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CSoft AS

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2. 2. Introduction

3. 3. Installation Guide

4. 4. Integration Guide

Steps to integrate CSPanorama Viewer in your application

Step 1. Fill all credentials to Get License Key

Run Pan_API_Configuration.exe from your system. Fill all the credential and generate a configuration file(.cnf file) for your system. Save the Configuration and/or send us the file by email to generate your license.
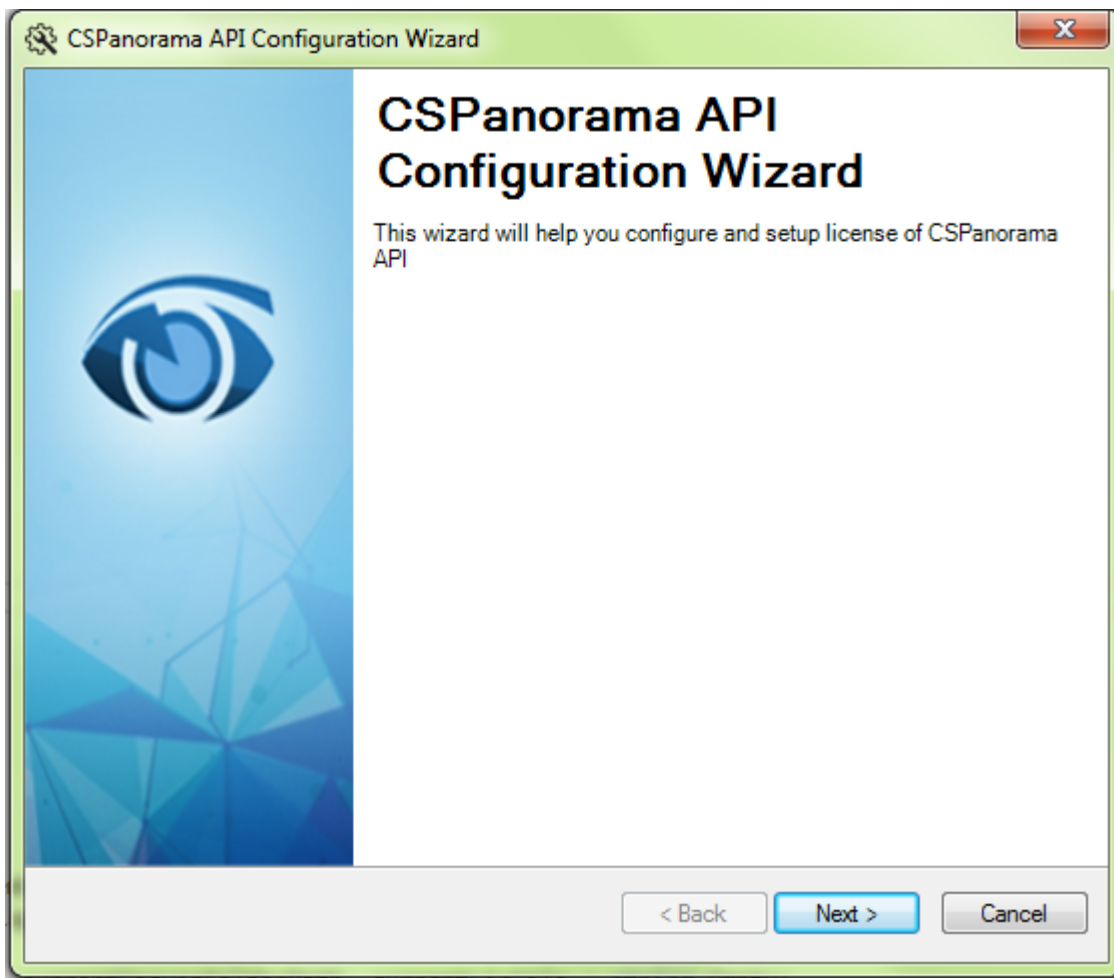

Image 1: Run the configuration wizard

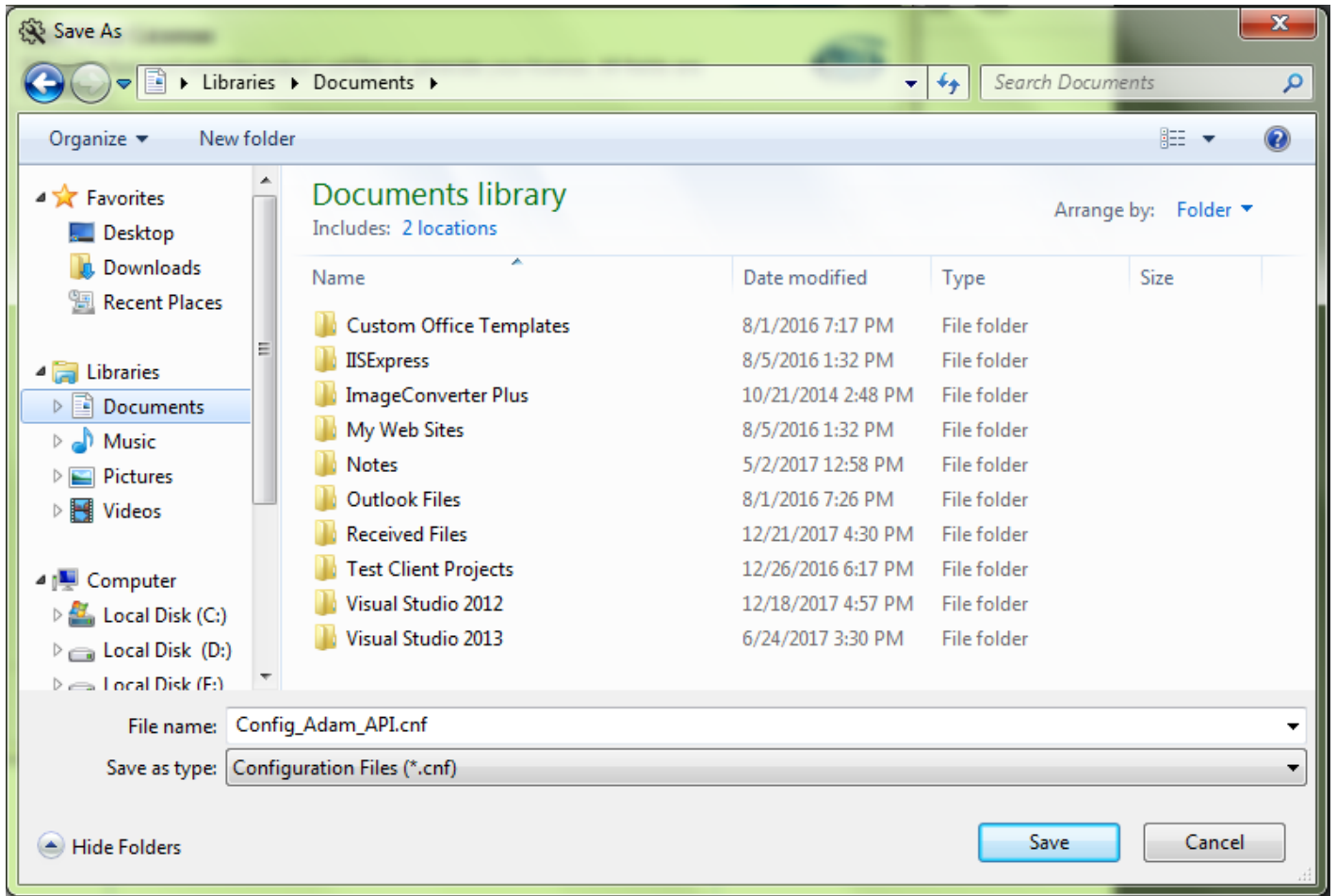*Image 2: Generate the .cnf file by providing your information*

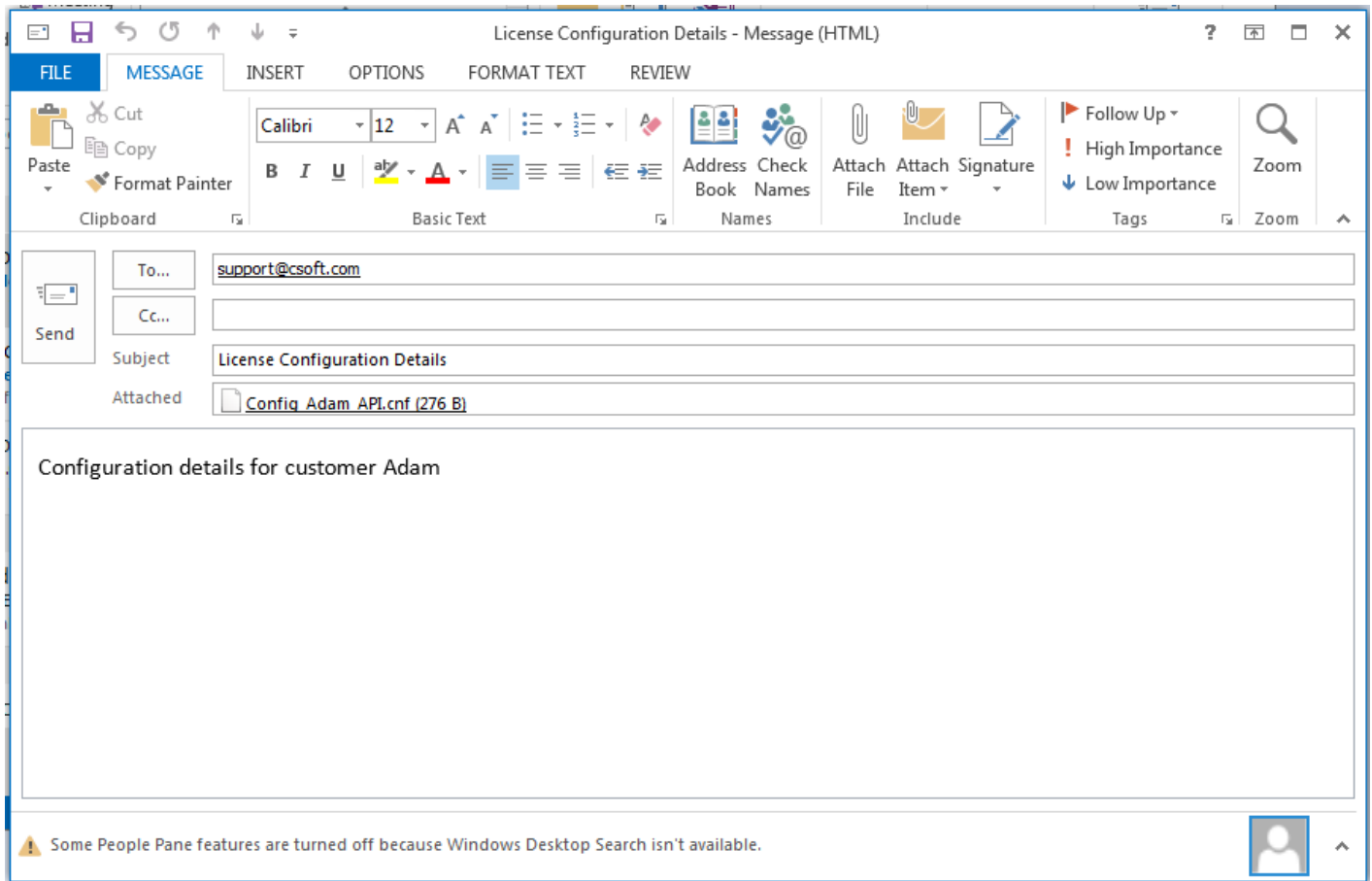*Image 3: Save the .cnf file in your system*

Image 4: send the .cnf file to support@csoft.com to get the license

Step 2: Setup CSPanorama API License

In Setup your License section, browse the valid license file received from us and upload the license into CSPanorama API web service. The wizard will show the most important features of the license.

Step 3: Configure CSPanorama API Setting

You can also use the Configuration API Setting section of the wizard to setup other required variables of the CSPanorama API. Refer to the image below for details.

Alternatively, you can use the following manual steps to configure the API.

Manually Configure CSPanorama Service

Install CSPanorama Viewer service (.SVC Service) in your IIS (Default Port).

1. In the web.config file of the hosted service set the default path from which the files will be viewed.

```
<add key="serverFolderPath" value="C:/Folder Name/"/>
```

2. In the web.config file of the hosted service, edit the 'LicFilePath' key and set the value to the path of your trial license file.

```
<add key="LicFilePath"  value="C:/Folder Name/Your_API_License.lic"/>
```

3. In the web.config file of the hosted service, set the path of the log file by editing the value of 'errorLogpath' key.

```
<add key="errorLogpath" value="C:/Folder Name/log/Err_Log.txt"/>
```

4. In the web.config file of the hosted service, set the path where the annotation files will be saved by editing the value of 'annotationFolderPath' key.

```
<add key="annotationFolderPath" value="C:/annotation_Files/"/>
```

Step 4: Configure Your Sample Application

Open the sample **"SampleAPIApplication.sln"** in Microsoft Visual Studio* from the Example folder where you have installed CSPanorama API.
Before running the application, make sure to comment out the below section and put your development license in the **AddLicense** method.

```
PanoramaAPI.AddLicense("Your_Development_License_Key")
```

Step 5: Add CSPanorama Viewer in the Application

Create a div in your web application and set its ID to **"Panorama-Viewer"** to display the CSPanorama viewer in your application. You can design the viewer as per your wish but you can't override any property of the div **"Panorama-Viewer"**.

```
<div id="sampleDiv">
…
<div id="Panorama-Viewer"></div>
```

```
…
</div>
```

Step 6: Authentication of CSPanorama API License in the Application

Put your CSPanorama API development license key along with your application. In your application add the two dll as mentioned below and call the method.

1. Consac.License
2. LogicNP.CryptoLicensing

```
CSPanoramaAPI.AddLicense ("your_development_license_Key");
```

> ✱ **NOTE:** If your development machine is also the deployment machine then call:
> CSPanoramaAPI.AddLicense("Deployment_License_Key",
> "Development_License_Key");

Step 7: Configure CSPanorama Viewer

In the example application provided, inspect the method FileMetaData(). Put all the essential CSPanoramaAPI methods step by step as shown below to get the file viewed in your div. Call this method in any event to connect with the service to receive the required response.

```
function FileMetaData() {

  PanoramaAPI.setMyConfig({
    //Put the Panorama Service URL which is hosted in IIS
    PanoramaService: "http://localhost/Service/PanoramaConversionEngine.svc",
    thumbnailSet: "5",     //set the number of thumbnails in a set
    thumbPageWidth: "180", //set the size of thumbnail width in pixel
    thumbPageHeight: "180", //set the size of thumbnail width in pixel
    showFileDivId: "#Panorama-Viewer",
    annotation: true //set to false if you do not need annotation
  });


  //Supply the filename from your application logic
  PanoramaAPI.fileName = (your filename.extension);
  PanoramaAPI.currentPageNumber = 1;
  PanoramaAPI. getShowFileJSON();
  PanoramaAPI.setRuler();
```

```
  //show Thumbnails of document. Omit if you don't want to show //thumbnails
  var JsonThumbnail = PanoramaAPI.getThumbnailJSON();
  bindThumbnail(JsonThumbnail);

  //Get File properties in JSON format. Omit if you don't want to show file
properties
  var JsonFileProperties = PanoramaAPI.getFileInfo();
  bindFileInfo(JsonFileProperties);

  //Get pdf bookmarks in JSON format. Omit if you don't want to show bookmarks
  var JsonBookmark = PanoramaAPI.getBookmarkJSON();
  bindBookmark(JsonBookmark);
}
```

5. 5. CSPanorama API Specification

The main JavaScript object is called PanoramaAPI and all following methods are referenced using PanoramaAPI.

5.1. 5.1 PanoramaAPI.setMyConfig

Use this method to set parameters as a default value in PanoramaAPI.setMyConfig to configure PanoramaAPI Viewer.

Syntax	PanoramaAPI.setMyConfig(*JavaScriptObject*)	

Parameters	JavaScriptObject	JavaScriptObject is defined as given below:
		`PanoramaService:`
		`"http://PanoramaConversionEngine.svc",`
		`thumbnailSet: "5",`
		`thumbPageWidth: "180",`
		`thumbPageHeight: "180",`
		`showFileDivId: "#Panorama-Viewer",`
		`annotation: true`

Returns	NA	

5.2. 5.2 PanoramaAPI.getMyConfig

Returns JSON String which is configured as a default value in PanoramaAPI.setMyConfig method.

Syntax	PanoramaAPI.getMyConfig()	
Parameters	NA	

Returns	JSON String	JSON String which is configured in PanoramaAPI.setMyConfig method with given parameters such as:
		`PanoramaService:"http://PanoramaConversionEngine.svc",`
		`thumbnailSet: "5",`
		`thumbPageWidth: "180",`
		`thumbPageHeight: "180",`
		`showFileDivId: "#Panorama-Viewer",`
		`annotation: true`

5.3. 5.3 PanoramaAPI.setFileName

Use this method to set file name.

Syntax	PanoramaAPI.setFileName(fileName.extension)	
Parameters	fileName	Name of the file with extension
Returns	NA	

5.4. 5.4 PanoramaAPI.getFileName

Returns the file name of the document.

Syntax	PanoramaAPI.getFileName()	
Parameters	NA	
Returns	fileName	Name of the file with extension

5.5. 5.5 PanoramaAPI.setCurrentPageNumber

Use this method to set current page number of the document.

Syntax	PanoramaAPI. setCurrentPageNumber (currPgNo)	
Parameters	currPgNo	Page number of current active page
Returns	NA	

5.6. 5.6 PanoramaAPI.getCurrentPageNumber

Returns the page number of currently active page in a multipage document.

Syntax	PanoramaAPI.getCurrentPageNumber()	
Parameters	None	
Returns	currentPageNo	Number of currently active page

5.7. 5.7 PanoramaAPI.getTotalPageNumber

Returns the total page number of current document.

Syntax	PanoramaAPI. getTotalPageNumber ()	
Parameters	None	
Returns	totalPageNo	Total page number of the document