



GUIDELINE: SITECORE 9 INSTALLATION

PREREQUISITES

STEPS TO SETUP SITECORE 9

TIPS TO FIX ERROR WHILE SETUP 😊

PRADEEP GUPTA

PREREQUISITES

- Windows 10
- Web deploy 3.6
- Solr & NSSM (to create Solr web service)
- SQL 2016 or later Version
- JRE 8 or later Version
- SIF Installation Framework
- Packages for XP Single
- SIFLess.exe (For Quick Installation)





CHECKLIST BEFORE START

- Windows 10
- .NET Framework 4.6.2 or later
- Web Deploy 3.6 ([download URL](#))
- IIS Configured (with the help of “Turn Windows Features on and off”)
- Create two directory as:
 - Sitecore InstanceName
 - Sitecore9_Repository
- Create Directory as ~/Sitecore9_Directory/License
put the License.xml



LET'S START...



- Install JRE 8 or later version, download from [JRE](#)
- Set Environment as JAVA_Home, if not already created:

Right click on PC to select properties

From let top corner select Advanced System Settings

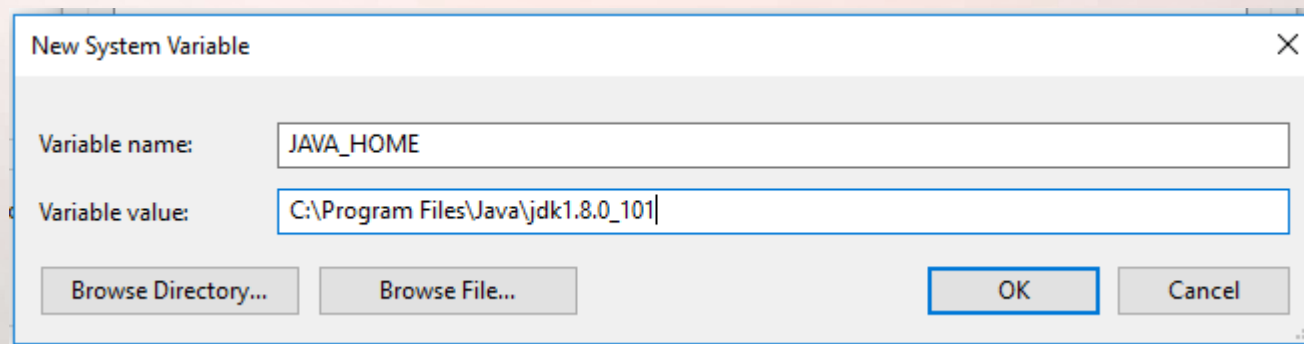
Under the Advanced Tab, select Environment Variable

Add new system Variable:

Variable Name: JAVA_HOME

Variable Value: path where JRE is installed like: c:/programfiles/j

Now press OK – OK and OK.



SQL SERVER

Here we are going to setup things with SQL 2017,

- Install SQL Server 2017 if not, download from [SQL](#)
- Install SQL Management Studio 2017 if not, download from [SSMS](#)
- Install SQL Server Data Tool 2017 if not, download from [SSDT](#)



Microsoft

SQL Server 2017
for Windows
Containers

SOLR



- Install Solr if not, download from [Solr-6.6.2](#)
- Extract zip file to Sitecore9_Repository directory
- Now open cmd as admin:

- goto to the path ~/solr/bin
- solr start

```
Administrator: Command Prompt
Microsoft Windows [Version 10.0.15063]
(c) 2017 Microsoft Corporation. All rights reserved.

C:\Windows\system32>cd D:\Sitecore9_Repository\solr-6.6.2\bin

C:\Windows\system32>d:

D:\Sitecore9_Repository\solr-6.6.2\bin>solr start
```



- Once solr started, access on your browser with <http://localhost:8983/solr>

NSSM



Here we are creating web services for Solr with the help of NSSM.

- Install NSSM if not, download from [NSSM](#)
- Extract zip file to Sitecore9_Repository directory
- Now open cmd as admin:
 - goto to the path ~/nssm-2.24/win64
 - nssm install solr-6.6.2

N

```
Administrator: Command Prompt
Microsoft Windows [Version 10.0.15063]
(c) 2017 Microsoft Corporation. All rights reserved.

C:\Windows\system32>cd D:\Sitecore9_Repository\nssm-2.24\win64

C:\Windows\system32>d:

D:\Sitecore9_Repository\nssm-2.24\win64>nssm install solr-6.6.2
```

CONTINUE WITH NSSM



- Once run the command to install nssm for solr, will open a popup:

Path: ~/solr/bin/solr.config

Startup Directory: will be automatically filled

Arguments: start -f -p 8983

- Once clicked on OK will show another popup as success.

Service “Service Name” installed Successfully.

- Please note after success fully creation for web services of solr, please check solr services is running or not?
- If not, start solr service.
- May be it will be paused automatically and while trying to start/restart getting error as “contact to admin” etc. 😊

In this case try to install another version of nssm by clicking [here](#) and follow all the above steps on this slide.

SOLR AS HTTPS



- Add solrssl.ps1 to Sitecore9_Repository if not, download from [solrssl.ps1](#)
- Now open powershell as admin:
 - goto to the path ~/sitecore9_repository/
 - ./solrssl.ps1
- May be you will get error as: “running script is disabled on your system”, in this case run below command: 😊
 - Set-ExecutionPolicy -Scope CurrentUser Unrestricted
- After this script will ask to enter path for keytool (which will be found from ~program files/java/jre/bin/keytool.exe)



CONTINUING: HTTPS FOR SOLR

- Once giving path of keytool.exe and press enter. It generate 4 lines of setting, put all these to below of (~solr-6.6.2/bin/solr.in.config)

```
set SOLR_SSL_KEY_STORE=etc/solr-ssl.keystore.jks  
set SOLR_SSL_KEY_STORE_PASSWORD=secret  
set SOLR_SSL_TRUST_STORE=etc/solr-ssl.keystore.jks  
set SOLR_SSL_TRUST_STORE_PASSWORD=secret
```

- copy the generated ssl files from Sitecore9_repository (root directory) to the (~solr-6.6.1/service/etc/solr.in.Config), and paste here.
- Now again restart solr services, hope it should work solr as <https://localhost:8983/solr>

SIF



Now it's time to install: Sitecore Install Framework.

- Open PowerShell as admin:

Run these below commands one by one carefully, sometimes it will take few moments so wait... 😊

- Register-PSRepository -Name SitecoreGallery -SourceLocation <https://sitecore.myget.org/F/sc-powershell/api/v2>
- Install-Module SitecoreInstallFramework
- Update-Module SitecoreInstallFramework

SITECORE PACKAGE FOR XP SINGLE



- To add Sitecore packages in your sitecore9_Repository directory, you must download below packages by accessing <https://dev.sitecore.net/>
- And download “Sitecore 9.0.0 rev. 171002 (WDP XP0 packages).zip” by logged in with your credentials and extract this:

Sitecore 9.0.0 rev. 171002 (OnPrem)_single.scwdp.zip

Sitecore 9.0.0 rev. 171002 (OnPrem)_xp0xconnect.scwdp.zip

XP0 Configuration files rev.171002.zip

SITECORE CONFIGS



- First of all we extract **XP0 Configuration files rev.171002.zip** to `~/Sitecore9_Repository/Configs/`
- Now will open `sitecore-solr.json` and `xconnect-solr.json` and will check path and service name of solr is correct or not 😊

SIFLESS.EXE



- Now it's time to take help of SIFLess, [for more info visit [Blog](#)]
- Download [SIFLess.zip](#) and extract to ~/Sitecore9_Repository/SIF/
- After this run SIFLess.exe and on EZ Mode fill all the field
- Click on test once everything getting green checks, click on Generate button.



CONTINUING WITH SIFLESS.EXE

Now will run generated final script to create sitecore 9 instance.

- Open PowerShell as admin:
 - goto to the path ~/Sitecore9_Repository/SIF/
 - ./SIFXXXXX.PS1

Now Sitecore will be Installed. Congrats...



REFERENCES

- [Viet Hoang's Blog, Thanx Viet.](#)
- SIFLess.exe really great tool to save time and full-proof.
- <https://stackoverflow.com>

@ The content in this PPT is only to help while setup sitecore 9 on your local, with non-profitable.

ANY FEEDBACK?

As said, The biggest room in this world is the room for improvement. So, your suggestions would be deeply appreciated.

