Pasos para iniciar Forge Viewer en angular:

1. Crear app angular
2. Instalar dependencias.

npm install --save-dev @types/three @types/forge-viewer

npm install --save-dev @types/forge-apis

1. // tsconfig.json **or** your framework-specific config file such **as** tsconfig.app.json
2. // en caso de angular tsconfig.app.json

{

    "types": ["forge-viewer"]

}

1. App.component.ts

import { Component, OnInit } from '@angular/core';

import { MyAwesomeExtension } from './myawesomeextension';

let urn:string= “urn here”;

@Component({

  selector: 'app-root',

  templateUrl: './app.component.html',

  styleUrls: ['./app.component.css']

})

export class AppComponent implements OnInit {

  public viewer!: Autodesk.Viewing.Viewer3D;

  async ngOnInit() {

    this.initViewer();

  }

  private async initViewer() {

    var viewer: Autodesk.Viewing.GuiViewer3D;

    let documentId:string = "urn:"+urn;

    var options = {

      env: 'AutodeskProduction',

      getAccessToken: (

        onGetAccessToken: (token: string, expire: number) => void

        ) => {

          fetch('/api/forge/oauth/token')

          .then((response) => response.json())

          .then((json) => {

          console.log(json);

              onGetAccessToken(json.access\_token,

              json.expires\_in);

            });

          },

         };

      Autodesk.Viewing.Initializer(options, function() {

        var htmlDiv: any = document.getElementById('forgeViewer');

        viewer = new Autodesk.Viewing.GuiViewer3D(htmlDiv,{ extensions: ['Autodesk.DocumentBrowser',MyAwesomeExtension.extensionName]});

        var startedCode = viewer.start();

        if (startedCode > 0) {

        console.error('Failed to create a Viewer: WebGL not supported.');

        return;

      }

      console.log('Initialization complete, loading a model next...');

      Autodesk.Viewing.Document.load(documentId, onDocumentLoadSuccess, onDocumentLoadFailure);

    });

    function onDocumentLoadSuccess(viewerDocument:any) {

      // viewerDocument is an instance of Autodesk.Viewing.Document

      var defaultModel = viewerDocument.getRoot().getDefaultGeometry();

      viewer.loadDocumentNode(viewerDocument, defaultModel);

    }

    function onDocumentLoadFailure() {

      console.error('Failed fetching Forge manifest');

    }

  }

}

1. Index.html

Agregar al head

 <link rel="stylesheet" href="https://developer.api.autodesk.com/modelderivative/v2/viewers/7.0/style.min.css" type="text/css">

  <script src="https://developer.api.autodesk.com/modelderivative/v2/viewers/7.0/viewer3D.min.js"></script>

1. App.component.html

<div class="viewer" id="forgeViewer"></div>

1. App.component.css

.viewer {

  width: 100%;

  height: 100%;

  margin: 0;

  background-color: #F0F8FF;

}