This is a multi-master configuration; in other words, each DC has the same data

**Please read before you touch the kbd; I am watching you**

**Building on LabD  
  
Do not Revert** your snapshots

Introduction  
For LABD you have w2k8a01, w7a, and w7b  
For labE you will add a w2k8 machine, I will use w2k8b02  
 **Be sure the password** on w2k8b02 is not the same as the one on w2k8a01; if it is, **you will get a 0 for this lab**

All machines are on the same subnet

In this lab you will install and configurea 2ndActive Directory on w2k8b02  
**Note:** The AD on w2k8b02 will use the same DNS configured for LabD  
  
**Network Verification**Configure IP setting onw2k8b02  
Verify that w2k8b02 can ping w2k8a01 by number and FQDN  
  
**Install Active Directory and DNS Together**  
onw2k8b02  
Please verify there are no entries for AD or DNS in Admin Tools  
  
Start, Run and dcpromo  
on Welcome to the Active Directory Domain Services Installation Wizard  
click Next  
on Operating System Compatibility  
click Next  
on Choose a Deployment Configuration  
click the radio button next to Existing forest, Next  
Leave the default, Add a DC to an to existing forest, Next  
on Network Credentials, type kim.com in the textbox under  
Type the name of any domain…   
  
click Set and type the admin credentials, Next, Next  
on Select a domain, NEXT  
Select a site, Next  
on Additional DC options, Next  
When prompted, Y

on the Location for DataBase, Log Files, and SYSVOL, Next  
on Directory Services Restore Mode Administrator Password  
type Password01, or a password of your choice, Next  
on Summary  
scroll and read it  
click Next  
on the popup  
select the box next to Reboot on completion  
After reboot  
  
on w2k8b02  
logonto the domain as Administrator  
go to Administrative Tools  
click DNS  
on DNS Manager console  
click the plus next to w2k8b02  
click the plus next to Forward Lookup Zones  
click kim.com  
Notice that the Forward Lookup Zone is created**Why?**  
click the plus next to Reverse Lookup Zones  
notice that the Reverse Lookup Zone is created**Why?**  
  
on w2k8a01  
log onto the domain as Administrator   
go to Administrative Tools  
click DNS  
on DNS Manager console  
click the plus next to w2k8a01  
click the plus next to Forward Lookup Zones  
click kim.com  
Notice that the Forward Lookup Zone was updated **Why?**  
click the plus next to Reverse Lookup Zones  
notice that the Reverse Lookup Zone was updated **Why?**

on both DC, go to AD Users and…

verify that all users and groups are listed

**Users logon from each client**  
use a different user to log onto the domain

On kbcreate user chris  
go to ka and verify that chris is listed **Why?**  
from a client log onto the domain as chris

**View the network on all machines**  
On a clients  
Go to Accessories, Windows Explorer, Network  
If prompted, turn on network discovery and f sharing  
When prompted for username and password, enter the user name and password. What is the result?

Now use Administrator and the admin password  
What is displayed?**Why?**

On DCs  
Go to Start, Network  
If prompted, turn on network discovery and f sharing  
When prompted for username and password, enter Administrator and the admin password

What is displayed? **Why?**

On kb DC  
Create a folder on C:\ and share it with everyone  
  
On client  
If Network is still displayed, r click and Refresh  
What is displayed? **Why?**

If not already in Network  
Go to Start, Network  
If prompted, turn on network discovery and f sharing  
When prompted for username and password, enter Administrator and the admin password  
What is displayed? **Why?**

Tests:  
1. Log onto the domain from both clients with user accounts  
2. Shut down ka and verify if users are still logged onto the domain  
3. Logoff all users and verify if users can log onto the domain from both clients  
4. On kb, add user steff, and be sure steff can logon  
5. Reboot ka, and verify if steff is listed  
6. Shut down kb and verify if users are still logged onto the domain  
7. Logoff all users and verify if users can log onto the domain from both clients  
8. On ka, add user andi, and be sure andi can logon  
9. Reboot kb, and verify if andi is listed