

MS Build Project - Devops

There are 2 System :-
i) Master - Jenkins
ii) Slave - Windows Slave

Slave machine

i) Install chocolatey

In Powershell Paste command given ~~for~~

<https://scutwork.com/windows/install-chocolatey-choco-windows10>

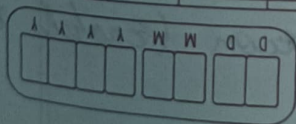
Paste the command given in powershell
by running as administrator.

2) Install Nugit

From official Site

Place nugit in any folder

(In our case, we created & put in C: drive)



3) MS Build download

In official website Download

Install it.

~~Set path in~~

go to C:\Program Files (x86) / MSBuild / 14.0 / Bin / amd64

copy this path & set to environ^t variable

in Path

4) Enable IIS & HTTP activation

Control panel → program & features →

Turn windows features on or off

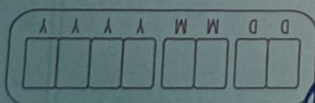
→ Internet Information Service (Enable this)

Turn windows features on or off

→ .NET Framework advanced services

→ WCF services

→ HTTP activation (Enable this)



click OK

⇒ allow users permissions for inet folder

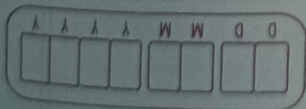
go to c://inet

→ Properties → Security → Edit

→ For every group & users give Full control

check all Allow all permission for every users

→ OK



Master - Jenkins

1) Install Plugins

i) git Plugin

ii) Msbuild Plugin

2) Create node

~~Dashboard~~ → nodes

Manage Jenkins → Nodes → New node

→ Name: windows-slave

Number of executors: 1

✱

Remote root directory: F:\MyMS

Launch Method: launch agent by connecting
it to controller.

→ Slave

3) ^{Set} Jenkins URL

• Manage Jenkins → System → Jenkins URL :

• : <IP address of Master> : 2020/

4) Set port

Manage Jenkins → Security → Agents

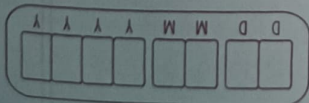
→ Filed : 2424

5) Download agent-jar

Copy the http://<link> link in Master

& Paste it in slack - Browser it will download agent-jar.

Place that agent-jar in File MyMS



6) Connect to Master

Copy 2nd Command in Master

↓
paste it in Command Prompt opened from
F:\MyMS

paste it & it will connect to Master.

connection done successfully

4) Create one freStyle project

→

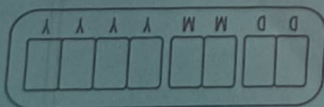
☒ Restrict where this Project can run
windows (slave name)

→ Git url

→ Build Steps → windows batch command

C:\Nugit\nugit.exe restore AspCalMStest.Sln

Build Now



Build now

You will get workspace ^{→ folder} in F:\MyMS.

~~2) Build ~~using~~ Visual S~~

2) Set MS Build Installation

Manage Jenkins → Tool → MS build Installation

⇒ Name: MSbuild

Path to MSBuild: ~~<Path of MS project> ASPnetMS~~
~~test -> ASPnetMS - csproj~~
>

in Slave machine

: <Path of MSBuild i.e., (C:\Program Files(x86)\MSBuild\11.0\bin(x86)>

Save



in Project

3) Build solution using MS Build

MSbuild version:

MSbuild

→ We Setted in Tools

MSBuild File:

<path to (F:\MyMS\Workspace\MSbuild project

\AspNetMtest\

\AspNetMtest.csproj)

Command line arguments:

/P: DeployOnBuild = true

/P: DeployDefaultTarget = WebPublish

/P: WebPublishMethod = FileSystem

/P: SkipInvalidConfigurations = true

/P: Configuration = Release

/P: Delete Existing Files = True

/P: Publish Url = c:\inetpub\www root.

→ Install Dot net (new) for given

Save

Build Now

Success