Creatio local setup guide

Change log

Version	Created by	Created on
V1.0	Deshan Jayawardana	24/09/2021
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Prerequisites

1. MS SQL Server - SQL Server Downloads | Microsoft (get the developer edition).
2. Redis Server - Redis Setup (Download and Install).
3. Microsoft DOTNET 4.7.2 or 4.8 SDK (Download and Install)
4. Microsoft DOTNET 6.0 .NET SDK (Download the latest 6.0 SDK release and install).
5. Microsoft SQL Server Management Studio – SSMS
6. Visual Studio 2022 - https://download.visualstudio.microsoft.com/download/pr/10d6d1e3-ed79-4103-a8f8-59f373d5a58e/a0c0f6cac34180fe09de9f6a6cf2358fd4f8690d4001eba7ecb74c95b0a4e4c4/vs_Professional.exe

Get the link from -https://learn.microsoft.com/en-us/visualstudio/releases/2022/release-history#updating-your-installation-to-a-specific-release

7. Microsoft - Download Microsoft Visual C++ 2010 Service Pack 1 Redistributable Package MFC Security Update from Official Microsoft Download Center

Creatio reference for System requirements:

https://academy.creatio.com/docs/8.x/setup-and-administration/8.0/on-site-deployment/general_creatio_deployment_procedure

Creatio Bundle Download

🍀 Creatio Knowledge Base Articles
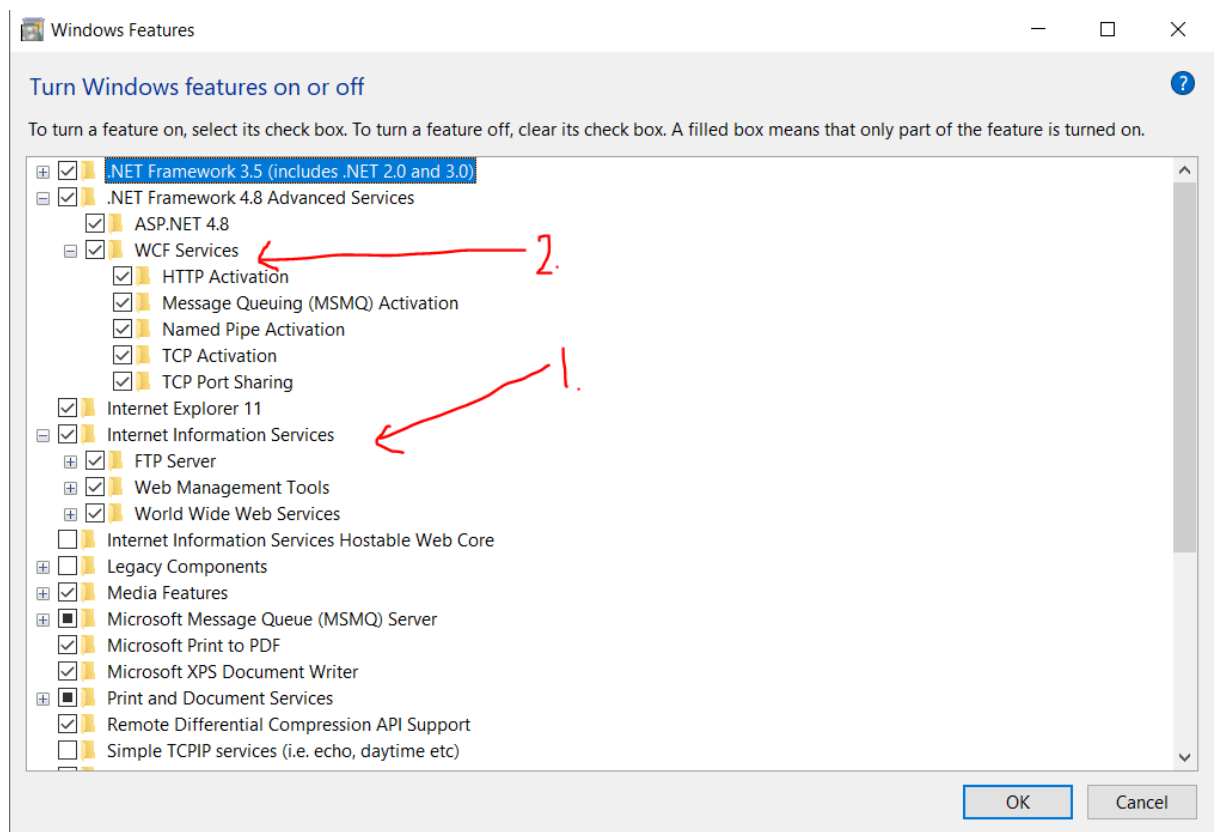
Setup Video

KT- Recording

Please Consider :

When enabling Windows Features make sure to enable the following features. (1 and 2).

Creatio Documentation

General Creatio deployment procedure | Creatio Academy

Connection String - SQL Server

```xml
<?xml version="1.0" encoding="utf-8"?>
<connectionStrings>
  <add name="redis" connectionString="host=localhost;db=1;port=6379" />
```

```xml
  <add name="redisSentinel"
connectionString="sentinelHosts=localhost:26380,localhost:26381,localhost:26382;masterName=my
master;scanForOtherSentinels=false;db=1;maxReadPoolSize=10;maxWritePoolSize=500" />
  <add name="defPackagesWorkingCopyPath"
connectionString="%TEMP%\%APPLICATION%\%APPPOOLIDENTITY%\%WORKSPACE%\TerrasoftPackag
es" />
  <add name="tempDirectoryPath"
connectionString="%TEMP%\%APPLICATION%\%APPPOOLIDENTITY%\%WORKSPACE%\" />
  <add name="sourceControlAuthPath"
connectionString="%TEMP%\%APPLICATION%\%APPPOOLIDENTITY%\%WORKSPACE%\Svn" />
  <add name="elasticsearchCredentials" connectionString="User=gs-es;
Password=DEQpJMfKqUVTWg9wYVgi;" />
  <add name="influx" connectionString="url=http://10.0.7.161:30359; user=; password=;
batchIntervalMs=5000" />
  <add name="messageBroker"
connectionString="amqp://guest:guest@localhost/BPMonlineSolution" />
  <add name="db" connectionString="Data Source=localhost;Initial
Catalog=SE_M_SEENU_4058875_0825;User
id=Supervisor;Password=Welcome2mitrai;MultipleActiveResultSets=True;Pooling=true;Max Pool
Size=100" />
</connectionStrings>
```

PS: Initial Catalog >>> Database Name

Changes to be made in Web.config

*fileDesignMode - true
*UseStaticFileContent- false

Setup Notes

The below is the step by step guide to follow the local setup. This guide is exactly similar to what's described in the video above.

1. Setup the database server

>> Open SSMS

>> Login as windows authenticator for the first time

>> Restore the database

    >> Rightclick the databases folder and click restore.

    >> Select Source as Device

    >> Give the path to db of the bundle

    >> If want give the name to the db in the database field in Destination

    >> Then click OK

>> Create the user login credential

    >> Expand Security folder

    >> Click Login and right click on it.

    >> Select New login

    >> Give the Login name as Supervisor

    >> Select SQL Server authentication

    >> Give the password

    >> If want untick the "user must change password at next login" check box. [Optional]

    >> Click Ok

>> Create the user in the db

    >> Expand the db folder

    >> Expand the Security folder

    >> Click on Users and right click on it

    >> Select new user

    >> Give user name as Supervisor and login name as Supervisor as well

    >> Then select db_owner in the Owned Schemas section and Membership section

    >> Click OK

>>Disconnect SSMS and Connect through SQL Server and see whether the db is visible for you

2. Hosting IIS

>> Search for "Turn Windows features on or off

>> Click that

>> Select all the features inside the Internet Information Services

>> Click OK

3. Specify the connection between web application and database

>> Go to the extracted bundle

>> Open Connection String

>> Replace the entire code with the below one

Connection String - SQL Server (Replace the below in your connection string file)

```xml
<?xml version="1.0" encoding="utf-8"?>
<connectionStrings>
  <add name="redis" connectionString="host=localhost;db=1;port=6379" />
  <add name="redisSentinel"
connectionString="sentinelHosts=localhost:26380,localhost:26381,localhost:26382;masterName=mymaster;scanForOtherSentinels=false;db=1;maxReadPoolSize=10;maxWritePoolSize=500" />
  <add name="defPackagesWorkingCopyPath"
connectionString="%TEMP%\%APPLICATION%\%APPPOOLIDENTITY%\%WORKSPACE%\TerrasoftPackages" />
  <add name="tempDirectoryPath"
connectionString="%TEMP%\%APPLICATION%\%APPPOOLIDENTITY%\%WORKSPACE%\"
/>
  <add name="sourceControlAuthPath"
connectionString="%TEMP%\%APPLICATION%\%APPPOOLIDENTITY%\%WORKSPACE%\Svn
" />
  <add name="elasticsearchCredentials" connectionString="User=gs-es;
Password=DEQpJMfKqUVTWg9wYVgi;" />
  <add name="influx" connectionString="url=http://10.0.7.161:30359;
user=; password=; batchIntervalMs=5000" />
  <add name="messageBroker"
connectionString="amqp://guest:guest@localhost/BPMonlineSolution" />
  <add name="db" connectionString="Data Source=localhost;Initial
Catalog=SE_M_SEENU_4058875_0825;User
id=Supervisor;Password=Welcome2mitrai;MultipleActiveResultSets=True;Pooling=true;Max Pool Size=100" />
</connectionStrings>
```

Change db port number in line 3 (Open the connection string file via *visual studio code* and from their change the db port number in line 3)

Note: Your machine can have a maximum of **15** local environments. DB port should be changed for every local environment that you are setting up. Therefore, keep a note of the db numbers that you have used so far. (Numbers should be from 0 to 14 only)

PS: Initial Catalog >>> Database Name

User name - Login user name

Password - Login Password

>> Click Save

4. Setup IIS

>> Open IIS

>> Expand Desktop

>> Click Sites and right click

>> Select Add website

>> Give a site name

>> Physical path - Extracted folder

>> Specify the port

>> Click OK

>> Add application to the website - Right click on the selected website and Select add application

>> Alias - 0

>> Physical path - Extracted folder > Terrasoft.Web

>> Click OK

5. Browse the website

6. Open Web.config in the extracted folder

>> Search for file design mode(fileDesignMode) - enable it as true

>> Search for use static file content(UseStaticFileContent) - enable it as false

>> Save

7. Compile the instance

Frequent Issues and Fixes

1. Cannot Login with user "[Your User Name]" SQL Server Error : 18456

   Login to the SQL server using windows authentication via the SSMS. and right click on the server,go to properties, go to security in the left panel and then Click the checkbox "Windows and SQL Server Authentication mode". Then go to windows services by searching in the windows search bar. Then search for "SQL Server(MSSQLSERVER) service,right click on it then restart. Voila.. Issue will be fixed now.. Try login again…