Installing and configuring Active Directory

Setup 0: Setup Windows
You are provided a Windows Server 2012 R2 server. First, set static IP address for domain controller. Also, setup the proxy.

Setup 1: Setup Active Directory Role
Open “Server Manager” and click on “Manage” in the upper right and select “Add Roles and Features”. 
Click Next
Ensure the “Role-based or Featured based installation” is selected, click next.
Select your current server, click next
Select the “Active Directory Domain Services”, click next
A window will Popup, click “Add Features”

Then you returned to the feature selection screen, click next
Select server roles

Before You Begin
Installation Type
Server Selection

Server Roles

Active Directory Domain Services
- Active Directory Certificate Services
- Active Directory Lightweight Directory Services
- Active Directory Rights Management Services
- Application Server
- DHCP Server
- DNS Server
- Fax Server
- File and Storage Services (1 of 12 installed)
- Hyper-V
- Network Policy and Access Services
- Print and Document Services
- Remote Access
- Remote Desktop Services

Description
Active Directory Domain Services (AD DS) stores information about objects on the network and makes this information available to users and network administrators. AD DS uses domain controllers to give network users access to permitted resources anywhere on the network through a single logon process.

Next >>
Click Next on the features screen
Read this screen, click next

Now confirm what will be installed, clicked Install
Confirm installation selections

To install the following roles, role services, or features on selected server, click Install.

- Restart the destination server automatically if required

Optional features (such as administration tools) might be displayed on this page because they have been selected automatically. If you do not want to install these optional features, click Previous to clear their check boxes.

- Active Directory Domain Services
- Group Policy Management
- Remote Server Administration Tools
  - Role Administration Tools
    - AD DS and AD LDS Tools
    - Active Directory module for Windows PowerShell
    - AD DS Tools
    - Active Directory Administrative Center
    - AD DS Snap-Ins and Command-Line Tools

Export configuration settings
Specify an alternate source path

< Previous  Next >  Install  Cancel

BPA results

646 PM  9/5/2017
Now the role will be installed. Now, wait as it install. This will make a few minutes.

After is done the screen you should see this screen, click “Promote this server to a domain controller”
Installation progress

View installation progress

1. Feature installation

Configuration required. Installation succeeded on WIN-4LM793JXKPT.

Active Directory Domain Services
Additional steps are required to make this machine a domain controller.

Promote this server to a domain controller

Group Policy Management

Remote Server Administration Tools

Role Administration Tools

AD DS and AD LDS Tools

Active Directory module for Windows PowerShell

AD DS tools

Active Directory Administrative Center

AD DS Snap-Ins and Command-Line Tools

You can close this wizard without interrupting running tasks. View task progress or open this page again by clicking Notifications in the command bar, and then Task Details.

Export configuration settings

< Previous  Next >  Close  Cancel
This Window will appear
Select “Add a new forest”, in text box labeled “Root domain Name”, you should enter your team domain. So if your team is 40 you would enter team40.isucdc.com.
Next, enter the Domain Services Restore Mode password. This password is used if need to recover Active Directory Server. You should securely document this password for your team. Click Next.

The next, the warning is saying that this AD server is DNS server for team40.isucdc.com. This is expected, click next.
The next screen will appear about NetBIOS name for the domain. Should be Team40 for Team40. For your domain replace 40 with your team number.
Choose the location for the database. The default should be fine. Click next.
The next screen will be a summary of the install. Click next after reviewing.
The tests pass, click Install.
It installed click close.

Now, wait for promotion process to finish.