



CADViewer JS

CADViewer JS – SharePoint configuration

CADViewer JS can be integrated into SharePoint through the PageViewer interface, so that CADViewer JS resides on an external https server, displays drawings inside MicroSoft 365 / SharePoint, and communicates with SharePoint through the REST API to generate file-list and process drawings for display.

These are the instructions to download the php controller interface to do REST calls to SharePoint and set it up to work with CADViewer JS.

1: Install Composer so that it work under XAMPP on Windows, easiest is to follow the instructions under 2: below.

2: Follow instructions in the document: <http://www.codecheese.com/2015/02/installing-composer-xampp-windows/> , to set up composer to work under XAMPP.

3: Open a command line prompt in admin mode, navigate to the CADViewer JS install folder, and go to the cadviewer/php folder, we are below assuming C:\xampp\htdocs\cadviewer\:

4: From within C:\xampp\htdocs\cadviewer\php\

```
run: >composer require vgremp/php-spo:dev-master -n --no-progress
```

5: Please check that the folder C:\xampp\htdocs\cadviewer\php\vendor\composer now contains the file autoload_real.php

6: Navigate to C:\xampp\htdocs\cadviewer\php\vendor\vgremp\php-spo\examples , copy bootstrap.php, Settings.php, Settings_epm.php (if present) to C:\xampp\htdocs\cadviewer\php\vendor\composer\

7: Navigate to C:\xampp\htdocs\cadviewer\php\vendor\vgremp\php-spo\vendor , copy autoload.php to C:\xampp\htdocs\cadviewer\php\vendor\composer\

8: Open C:\xampp\htdocs\cadviewer\php\vendor\composer\autoload.php

9: In autoload.php change:

```
require_once __DIR__ . '/../../composer/autoload_real.php';
```

to

```
require_once 'autoload_real.php';
```



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10: In autoload.php also change:

First open the file, C:\xampp\htdocs\cadviewer\php\vendor\composer\autoload_real.php,
then copy the top class name: class ComposerAutoloaderInitf0bc01cc8ff0d4f0590f954065bb0d99
and substitute that classname into autoload.php prepended to :getLoader();

```
return ComposerAutoloaderInitf0bc01cc8ff0d4f0590f954065bb0d99::getLoader();
```

11: Save file: C:\xampp\htdocs\cadviewer\php\vendor\composer\autoload.php

12: Open file: C:\xampp\htdocs\cadviewer\php\vendor\composer\bootstrap.php

Change to the following setup:

```
<?php  
require_once(__DIR__ . '/autoload.php');  
require_once(__DIR__ . '/../CV-JS_config_sharepoint.php');  
require_once(__DIR__ . '/../vgrem/php-spo/tests/WebExtensions.php');  
require_once(__DIR__ . '/../vgrem/php-spo/tests/ListExtensions.php');  
require_once(__DIR__ . '/../vgrem/php-spo/tests/ListItemExtensions.php');
```

```
//require_once(__DIR__ . '/../vendor/autoload.php');  
//require_once('Settings.php');  
//require_once(__DIR__ . '/../tests/WebExtensions.php');  
//require_once(__DIR__ . '/../tests/ListExtensions.php');  
//require_once(__DIR__ . '/../tests/ListItemExtensions.php');
```



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13: Open the file: C:\xampp\htdocs\cadviewer\php\CV-JS_config_sharepoint.php

Edit the settings to correspond to your SharePoint access credentials:

```
$Settings = array(  
    'Url' => "https://mysolution.sharepoint.com",  
    'OneDriveUrl' => "https://mysolution.sharepoint.com",  
    'Password' => "password",  
    'UserName' => "temp@mysolution.com",  
    'RESTApiUrl' => "https://mysolution.sharepoint.com/sites/CAD",  
    'DrawingUrl' => "/sites/pwa3/CAD/",  
    'DocumentLibrary' => "CAD"  
);
```

// optional, not needed for loading of files

```
$AppSettings = array(  
    'TenantName' => "mysolution.sharepoint.com",  
    'ClientId' => "13d4cd98-1761-4416-b01c-a641c08d0737",  
    'ClientSecret' => "oYM9GUiE4uejyaQ0GuuHj7U",  
    'Title' => "Office365 Graph explorer",  
    'RedirectUrl' => "http://localhost:8078/GraphExplorerer/SignIn.php"  
);
```

14: Open the file: C:\xampp\htdocs\cadviewer\php\call-API_Conversion.php

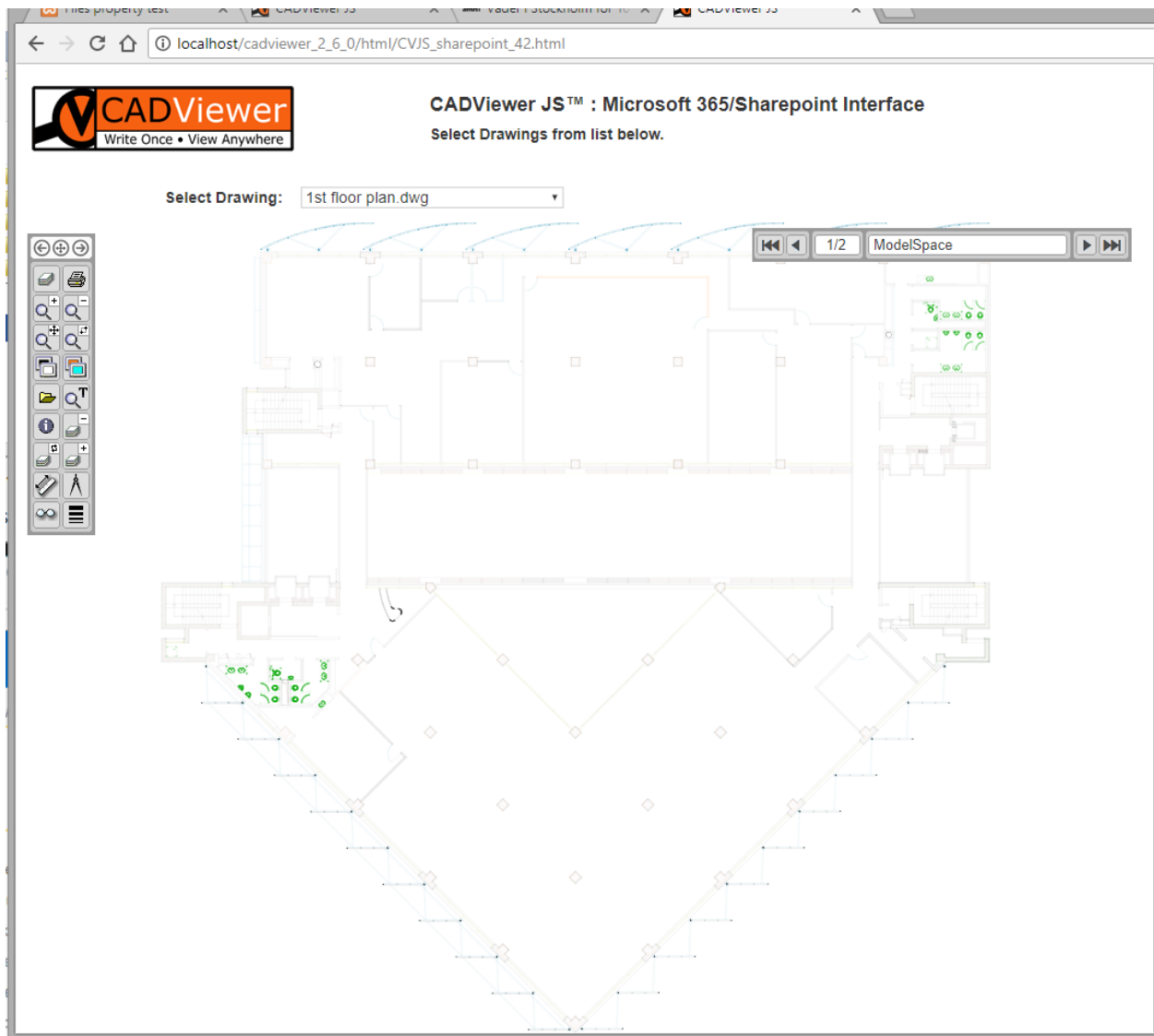
Uncomment the require statement to load in the sharepoint connector classes, and save

```
// only uncomment this, if loading drawing files from a sharepoint server via REST calls  
require 'CV-JS_sharepoint_connector.php';
```

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15: Run the CADViewer JS, Sharepoint sample, /cadviewer/html/CVJS_sharepoint_42.html

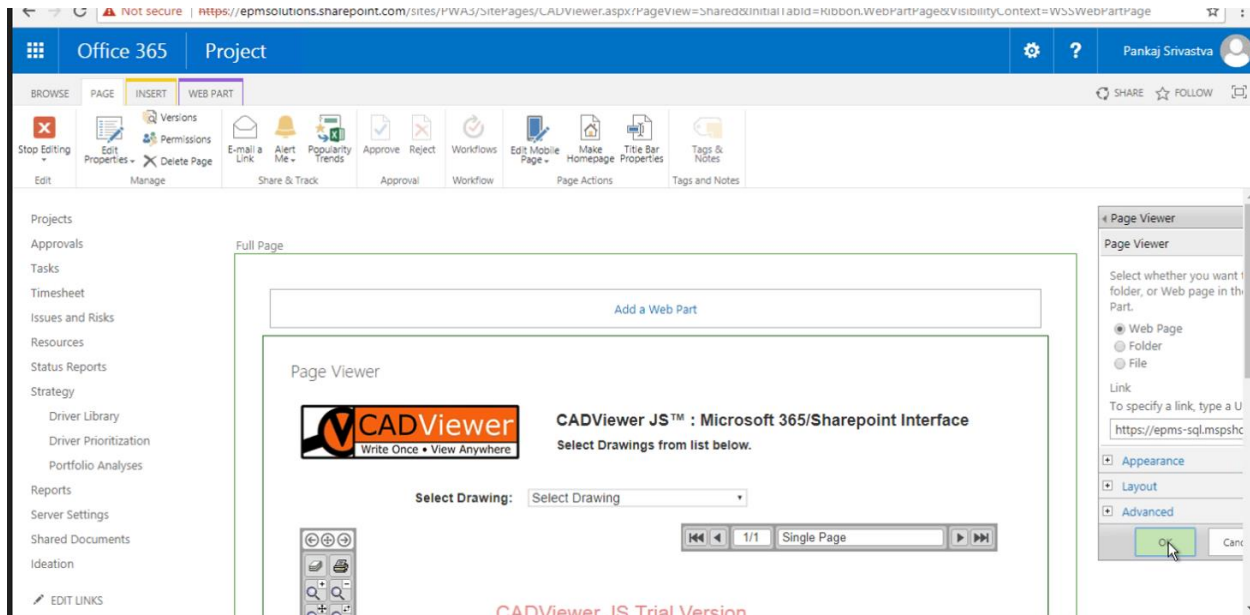
Check that the drop-down is populated with the drawings from your sharepoint folder, check that you can pick and load the drawings.





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16: From within the SharePoint interface, set up a Page Viewer page with a link pointing to the Url with the page CVJS_sharepoint_42.html (see 15: above) on your https server running CADViewer JS. You can now browser your drawing list and view drawings from inside SharePoint.



Contact:

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