername",
    Password = "mypassword",
    ThemeId = 1,
    Data = ...BinaryData...
};
```

## 8. UploadGlobalizationData

It can be used to upload globalization data in zipped format to an existing site level culture instance.

#### Request Object Structure: UploadGlobalizationDataRQ

Along with common request parameters described above, following information is also expected by the service.

Name	Type	Description
CultureInstanceId	Long	Id of target culture instance
Data	Byte[]	Zipped content of culture.

#### Response Object Structure: UploadGlobalizationDataRS

Only common response parameters containing information about the update operation are returned as part of response from server.

Sample Request

```
var request = new Proxy.UploadGlobalizationDataRQ()
{
    Username = "myusername",
    Password = "mypassword",
    CultureInstanceId = 2,
    Data = ...BinaryData...
};
```

## 9. DownloadSiteResource

It can be used to download an existing site resource.

Request Object Structure: DownloadSiteResourceRQ

Along with common request parameters described above, following information is also expected by the service

Name	Type	Description
SiteId	Long	Id of the site from which resource is to be downloaded.
Key	String	Key of the site resource.
ResourceId	Long?	Id of the resource, if known, else null.

Response Object Structure: DownloadSiteResourceRS

Along with common response parameters, following information is also returned as a part of response object.

Name	Type	Description
Data	Byte[]	Byte array containing contents of the specified site resource.

Sample Request

```
var authenticationInfo = new Proxy.AuthenticationInfo()
{
    Username = "myusername",
    Password = "mypassword"
};

var request = new Proxy.DownloadSiteResourceRQ()
{
    AuthenticationInfo = authenticationInfo,
    SiteId = 1,
    Key = "KeyForResource"
};
```



## 10. DownloadTheme

It can be used to download an existing site level theme.

### Request Object Structure: UploadGlobalizationDataRQ

Along with common request parameters described above, following information is also expected by the service

Name	Type	Description
ThemeId	Long	Id of the theme to be downloaded.

### Response Object Structure: UploadGlobalizationDataRS

Along with common response parameters, following information is also returned as a part of response object.

Name	Type	Description
Data	Byte[]	Byte array containing contents of the specified site level theme.

### Sample Request

```
var authenticationInfo = new Proxy.AuthenticationInfo()
    {
        Username = "myusername",
        Password = "mypassword"
    };

var request = new Proxy.DownloadThemeRQ()
    {
        AuthenticationInfo = authenticationInfo,
        ThemeId = 1
    };
```

## 11. DownloadGlobalizationData

It can be used to download globalization data in zipped format from an existing site level culture instance.

### Request Object Structure: DownloadGlobalizationDataRQ

Name	Type	Description
CultureInstanceId	Long	Id of target culture instance

Response Object Structure: DownloadGlobalizationDataRS

Along with common response parameters, following information is also returned as a part of response object.

Name	Type	Description
Data	Byte[]	Byte array containing contents of the specified site level theme.

Sample Request

```
var authenticationInfo = new Proxy.AuthenticationInfo()
{
    Username = "myusername",
    Password = "mypassword"
};

var request = new Proxy.DownloadGlobalizationDataRQ()
{
    AuthenticationInfo = authenticationInfo,
    CultureInstanceId = 2
};
```

## 12. UpdateCompleteSite

Updates the complete site specified in request object with details provided.

Request Object Structure: UpdateCompleteSiteRQ

Name	Type	Description
Site	<a href="#">Site</a>	Contains details of the site to be updated.

Response Object Structure: UpdateSiteRS

Only common response parameters containing information about the update operation are returned as part of response from server.

Sample Request

```
var request = new Proxy.UpdateCompleteSiteRQ()
{
    Username = "UserName",
    Password = "Password",
    Site = site
};
```

### 13. PublishSite

This method is used to publish the complete/partial Site. Internally it checks for the sections which are updated/to be published and publishes only those sections. Section could be Site Setting, Site Resources, Cultures, Pages, and Themes. It also performs delete operations for themes, if any one of is removed.

#### Request Object Structure: PublishSiteRQ

Name	Type	Description
Siteld	Long	Id of the site whose details are to be fetched.
SectionsToPublish	List< <a href="#">SiteSection</a> >	List of site sections defined in SiteSection enumeration
CreateBackup	Boolean	Decision to either create site backup or not (values: true/false)

#### Response Object Structure: PublishSiteRS

Only common response parameters containing information about the update operation are returned as part of response from server.

#### Sample Request

```
var request = new Proxy.PublishSiteRQ()
{
    Username = "UserName",
    Password = "Password",
    SiteId = siteId,
    SectionsToPublish = siteSections,
    CreateBackup = true
};
```

## 14. GetCacheDetails

This method is used to get the complete/partial Site. Internally it checks for the sections which are updated/to be published and publishes only those sections. Section could be Site Setting, Site Resources, Cultures, Pages, and Themes. It also performs delete operations for themes, if any one of is removed.

Request Object Structure: GetCacheListRQ

Only common request parameters described above are required to call this method.

Response Object Structure: GetCacheListRS

Along with common response parameters, following information is also returned as a part of response object.

Name	Type	Description
Data	List< <a href="#">GetCacheDetailRS</a> >	List containing contents of the specified cache Details with counts of cache.

Sample Request

```
var request = new GetCacheListRQ()
{
    Username = "myusername",
    Password = "mypassword"
};
```

Sample Response

```
<Response>
  <Status>
    <IsSuccessful>>false</IsSuccessful>
    <Message></Message>
    <ResponseCode>200</ResponseCode>
  </Status>
  <CacheList>
    <GetCacheDetailRS>
      <CacheName>Globalization</CacheName>
      <Count>3</Count>
      <ExtensionData />
    </GetCacheDetailRS>
  </CacheList>
</Response>
```

## 15. RemoveSiteCache

Remove the complete site cache in request object with details provided.

### Request Object Structure: RemoveSiteCacheRQ

Name	Type	Description
SiteId	<a href="#">long</a>	Contains SiteId

### Response Object Structure: RemoveSiteCacheRS

Only common response parameters containing information about the remove operation are returned as part of response from server.

### Sample Request

```
var request = new Proxy.RemoveSiteCacheRQ
{
    Username = UserName,
    Password = Password,
    SiteId = SiteId
};
```

## 16. RemoveSitePageCache

Remove the complete site cache in request object with details provided.

### Request Object Structure: RemoveSitePageCacheRQ

Name	Type	Description
SiteId	<a href="#">long</a>	Contains SiteId
PageId	<a href="#">long</a>	Contains PageId

### Response Object Structure: RemoveSiteCacheRS

Only common response parameters containing information about the remove operation are returned as part of response from server.

Sample Request

```
var request = new Proxy.RemoveSitePageCacheRQ
{
    Username = UserName,
    Password = Password,
    SiteId = SiteId,
    PageId=PageId
};
```

## Detailed Object Model

### Culture

Name	Type	Description
Id	Long	Id of culture instance
CultureCode	String	Culture code corresponding to current culture
CultureName	String	Full name corresponding to current culture
Resources	List< <a href="#">CultureResource</a> >	List of culture resources defined in current culture
Contents	List< <a href="#">CultureContent</a> >	List of culture content defined in current culture
Setting	<a href="#">CultureSetting</a>	Culture settings for current culture

### CultureContent

Name	Type	Description
Id	Long	Id of culture content
Key	String	Key for current culture content
ContentType	String	Content type of current culture content
Comment	String	Comment specified with current culture content

### CultureResource

Name	Type	Description
Id	Long	Id of culture resource
Key	String	Key used for identifying current resource
Value	String	Value of current culture resource
Comment	String	Comment specified with current culture resource
TranslationSetting	String	Translation setting for current culture resource

### CultureSetting

Name	Type	Description
------	------	-------------

DateTimeFormat	<a href="#">DateTimeFormat</a>	Contains details for date and time formatting.
NumberFormat	<a href="#">NumberFormat</a>	Contains details for number and currency formatting.
TextDirection	String	Text direction for current culture i.e. Left to right OR Right to left.
MetricSystem	String	Metric system to be used with current culture.
Yes	String	Text denoting YES in current culture.
No	String	Text denoting NO in current culture.
AdditionalInfo	Dictionary<string,string>	Additional info saved with culture setting.

## DateTimeFormat

Name	Type	Description
ShortDateFormat	String	Formatting to be used while displaying date in short format.
LongDateFormat	String	Formatting to be used while displaying date in long format.
TimeFormat	String	Formatting to be used while displaying time.
DateSeparator	String	Symbol to be used as date separator.
TimeSeparator	String	Symbol to be used as time separator.
AMDesignator	String	Text to be used for denoting AM.
PMDesignator	String	Text to be used for denoting PM.
Day	List< <a href="#">DayName</a> >	List of day names in current language.
Month	List< <a href="#">MonthName</a> >	List of month names in current language.

## DayName

Name	Type	Description
AbbreviatedName	String	Short day name.
Name	String	Full day name.

## EnvSetting

Name	Type	Description
Key	String	Contains key
Value	String	Contains value

## EnvSettingGroup

Name	Type	Description
TypeName	String	Contains group name
Collection	List< <a href="#">EnvSetting</a> >	Contains List of environment settings

## ErrorPage

Name	Type	Description
StatusCode	Int	Status code of error
Redirect	String	Url of page to be displayed

## EventInfoMapping

Name	Type	Description
SourceKey	String	Contains key of event in source widget
MappedKey	String	Contains mapped key from destination widget
DefaultValue	String	Default value of the key

## EventMapping

Name	Type	Description
Type	Enum	Type of event i.e. Server OR client
SourceWidgetId	Long	Id of widget instance raising the event
SourceWidgetEventName	String	Name of event in source widget
DestinationWidgetId	Long	Id of widget instance listening to the event
DestinationWidgetEventName	String	Name of event in destination widget
EventInfoMappings	List< <a href="#">EventInfoMapping</a> >	List of variable mappings

## KeyValuePair

Name	Type	Description
Key	String	Contains key
Value	String	Contains value

## MetaData

Name	Type	Description
Key	String	Contains key
Value	String	Contains value

## MonthName

Name	Type	Description
AbbreviatedName	String	Short month name.
Name	String	Full month name.

## NumberFormat

Name	Type	Description
DecimalDigits	Int	Number of digits to be displayed after decimal.
DigitGrouping	List<int>	Indicates number of digits to be grouped together.
DecimalSymbol	String	Symbol to be used for displaying decimal.
GroupSeparator	String	Symbol to be used as group separator while displaying numbers.
CurrencySymbol	String	Symbol to be used for displaying currency.
CurrencyCode	String	Code to be used with current currency.
PositiveSymbol	String	Symbol to be used with positive numbers.
NegativeSymbol	String	Symbol to be used with negative numbers.
PositiveCurrencyFormat	String	Formatting to be used for displaying positive



		currency.
NegativeNumberFormat	String	Formatting to be used for displaying negative numbers.
NegativeCurrencyFormat	String	Formatting to be used for displaying negative currency.

## Page

Name	Type	Description
Id	Long	Id of the page
Name	String	Name of the page
Title	String	Title of the page
RelativeUrl	String	Url of the page
LayoutType	Int	Layout type of the page. Details of layout code are <a href="#">here</a> .
PageAlign	Int	Alignment of the page
IsDirty	Bool	Is true if changes are made in the page after last publish
IsLogin	Bool	Is true if the page is set as login page for site
IsAuthenticationRequired	Bool	Is true if page requires user to logged in
IsMaster	Bool	Is true for master pages
MasterPageId	Long	Contains id of master page in case one exists
State	String	State of the page
ConnectionType	String	Connection type specified for the page
DocType	Enum	HTML Doctype for current page
Style	XElement	Style information for current page
WidgetInstances	List< <a href="#">WidgetInstance</a> >	List of widget instances present on the page
PageEnvironmentData	List< <a href="#">KeyValuePair</a> >	List of page data associated with the page
PageScripts	List< <a href="#">EnvSetting</a> >	List of scripts to be included in current page
Items	ConcurrentDictionary<string, string>	Concurrent dictionary for item storage
MetaData	List< <a href="#">KeyValuePair</a> >	List of meta data associated with the page
WidgetEventMappings	List< <a href="#">EventMapping</a> >	List of event mappings associated with the widget instances present on the page

## PageLayouts

Code	Layout
0	3 – Panel
1	Small Left Panel
2	Small Right Panel
3	Small Side Panels
4	Single Panel

## Site

Name	Type	Description
Id	Long	Id of the site.
Name	String	Name of the site.
Description	String	Description of the site.
Url	String	Url of the site.
CreatedDate	DateTime	Date on which site was created.
ModifiedDate	DateTime	Last modified date time of site.
Status	String	Offline OR Online.
Theme	Long	Id of default theme.
DefaultPage	Long	Id of default Page.
DefaultPageLayout	Int	Default layout for site pages. Details of layout codes <a href="#">here</a> .
MappedToDomain	List<string>	List of domains mapped with the site.
IsPublished	Bool	Is true if site has been published in past.
State	String	State of the site.
Pages	List< <a href="#">Page</a> >	List of pages in the site.
Themes	List< <a href="#">Theme</a> >	List of themes in the site.
GlobalThemes	List<string>	List of global themes included in the site.
CustomErrorPages	List< <a href="#">ErrorPage</a> >	List of custom error pages defined for the site.
DefaultCulture	String	Culture code of current default culture.
SiteMetaData	List< <a href="#">MetaData</a> >	List of site level meta data.
ApplyingStrategy	String	Strategy to be used for applying globalization.
HeaderCode	String	Header code to be emitted on every page.
FooterCode	String	Footer code to be emitted on every page.
InheritedCultures	List<string>	List of global cultures included in the site.
Cultures	List< <a href="#">Culture</a> >	List of cultures defined for the site.
Style	XElement	Style information for the site.
SiteSettings	List< <a href="#">EnvSettingGroup</a> >	List of site setting groups.
PageScripts	List< <a href="#">EnvSetting</a> >	List of scripts defined at site level.
Resources	List< <a href="#">SiteResource</a> >	List of site resources.

## SiteInfo

Name	Type	Description
Id	Long	Id of the site
Name	String	Name of the site
Url	String	Url of the site
Description	String	Description of the site

## SiteResource

Name	Type	Description
Id	Long	Id of site resource
SiteId	Long	Site id of current resource
Key	String	Key used for current resource
ContentType	String	Content type of current resource

IsPublic	Bool	True of the resource is accessible using url
AddedOn	DateTime	Date time when the resource was added

## SiteSection

Type	Description
enum	SiteSection is a enumeration and below are the values of this enum - Complete CustomDomains Pages Themes ErrorCodes Metadata SEOCODE Cultures EnvironmentData PageScripts Resources

## TemplateInfo

Name	Type	Description
Id	Long	Id of the template
Name	String	Name of the template
Description	String	Description of the template

## Theme

Name	Type	Description
Id	Long	Id of the theme
Name	String	Name of current theme
Description	String	Description of current theme
Path	String	Path for current theme contents
StateXml	XElement	Contains data stored in state

## ThemeSource

Name	Type	Description
SiteId	String	This is site id
ThemeName	String	Theme name to be copied

## Widget

Name	Type	Description
Id	Long	Id of the widget
Name	String	Name of the widget
State	String	Default state of the widget
Url	String	Url of the location of widget
Icon	String	Url for icon file of the widget

Description	String	Description of the widget
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## WidgetInstance

Name	Type	Description
Id	Long	Id of widget instance
ContainerId	Long	Id of container containing the widget instance
BaseWidget	<a href="#">Widget</a>	Object containing details of base widget
Title	String	Title of widget instance
Row	Int	Row number of widget instance
Column	Int	Column number of widget instance
State	String	State corresponding to the widget instance

## Command

Command is a class type (abstract) which has two sub types Remove Command and Add or update Command. Remove Command is used to remove entities like Global Cultures, Site Meta Tags, Themes etc. On the same line Add or update Command is used to either Add or update entities.

Class Name	Type of	Description
RemoveCommand	<a href="#">RemoveCustomDomainsCommand</a> <a href="#">RemoveEnvironmentDataCommand</a> <a href="#">RemoveErrorCodesCommand</a> <a href="#">RemovePageDataCommand</a> <a href="#">RemovePageMetaTagsCommand</a> <a href="#">RemovePageScriptsCommand</a> <a href="#">RemoveResourcesCommand</a> <a href="#">RemoveScriptsCommand</a> <a href="#">RemoveSiteMetaTagsCommand</a> <a href="#">RemoveThemesCommand</a> <a href="#">ExcludeGlobalCulturesCommand</a> <a href="#">ExcludeGlobalThemesCommand</a> <a href="#">RemoveSEOFooterCommand</a> <a href="#">RemoveSEOHeaderCommand</a> <a href="#">RemoveEnvironmentDataGroupCommand</a>	Command to remove entities like Global Cultures, Site Meta Tags, Themes etc.
AddOrUpdateCommand	<a href="#">AddCustomDomainsCommand</a> <a href="#">AddOrUpdateEnvironmentData</a> <a href="#">AddOrUpdateErrorCodesCommand</a> <a href="#">AddOrUpdatePageDataCommand</a> <a href="#">AddOrUpdatePageMetaTagsCommand</a> <a href="#">AddOrUpdatePageScriptsCommand</a> <a href="#">AddOrUpdateResourceCommand</a> <a href="#">AddOrUpdateScriptsCommand</a> <a href="#">AddOrUpdateSiteMetaTagsCommand</a> <a href="#">AddThemeCommand</a> <a href="#">IncludeGlobalCulturesCommand</a> <a href="#">IncludeGlobalThemesCommand</a> <a href="#">SetDefaultCultureCommand</a>	Command to Add or update entities like Global Cultures, Site Meta Tags, Themes etc.

	<a href="#">SetDefaultThemeCommand</a> <a href="#">UpdateSEOFooterCommand</a> <a href="#">UpdateSEOHeaderCommand</a>	
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### RemoveCustomDomainsCommand

This is used to remove/delete Custom Domains associated with the Site. List of string containing domain names can be supplied to achieve this.

Name	Type	Description
Domains	List<string>	List of domain names to be removed from the site domain data.

### AddCustomDomainsCommand

This is used to add/insert Custom Domains associated with the Site. List of string containing domain names can be supplied to achieve this.

Name	Type	Description
Domains	List<string>	List of domain names to be added to the site domain data.

### RemoveEnvironmentDataCommand

This is used to remove/delete environment data. Group name and list of string containing keys to the data can be supplied to achieve this.

Name	Type	Description
Group	string	Group name from which environment data is to be removed
Keys	List<strings>	List of keys to the data to remove

### AddOrUpdateEnvironmentData

This is used to add or update environment data. Group name and list of key-value pair containing keys and values can be supplied to achieve this.

Name	Type	Description
Group	string	Group name to which environment data is to be added or updated
Data	List<KeyValuePair>	List of key-value pair which is actual data to be added

### RemoveErrorCodesCommand

This is used to remove/delete error codes associated with the page's status codes. List of string containing error codes can be supplied to achieve this.

Name	Type	Description
Codes	List<string>	List of error codes to be removed from the site

		page status codes.
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### AddOrUpdateErrorCodesCommand

This is used to add or update error codes associated with the page's status codes. List of key and value pairs containing error codes can be supplied to achieve this.

Name	Type	Description
Codes	List< KeyValuePair >	List of error codes and values as key value to be added or updated to the site page status codes.

### RemovePageDataCommand

This is used to remove/delete page data associated with the page. Page Id and list of string containing keys to the data can be supplied to achieve this.

Name	Type	Description
PageId	String	Page Id from which page data is to be removed
Keys	List<string>	List of keys to the data to be removed from the page data

### AddOrUpdatePageDataCommand

This is used to add or update page data associated with the page. Page Id and list of key and value pairs containing actual data can be supplied to achieve this.

Name	Type	Description
PageId	String	Page Id to which page data is to be added or updated
Data	List< KeyValuePair >	List of page data and keys to the data to be added or updated to the site page status codes.

### RemovePageMetaTagsCommand

This is used to remove/delete page data tags associated with the page. Page Id and list of string containing tags can be supplied to achieve this.

Name	Type	Description
PageId	String	Page Id from which page meta tags is/are to be removed
Tags	List<string>	List of keys to the page meta tags to be removed from the page data

### AddOrUpdatePageMetaTagsCommand

This is used to add or update page metadata associated with the page. Page Id and list of key and value pairs containing actual data can be supplied to achieve this.

Name	Type	Description
PageId	String	Page Id to which page metadata (tags) is/are to

		be added or updated
Tags	List< KeyValuePair >	List of page metadata and keys to the data to be added or updated to the site page metadata.

### RemovePageScriptsCommand

This is used to remove/delete scripts associated with the page. Page Id and list of string containing page script names can be supplied to achieve this.

Name	Type	Description
PageId	String	Page Id from which page scripts to be removed
Keys	List<string>	List of script names to be removed from the page scripts

### AddOrUpdatePageScriptsCommand

This is used to add or update page scripts to the page data. Page Id and list of key and value pair containing actual data can be supplied to achieve this.

Name	Type	Description
PageId	String	Page Id to which page scripts data is to be added or updated
Scripts	List< KeyValuePair >	List of page script data and keys to the data to be added or updated to the site page

### RemoveResourcesCommand

This is used to remove/delete site resources. List of string containing site resource names can be supplied to achieve this.

Name	Type	Description
Keys	List<string>	List of resource names to be removed from the site data

### AddOrUpdateResourceCommand

This is used to add or update resource/theme to the site data. Page Id and list of key and value pair containing actual data can be supplied to achieve this.

Name	Type	Description
Key	string	Key is used to get the resource information from the site data
Comment	string	To add a comment when site resource or theme is added or updated to site data
AllowPublicAccess	Boolean	To allow public access to resource or not
Data	Byte[]	Actual data to be added or updated
ContentType	String	Content type
CopyFrom	String	A key which tells copy from info.

## RemoveScriptsCommand

This is used to remove/delete scripts associated with the site. List of string containing script names can be supplied to achieve this.

Name	Type	Description
Keys	List<string>	List of script names to be removed from the site scripts

## AddOrUpdateScriptsCommand

This is used to add or update scripts to the site page scripts. List of key and value pair containing actual data can be supplied to achieve this.

Name	Type	Description
Scripts	List< KeyValuePair >	List of script data and keys to the data to be added or updated to the site page. Script key is used for comparison while add and update

## RemoveSiteMetaTagsCommand

This is used to remove/delete site metadata. List of string containing tags can be supplied to achieve this.

Name	Type	Description
Tags	List<string>	List of keys to the site metadata to be removed from the site data

## AddOrUpdateSiteMetaTagsCommand

This is used to add or update site specific metadata. List of key and value pairs containing actual data can be supplied to achieve this.

Name	Type	Description
Tags	List<KeyValuePair>	List of site metadata and keys to the data to be added or updated to the site metadata.

## RemoveThemesCommand

This is used to remove/delete themes associated with site. List of string containing theme names can be supplied to achieve this.

Name	Type	Description
Names	List<string>	List of theme names to be removed from the site data

## AddThemeCommand

This is used to add theme to site. Name, Description and CopyForm location can be supplied to achieve this.

Name	Type	Description
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Name	String	Name of theme to add
Description	String	Description about theme
CopyFrom	ThemeSource	This is location from theme can be copied, it contains site id and theme name

### ExcludeGlobalCulturesCommand

This is used to remove/delete global cultures from the site level globalization data. List of string containing names of the global culture can be supplied to achieve this.

Name	Type	Description
Names	List<string>	List of global culture names to be removed from the globalization data

### IncludeGlobalCulturesCommand

This is used to add/insert global cultures to the site level globalization data. List of string containing names of the global culture can be supplied to achieve this.

Name	Type	Description
Names	List<string>	List of global culture names to be added to the site level globalization data

### ExcludeGlobalThemesCommand

This is used to remove/delete Global Themes from the site level global themes. List of string containing names of the Global Themes can be supplied to achieve this.

Name	Type	Description
Names	List<string>	List of Global Theme names to be removed from the site level global themes

### IncludeGlobalThemesCommand

This is used to remove/delete global themes from the site level global themes. List of string containing names of the global themes can be supplied to achieve this.

Name	Type	Description
Names	List<string>	List of global theme names to be removed from the site level global themes

### SetDefaultCultureCommand

This is used to set site default culture. String containing name of culture can be supplied to achieve this.

Name	Type	Description
Name	string	Name of culture to be set as site default culture

## SetDefaultThemeCommand

This is used to set default theme. String containing name of theme can be supplied to achieve this.

Name	Type	Description
Name	string	Theme name to be set as site default theme

## RemoveSEOFooterCommand

This is used to remove/delete footer code. This command can be directly executed to remove footer code.

## UpdateSEOFooterCommand

This is used to update site footer code. String containing footer code is supplied to achieve this.

Name	Type	Description
Footer	String	Footer code value

## RemoveSEOHeaderCommand

This is used to remove/delete header code. This command can be directly executed to remove header code.

## UpdateSEOHeaderCommand

This is used to update site header code. String containing header code is supplied to achieve this.

Name	Type	Description
Header	String	Header code value

## RemoveEnvironmentDataGroupCommand

This is used to remove/delete environment data group. Group name can be supplied to achieve this.

Name	Type	Description
Name	string	Group name which is to be removed

## GetCacheDetailRS

This is used to remove/delete environment data group. Group name can be supplied to achieve this.

Name	Type	Description
CacheName	string	Name of cache group
SiteName	string	Site name if cache is related to particular site.
Count	int	count of cache for respective cache group.