LOCAL SITECORE 9.3 SETUP

What we need before we start doing setup?

1. SQL Server 2019
2. SQL Server Management Studio
3. Sitecore 9.3 XP0 Developer Workstation package
4. Solr 8.1.1

To work with code and deployment locally:

1. Sitecore TDS package for locally building and publishing
2. Visual Studio 2019

If you have JSS:

1. Sitecore JavaScript Services Server for Sitecore 9.3 XP

Check the sitecore 9.3 supported integrations and tools here:
https://support.sitecore.com/kb?id=kb_search&kb_knowledge_base=b5231065db70dc109e54320a689619bf

Platform:

➢ Windows 10 x64

Pre-requisites:

➢ Download SQL Server 2019 Express: https://go.microsoft.com/fwlink/?linkid=866658
➢ Download SQL Server Management Studio v19.9.2: https://aka.ms/ssmsfullsetup
➢ Download Sitecore 9.3 XP0 Developer Workstation package (Graphical setup package for XP Single):
https://sitecoredev.azureedge.net/~/media/A1BC9FD8B20841959EF5275A3C97A8F9.ashx?date=20191213T115458
➢ Download Sitecore TDS v6.0.0.30: https://www.teamdevelopmentforsitecore.com/-/media/TDS/Files/TDS%20Downloads/TDS%2060030.zip
➢ Download Visual Studio 2019: https://visualstudio.microsoft.com/thank-you-downloading-visual-studio/?sku=Community&rel=16
OR: https://visualstudio.microsoft.com/thank-you-downloading-visual-studio/?sku=Professional&rel=16

➢ Download Solr 8.1.1: https://archive.apache.org/dist/lucene/solr/8.1.1/solr-8.1.1.zip (usually sitecore 9 setup downloads and installs it itself)
➢ Download JSS package (Sitecore JavaScript Services Server for Sitecore 9.3 XP) :
https://dev.sitecore.net/Downloads/Sitecore_JavaScript_Services/130/Sitecore_JavaScript_Services_1300.aspx

https://sitecoredev.azureedge.net/~/media/6D84DB513F114C15BAF5BCDEF91EFF21.ashx?date=20191126T092707

Start Setup:

1- Install SQL Server 2019
   a. Connection string:
      Server=localhost\SQLEXPRESS;Database=master;Trusted_Connection=True;

2- Install SQL Server Management Studio
3- Setup "sitecore" user/role
   a. Open SQL Server Management Studio
   b. Login using windows authentication
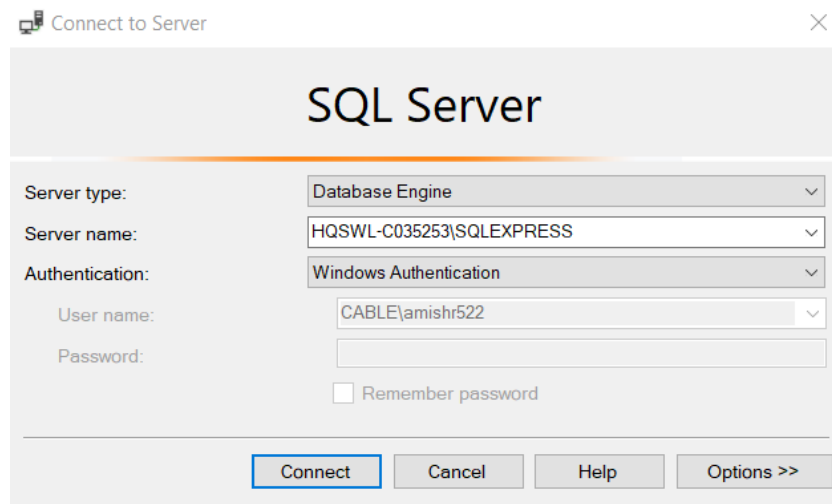
   c. Connect and Create the user/role named "sitecore".
   d. Go to Security > Logins > Right click to create "New Login"
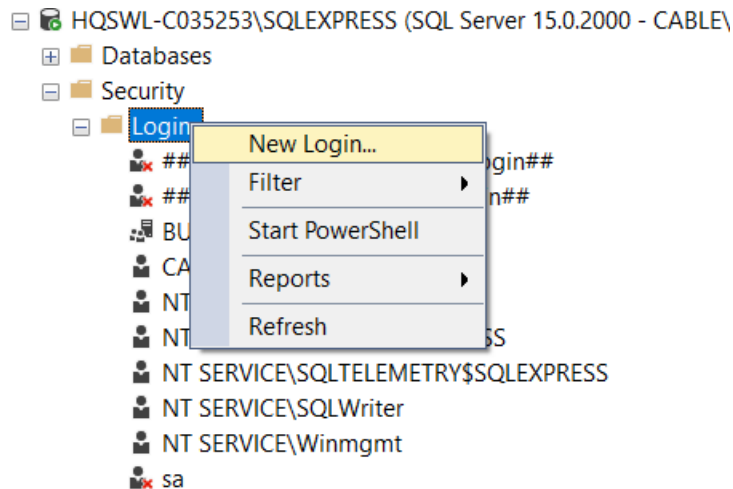
e. Provide Login name as 'sitecore' **>** select "SQL Server authentication" **>** Provide the password you want to use, e.g. 'admin' **>** Confirm password **>** Disable Enforce password policy and other options to keep it simple for local setup **>** Click "**OK**" to complete the step. Refer screenshot below.
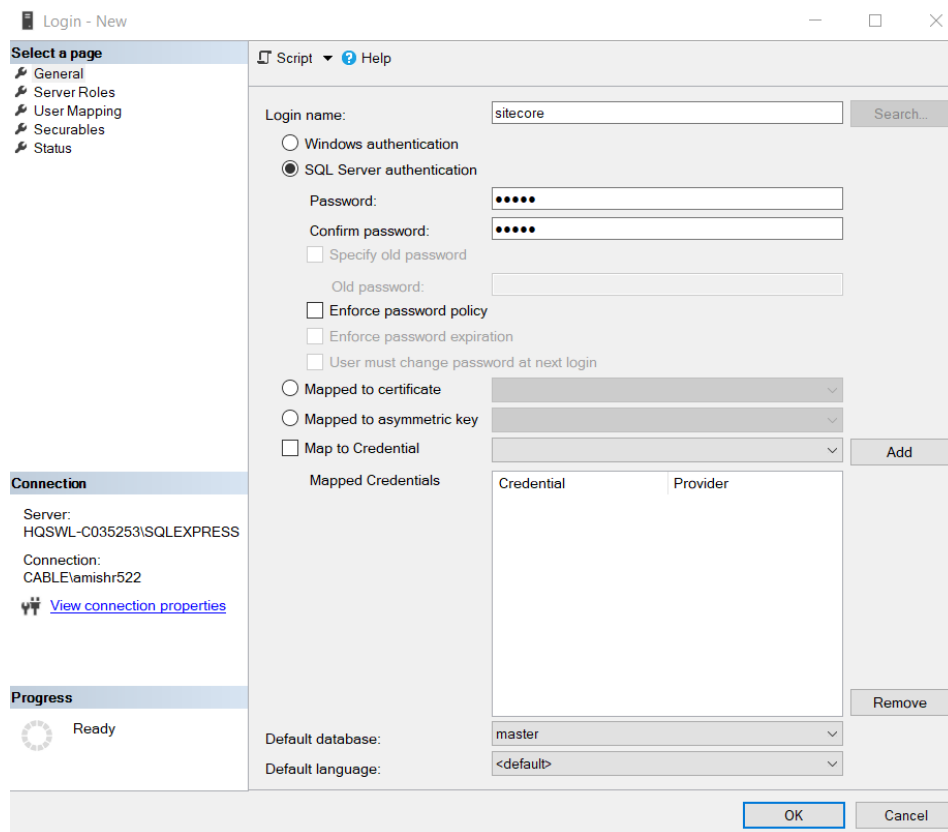
✓ Update the "Server Roles". Select 'sysadmin' role and Click "**OK**" to complete the step. Refer screenshot below.

LOCAL SITECORE 9.3 SETUP
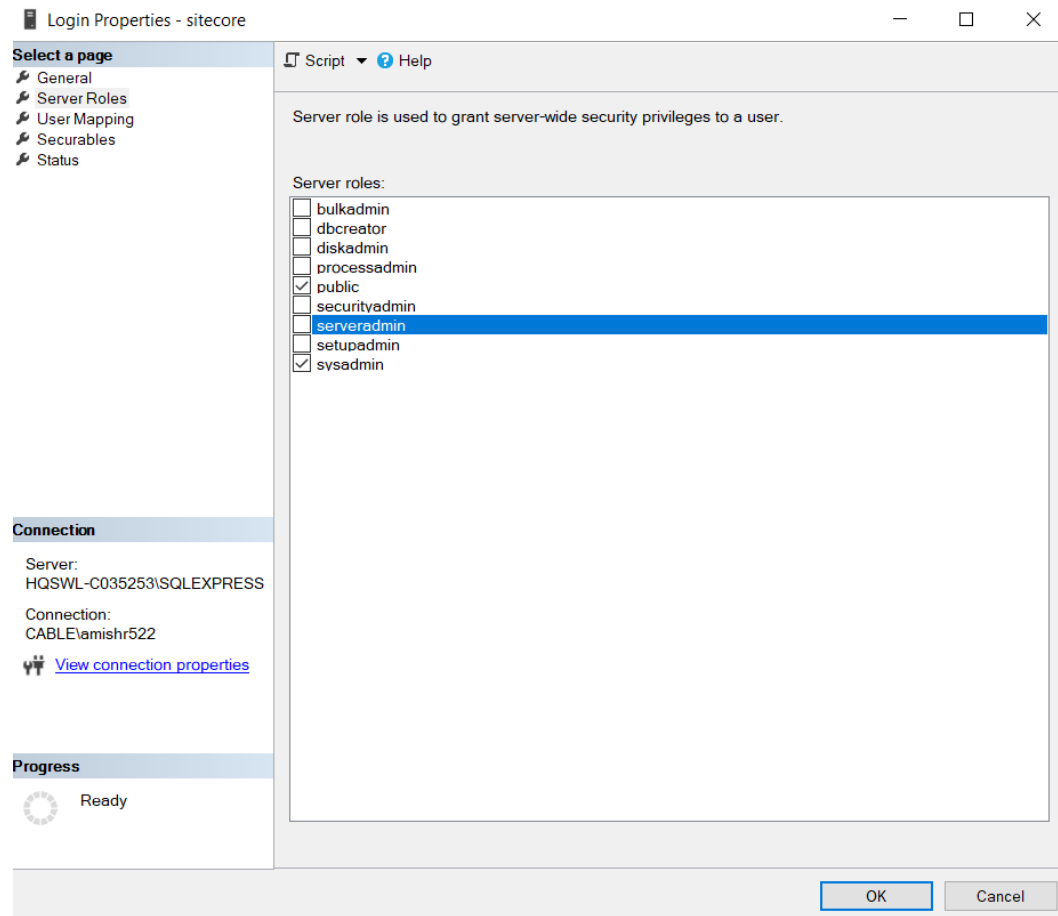
4- Install Visual Studio 2019 and all required packages.
5- Install Sitecore TDS from the package.
    a. Post installation of Visual studio and Sitecore TDS package, setup Sitecore TDS license.
        ✓ In visual studio 2019, **Go to Help > View Sitecore TDS License**
        ✓ Provide organization name and license key to complete the setup.
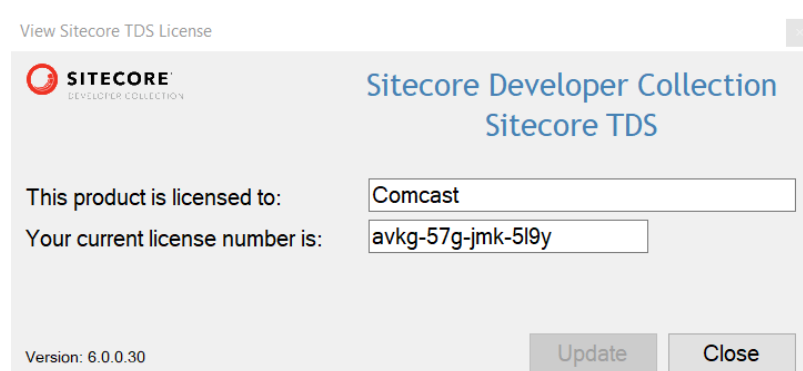
6- Install Sitecore:

    a.   Extract the Sitecore 9.3.0 rev. 003498 (Setup XP0 Developer Workstation rev. 1.1.1-r4) package

    b.   Click "**setup.exe**" to start the setup. As the setup progresses the logs will be written in following directory: C:\Users\<userId>\Sitecore.InstallAssistant
          e.g.: C:\Users\amishr522\Sitecore.InstallAssistant
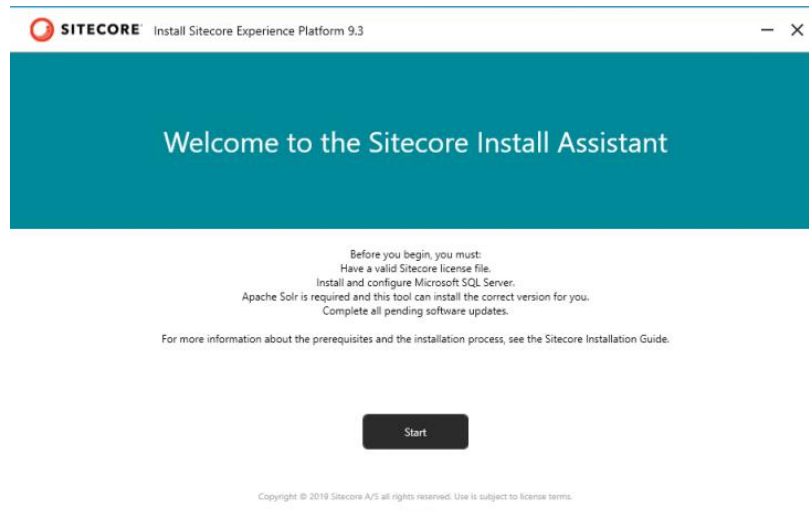
    c.   Click on "**Start**" as shown in the screenshot above to begin, you would see following screen:
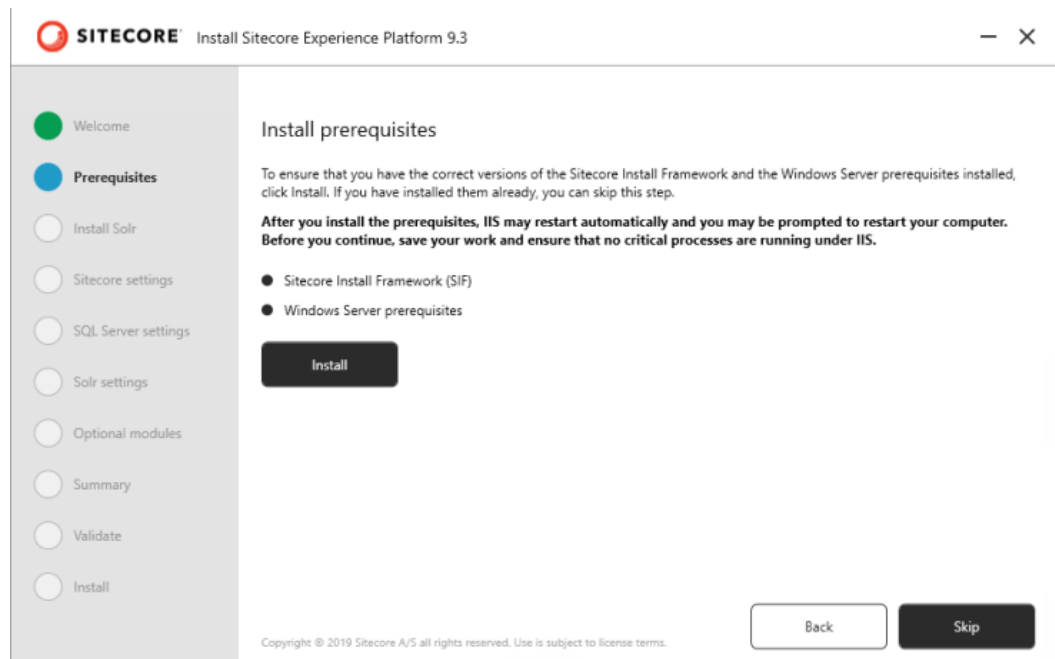
d. The mandatory components are by default selected and can't be un-selected anyway so just click "**Install**" to continue. You would see following screen next:
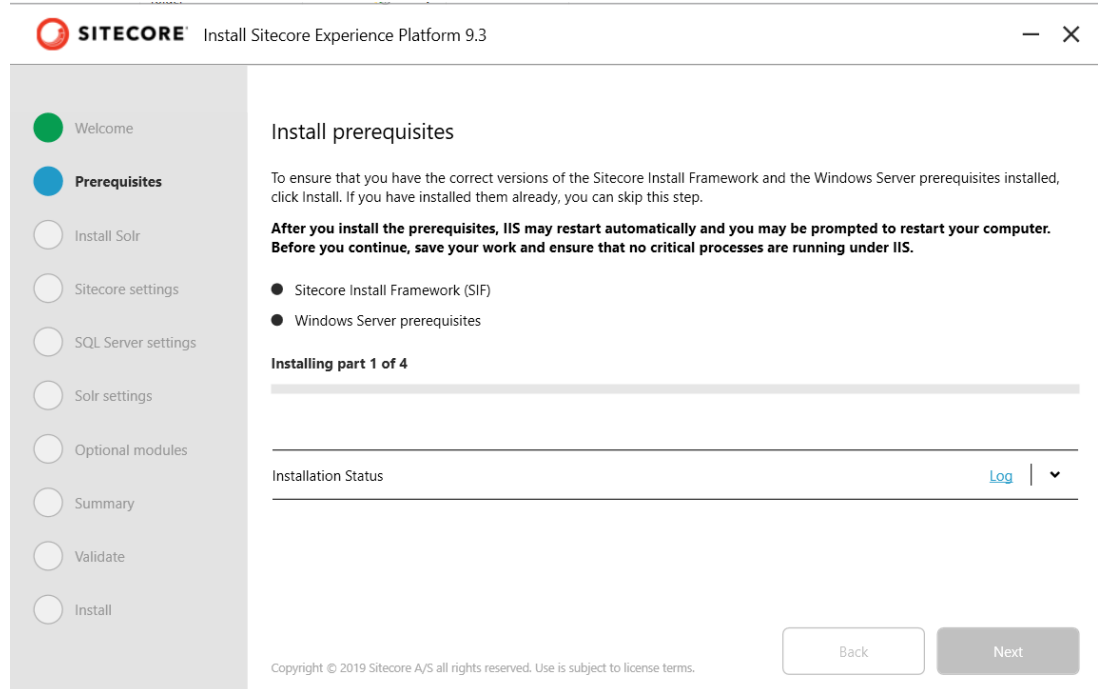
e. A common error encountered during the sitecore 9.3 setup is as given below. The error can be seen on screen as well as in log at:
C:\Users\amishr522\Sitecore.InstallAssistant\PrerequisitesInstallationLog_.txt

Error (A pre-requisite required for the setup no longer exists at the configured download location):

[DownloadWebPlatformInstaller]:[Download]
https://download.microsoft.com/download/C/F/F/CFF3A0B8-99D4-41A2-AE1A-

```
496C08BEB904/WebPlatformInstaller_amd64_en-US.msi =>
C:\Users\AMISHR~1\AppData\Local\Temp\WebPlatformInstaller_amd64_en-US.msi
Error downloading https://download.microsoft.com/download/C/F/F/CFF3A0B8-
99D4-41A2-AE1A-496C08BEB904/WebPlatformInstaller_amd64_en-US.msi: The
remote server returned an error: (404) Not Found.
[TIME] 00:01:22
Error downloading https://download.microsoft.com/download/C/F/F/CFF3A0B8-
99D4-41A2-AE1A-496C08BEB904/WebPlatformInstaller_amd64_en-US.msi: The
remote server returned an error: (404) Not Found.
```

Fix:

A fix is suggested here: https://stackoverflow.com/questions/67826547/sitecore-10-1-installation-error-with-sitecore-installation-assistance-sia

- ✓ Open the Sitecore package extraction directory
- ✓ Look for '**Prerequisites.json**' file and find following tag '**WebPlatformDownload**'

  e.g.: *C:\Personal\ProjectSofts\Sitecore setup\Sitecore 9.3.0 rev. 003498 (Setup XP0 Developer Workstation rev. 1.1.1-r4)\Prerequisites.json*

- ✓ Update the '**DefaultValue**' containing the URL with new URL as suggested in the post above.
- ✓ Here is an example:

```
"WebPlatformDownload": {
    "Type": "String",
    "Description": "Download location of Microsoft Web Platform Installer 5.0",
    "DefaultValue":
"https://download.microsoft.com/download/8/4/9/849DBCF2-DFD9-49F5-
9A19-9AEE5B29341A/WebPlatformInstaller_x64_en-US.msi"
}
```

Restart the setup:
- ✓ Follow the steps a to d again if you had the error discussed above.

f. Post successful status at step 'e', you would be prompted to install "Solr search service". Note that we need to make sure we use the appropriate supported version of solr for sitecore 9.3. Check the details here:
https://support.sitecore.com/kb?id=kb_article_view&sysparm_article=KB0227897

- ✓ Determine the version you need to use, Sitecore 9.3 uses Solr 8.1.1
- ✓ Select the port you want to use, default port is: 8983
- ✓ Provide the windows service and path prefix as asked.

✓ Provide the install path
✓ Click "Install" to start the setup and wait for setup to complete. Setup wizard will download the given version of solr (solr 8.1.1) itself and set it up for you.
✓ Installation logs can be see here:
  C:\Users\amishr522\Sitecore.InstallAssistant\Sitecore-InstallConfiguration_.txt

✓ Verify that solr is working. Go to https://localhost:8983 and see if it looks ok.
✓ Click "**Next**".

g.   You will be promoted for providing the Sitecore settings. You would be asked to provide the **Installation/solution prefix**, **Sitecore admin password**, and **Sitecore license file**. Make sure you have license file for sitecore 9.3. After providing the details, click "**Next**" to proceed.

h. You would be prompted to provide the SQL Server settings. Make sure steps 3a – 3e are already done and connection has been tested. Provide the "**Microsoft SQL Server instance**", "**user name**" (we created user 'sitecore' and setup its role as part of step3.), and "**password**". Click "**Next**" to proceed.

i. You would be prompted to provide the Solr instance settings. Just double check the solr windows service name and use the name as value of "**Solr Windows service name**" field. Also check the solr install directory to grab the correct path and use the same path for "**Solr file system root**" field. Click "**Next**" to proceed.

Note: Path and service name was strange so, after looking at the setup.exe.config, it looks like the field above of "**Solr Windows Service Name**" gets added to the front of a hard coded "solr-8.1.1" which results in the solr-8.1.1solr8.1.1. See the details below.

```
<parameter name="SolrServicePrefix" type="text" groupName="InstallSolr" />
<parameter name="SolrInstallRoot" type="folderPath" groupName="InstallSolr" value="C:\Solr" />
```
```
<parameter name="SolrRoot" type="text" groupName="Solr" value="{Solr.SolrInstallRoot}\{Solr.SolrServicePrefix}Solr-8.1.1" />
<parameter name="SolrService" type="text" groupName="Solr" value="{Solr.SolrServicePrefix}Solr-8.1.1" />
```

j. You would be prompted to select optional modules, just skip this step unless you really require those modules and click "**Next**".

k. You would be promoted with summary of above steps, just cross check the summary and click "**Next**" to have the installer validate the requirements.
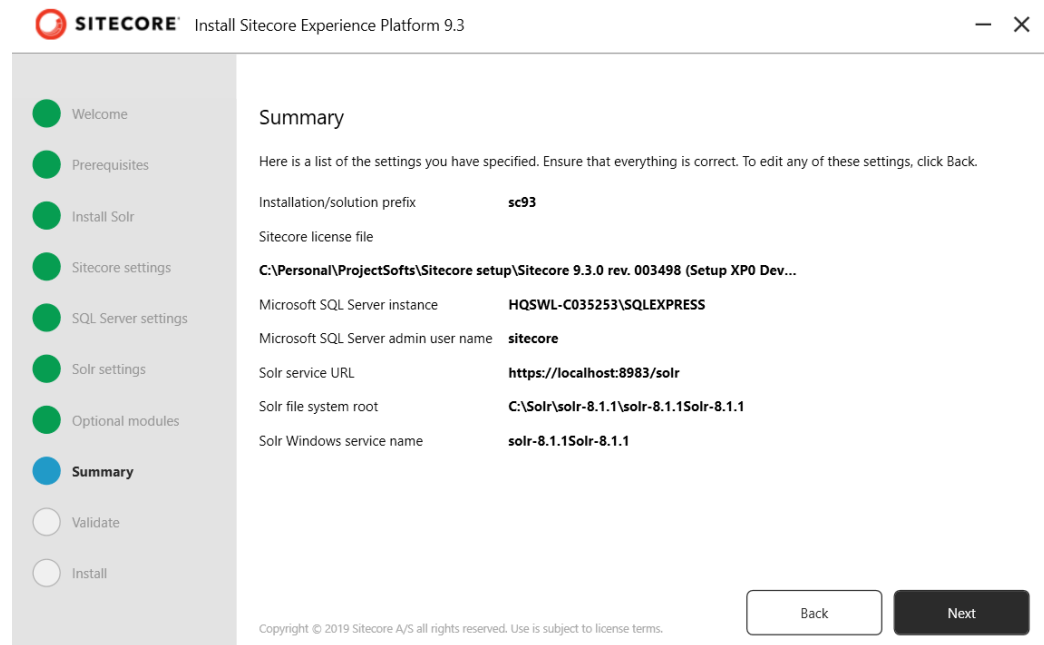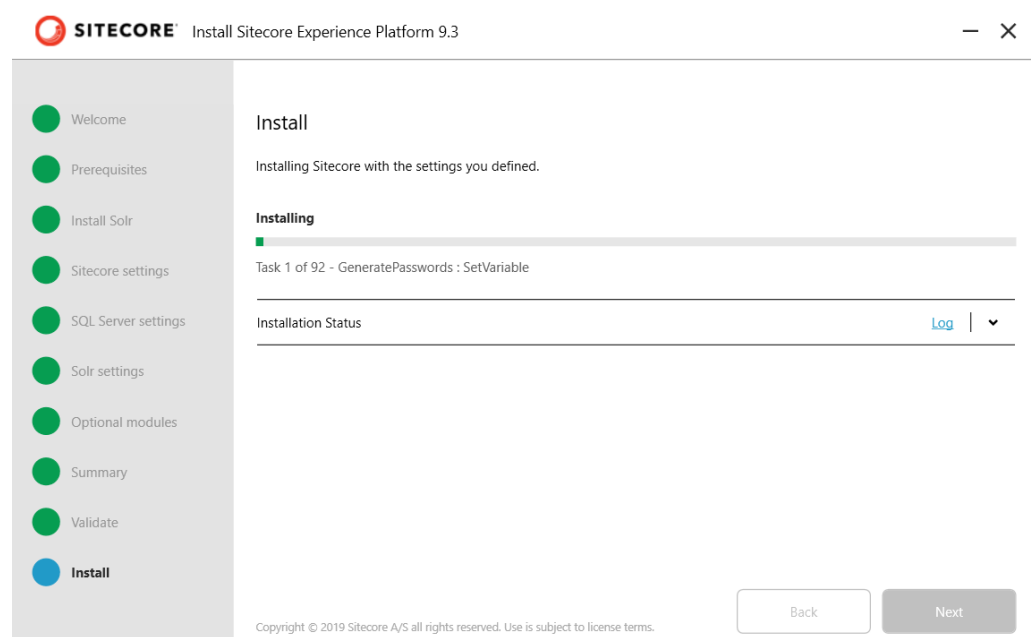

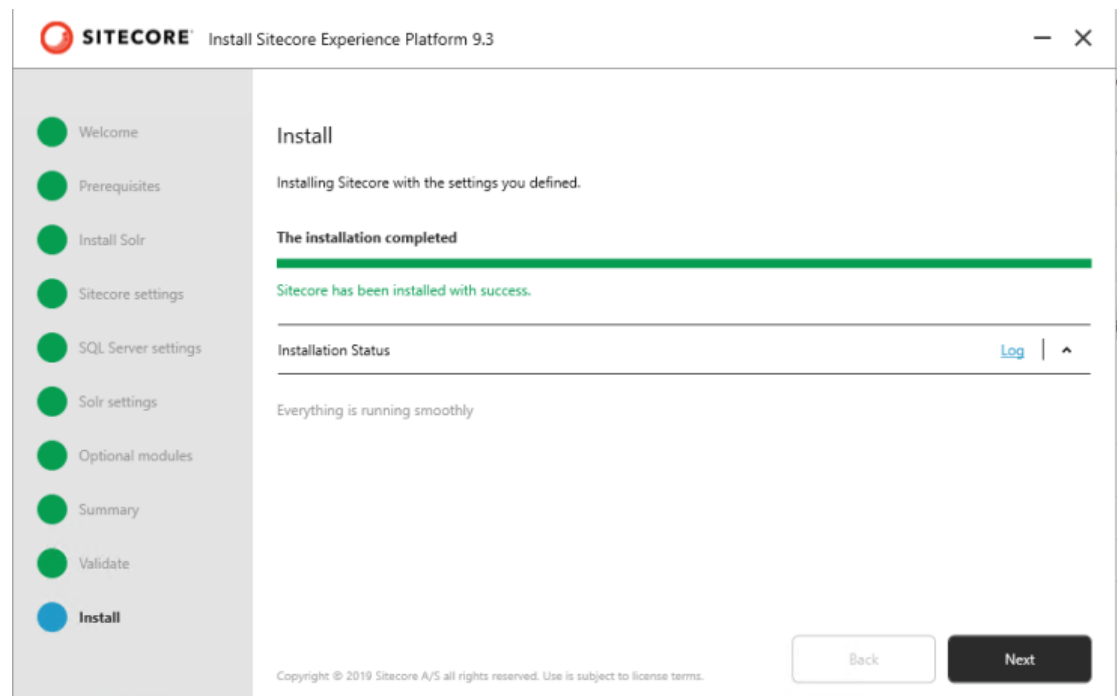l. You would be shown with validation results. Click "**Install**" to finalize the installation.
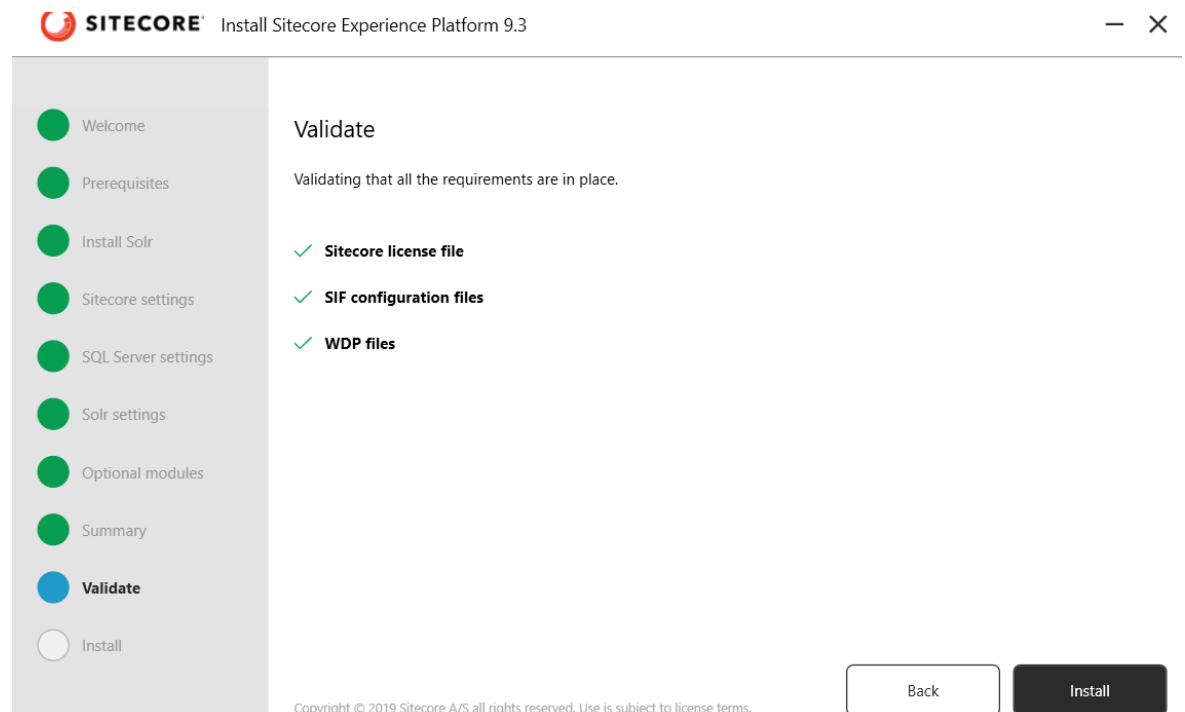
m. The installation would take several minutes and you should see following screen when installation starts:

n. Post successful completion of 92 tasks as part of installation, you would see following screen, click "**Next**" to proceed:

o. You have completed the installation, click "Launch Sitecore"
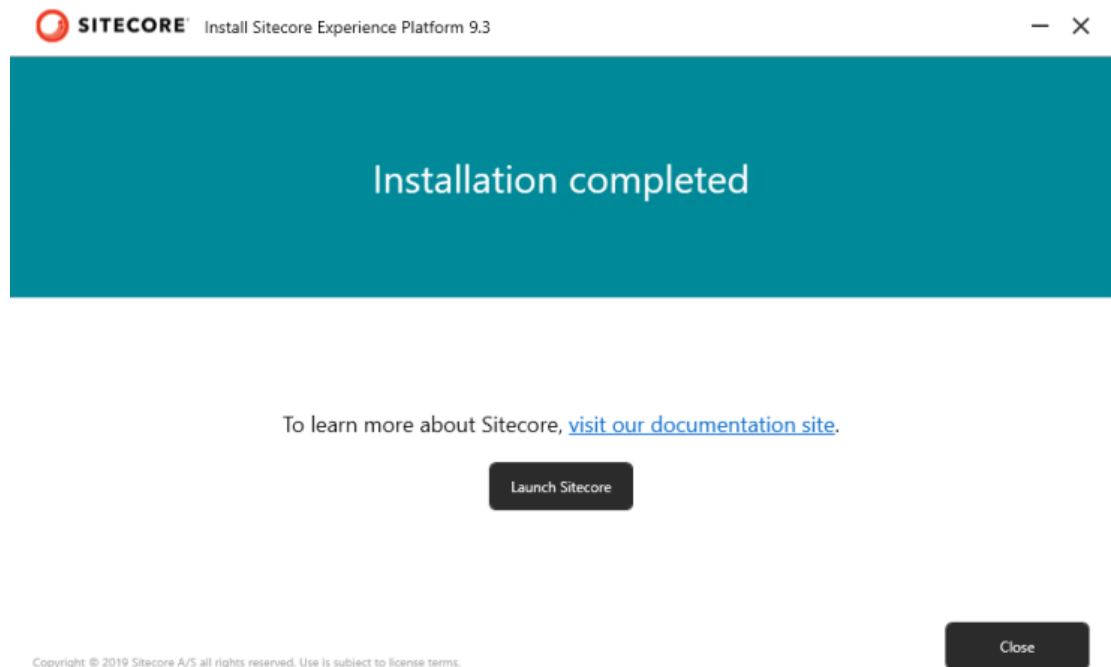
p. Login using the username and password, default username is: "admin" and password you have selected as part of installation step 6g. I provided password as "admin"
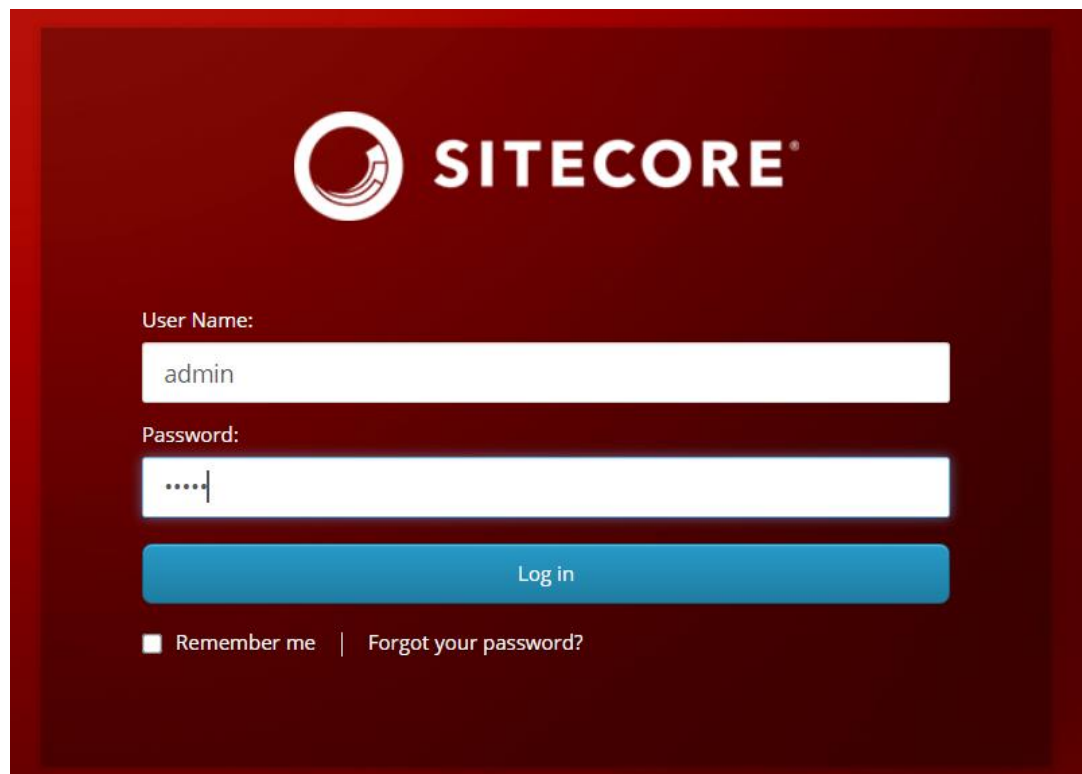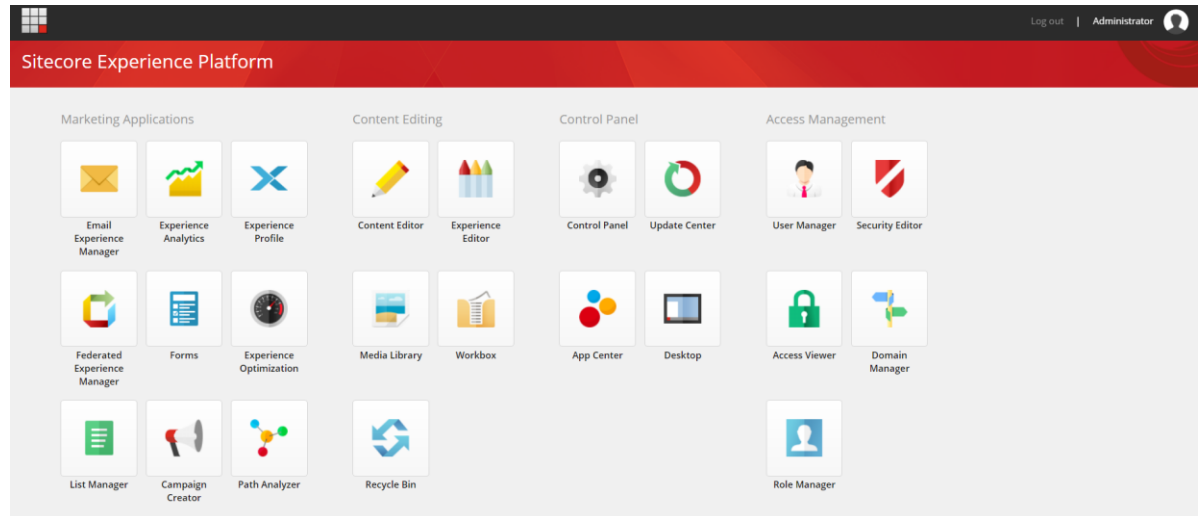
7- Install JSS package:

 a. After launching the sitecore, click on "**Desktop**" to land into Desktop mode.
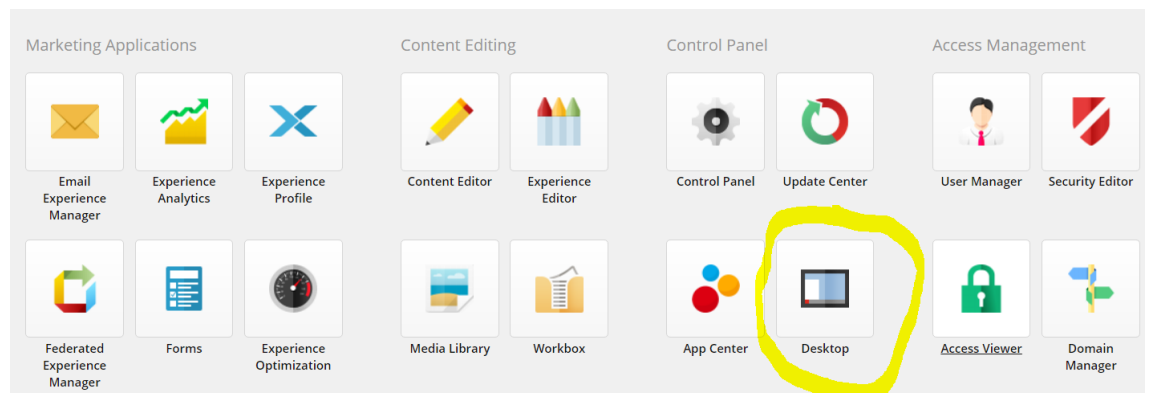
b. From the start menu, select "Development Tools" > "Package Designer"
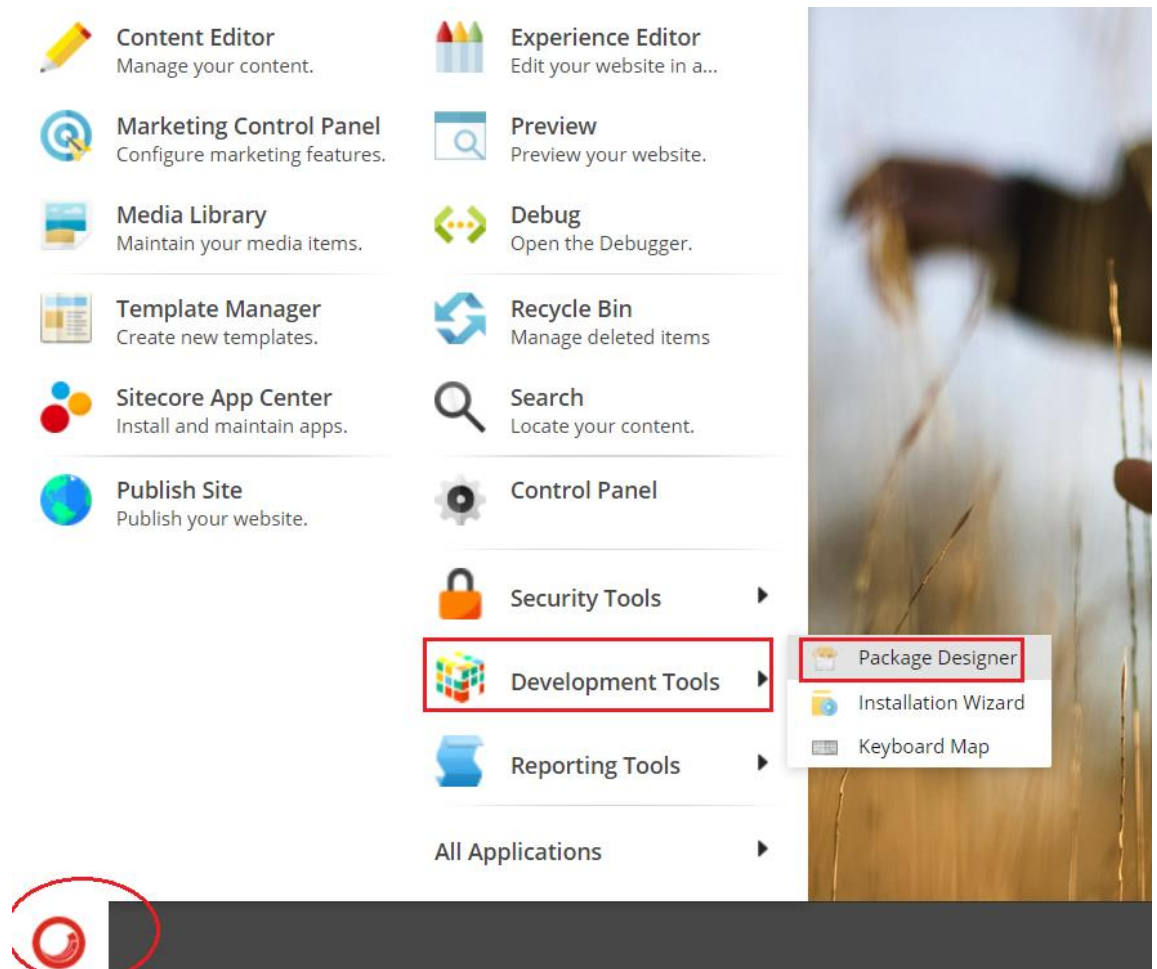
c. Click "Launch Wizard" from package designer
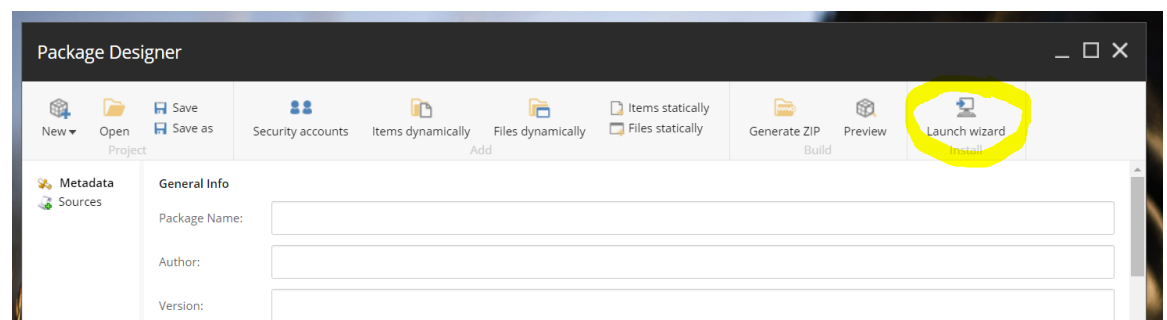
d. Alternatively, you can also start Launch Wizard as via "Development Tools" >
"Installation Wizard"
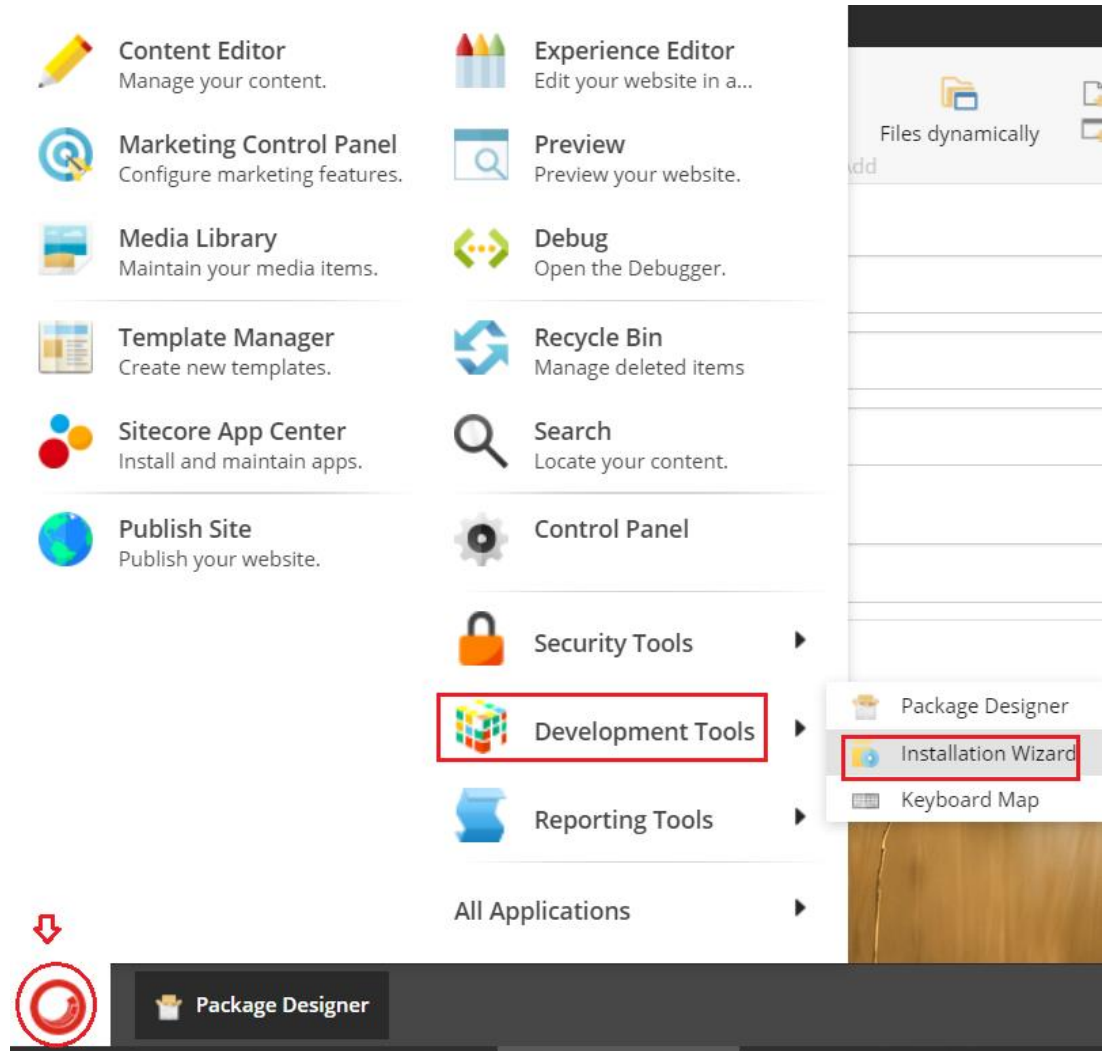
e. Click "Upload package" to upload the JSS package you have downloaded at the beginning.

Install a Package
Select a package to install.

Name:

[   ]

[Choose package] [Upload package]

[Next] [Cancel]

Install a Package
Select a package to install.

Name:

[Sitecore JavaScript Services Server for Sitecore 9.3 XP 13.0.0 rev. 190924.zip]

[Choose package] [Upload package]
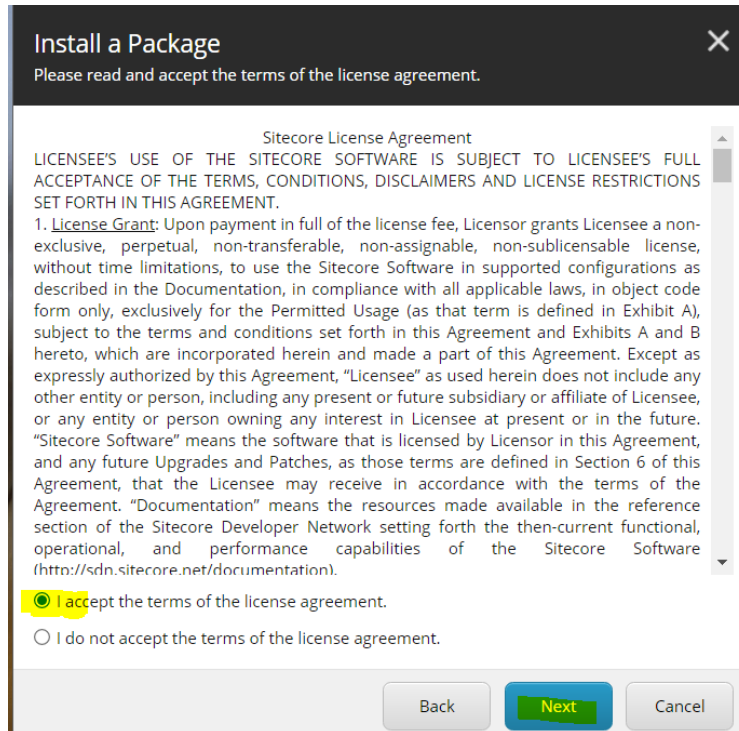
[Next] [Cancel]

f. Click "**Next**", Accept the license agreement, and click "**Next**" to proceed.

g. Verify the details on the prompt and click "**Install**" to complete the installation.