How to configure Forest Level Trust in Windows Server

Posted on May 6, 2013 by Rick Trader
inShare2

Scenario – Two organizations, USSHQ (USSHQ.Local) and Dulce Base (DulceBase.Local) need to be able to share resources. A forest trust relationship between the two organizations Active Directory Domain Services is desired. Before the trust can be created name resolution needs to configured and tested for connectivity between the two domains. Once the trust relationship is configured, resource administrators will be able to configure permissions, privileges and rights to the trusted forest users.

Requirements

- Both Forests need to be in Forest Functional Level 2003 or higher
- Name resolution must be in place. Check out the blogs below for more information on how to create.

  Conditional Forwarder – How to configure a Conditional Forwarder in DNS

  Stub Zone – How to configure a DNS Stub Zone in Windows Server

  Secondary Zone – How to configure a DNS Secondary Zone in Windows Server

- Must be a member of the Enterprise Admins Group or the Domain Admins Group in the forest root or delegated the rights to create trusts.

Terms

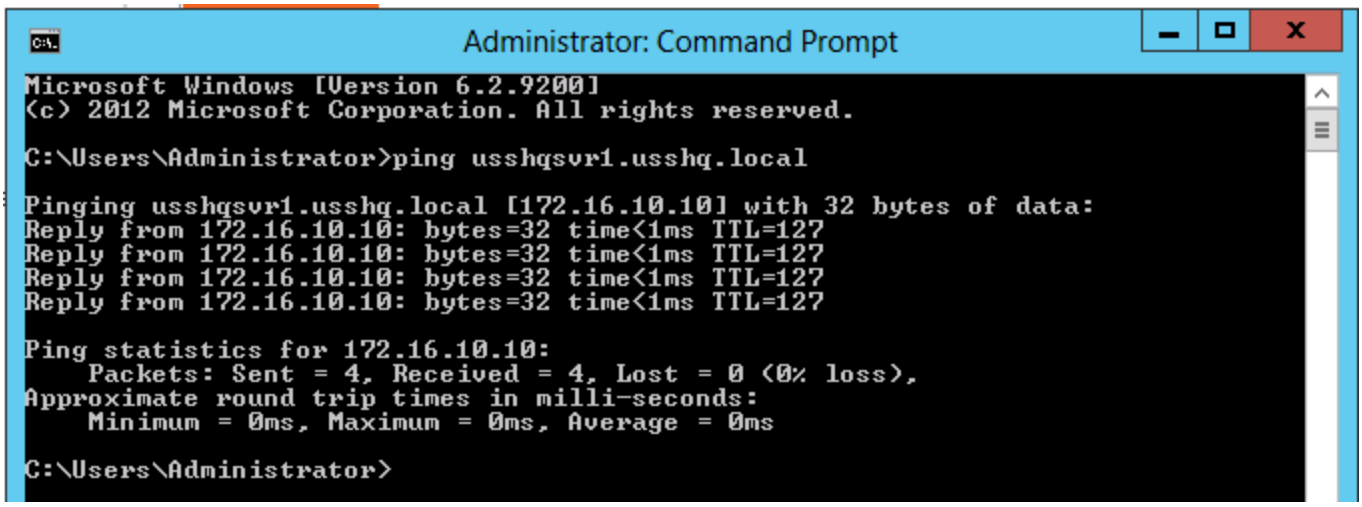
- Trusted Domain or Forest – is the domain or forest where the users are authenticated.
- Trusting Domain or Forest – is the domain or forest where the resources reside.

Note: Trust**TED** / Trust**ING** – ***Ted*** has the user, ***Ing*** has the things.

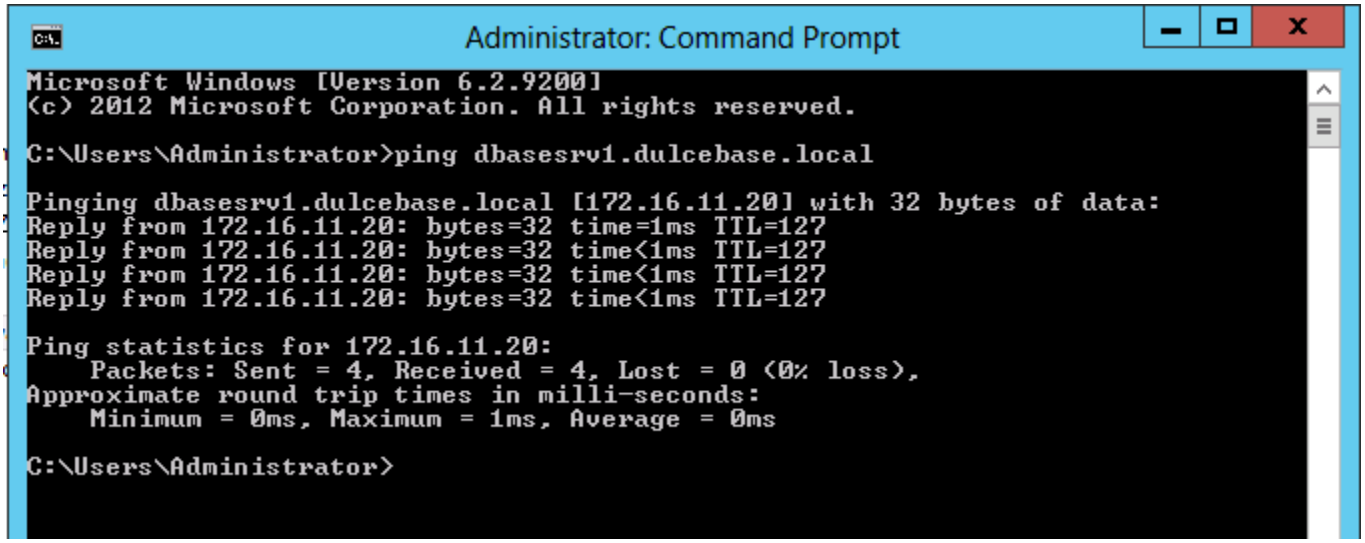
- Transitive – User are able to traverse through the Parent – Child trust relationship to access resources in the trusting domain.
- Non-transitive – User are not to traverse through the Parent – Child trust relationship to access resources in the trusting domain.

Verifying Name Resolution

If a computer from Dulce Base attempts to contact a computer in USSHQ it should be able to resolve the name to an IP Address.

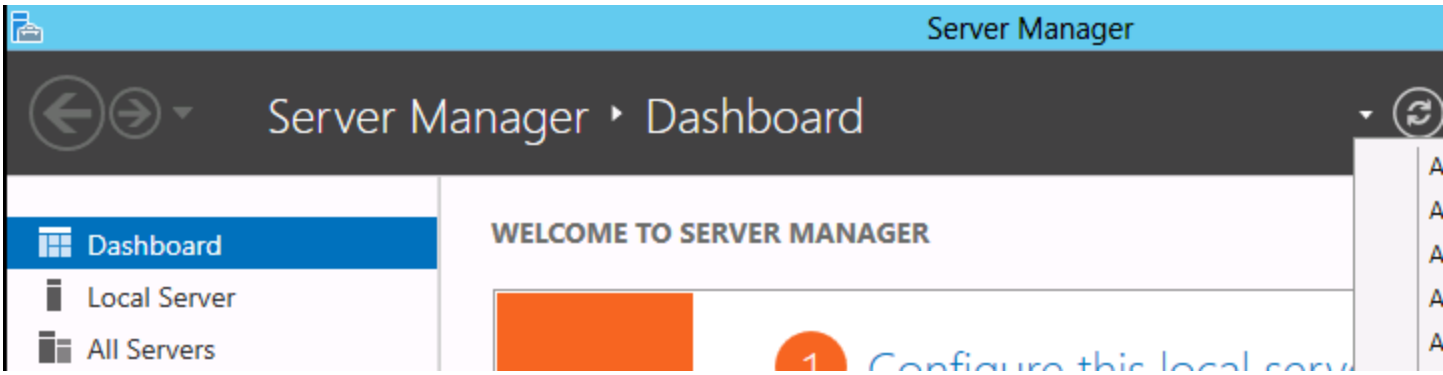


If a computer from USSHQ attempts to contact a computer in Dulce Base it should be able to resolve the name to an IP Address.

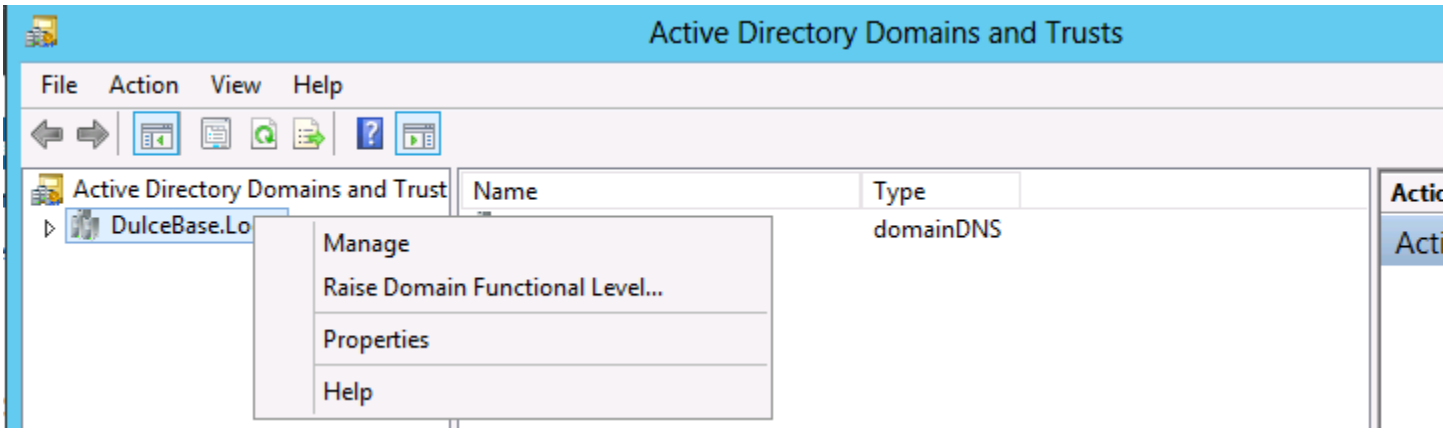


Configuring the Forest Trust (steps will be accomplished in both Forest root domains).

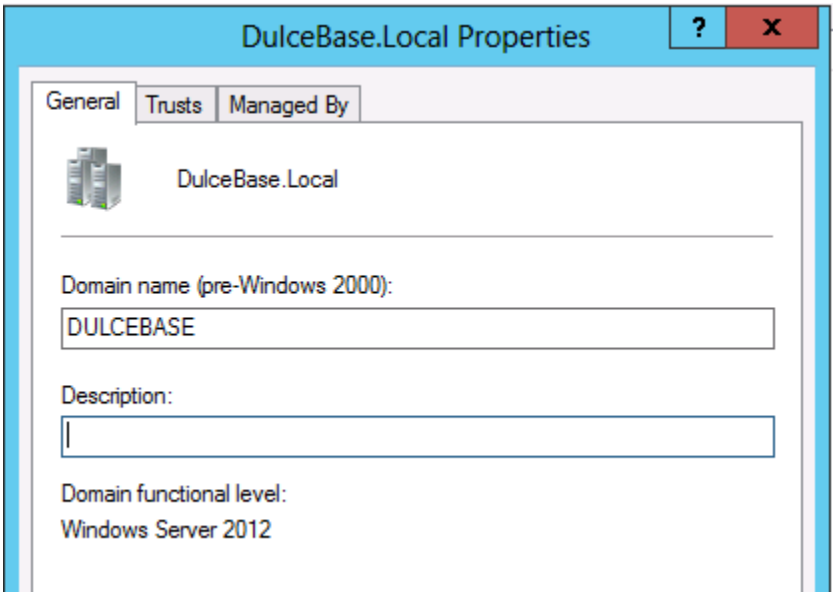
1. Launch Server Manager, using the Tools drop down menu select Active Directory Domain and Trusts.



2. In Active Directory Domains and Trusts, Secondary click on the domain and Click on Properties.

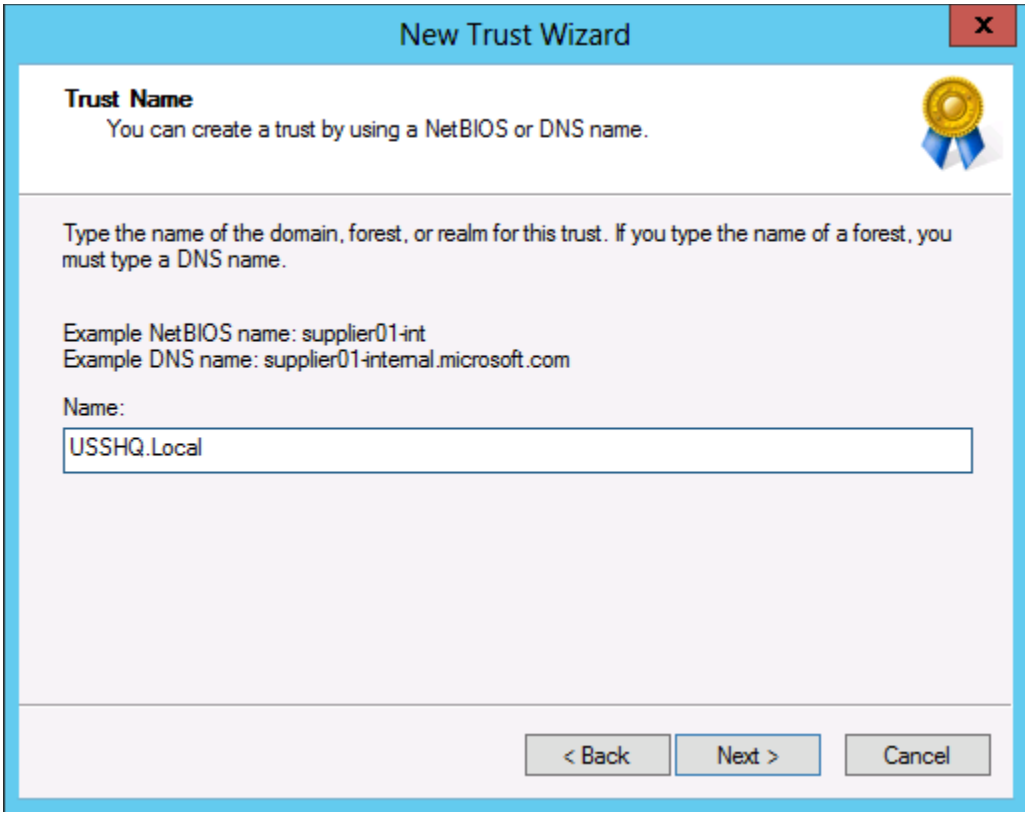


3. On the Domain Properties sheet, click on the Trusts tab.

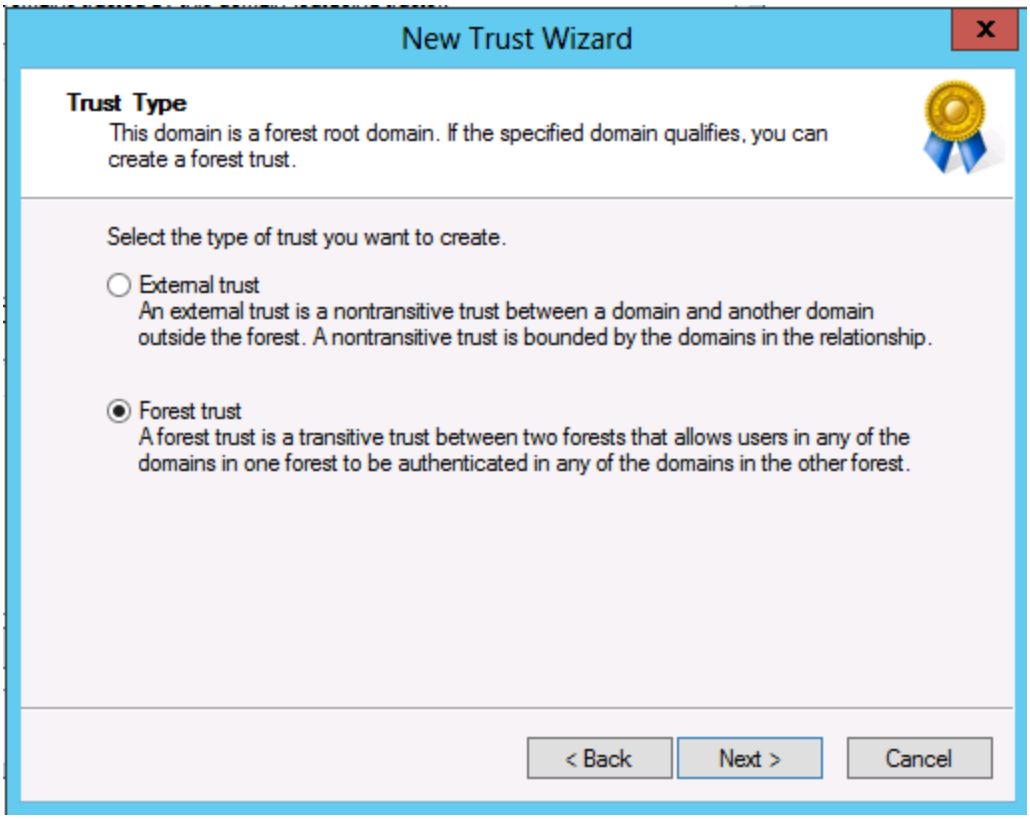


4. Click New Trust, on the Welcome to the New Trust Wizard click Next.

5. On the Trust Name page, enter the name of the forest you want to establish the trust with, click Next.

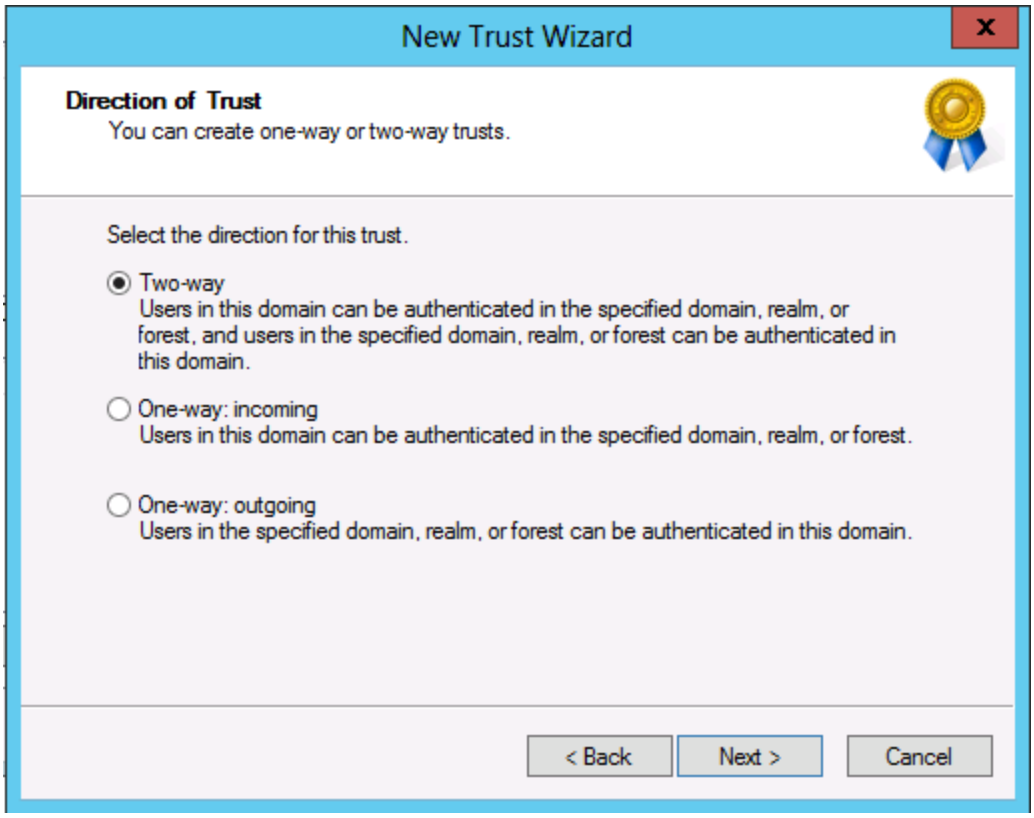


6. On the Trust Type page click on Forest trust, click Next.

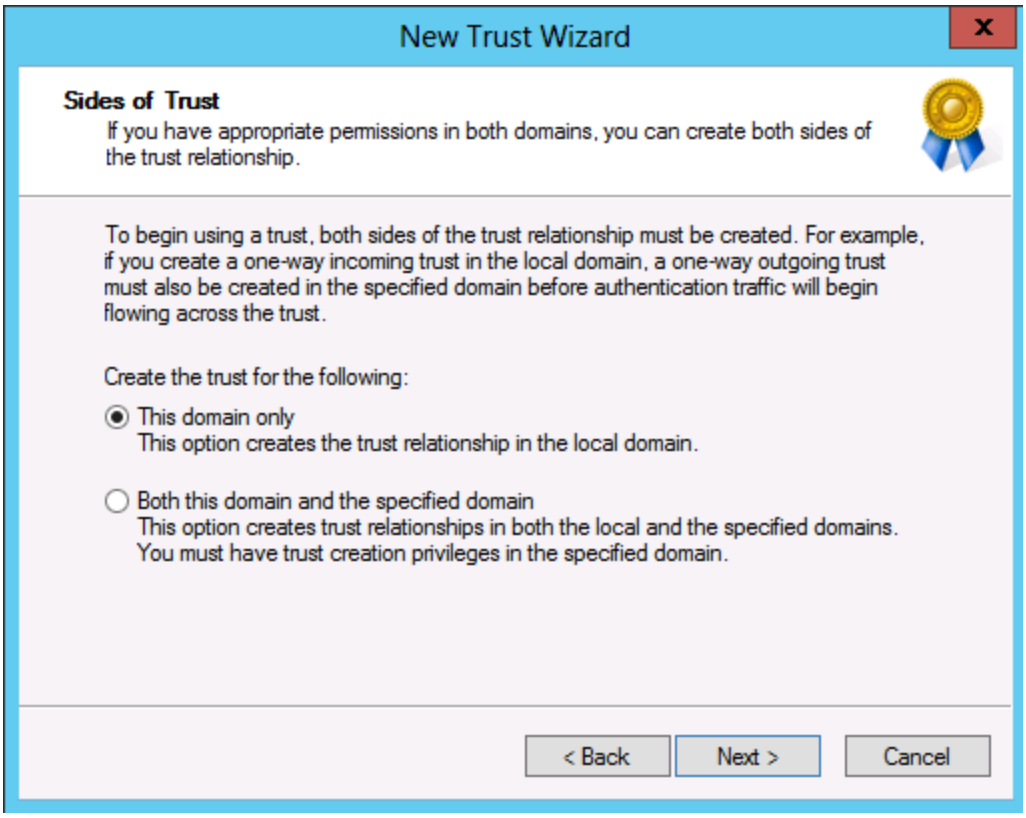


Note: If one of the forest were not at Forest Functional Level 2003 or higher, an external trust relationship would be the default and the above screen would not have appeared.

7. On the Direction of Trust page choose the direction of the trust, click Next.



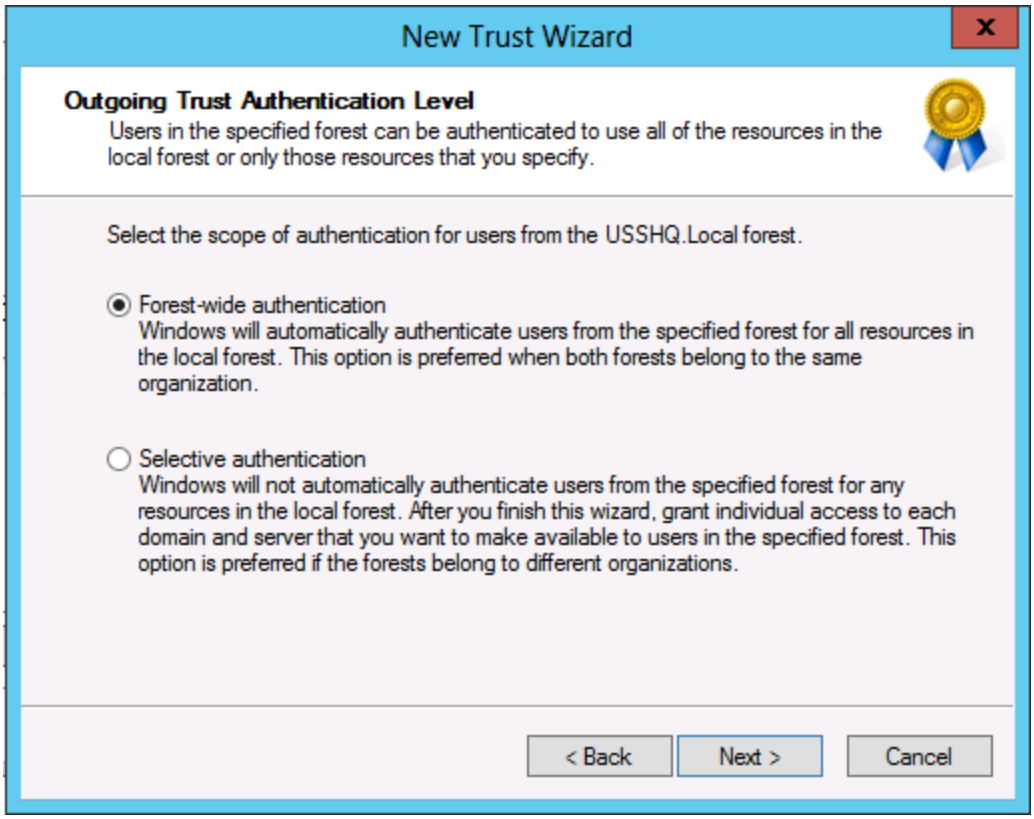
8. On the Sides of Trust page, in order to set the trust up for both domains you will need the administrative privileges or know the administrator account and password for both domains. In this demo I will choose **This Domain Only**, click Next.



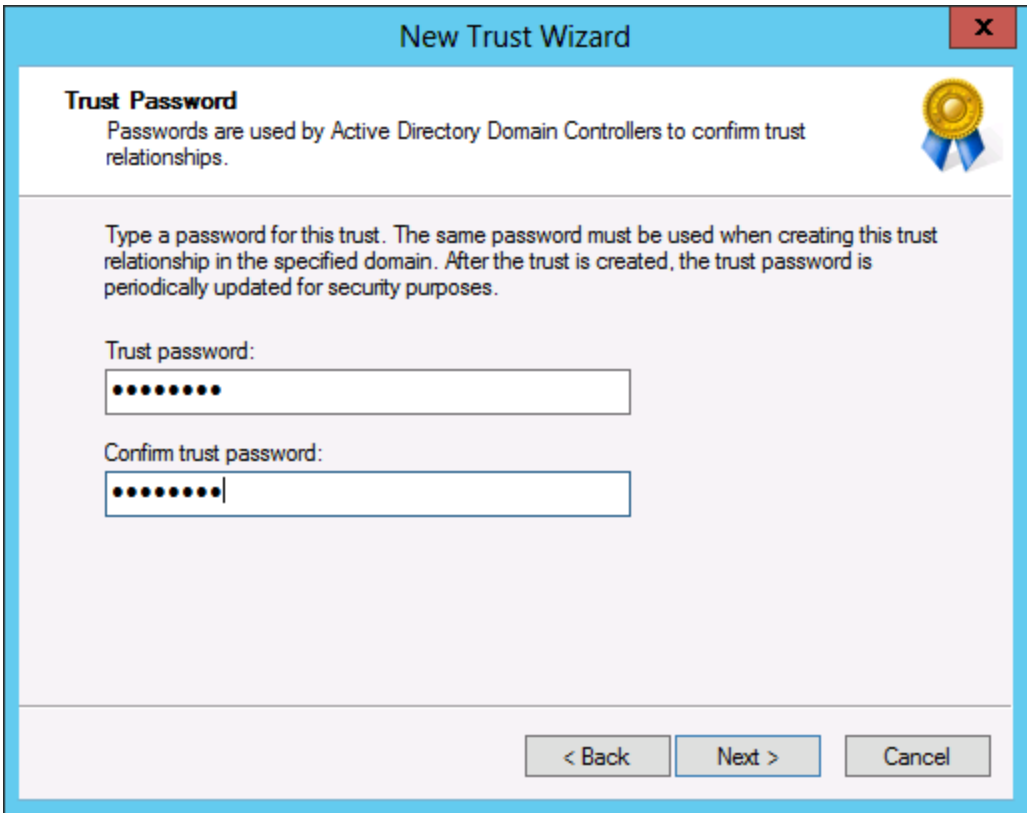
9. On the Outgoing Trust Authentication Level page, choose the appropriate authentication level, click Next.

Forest-wide will allow any authenticated user from the trusted forest to access any resource in the trusting forest that they have the permissions, privileges or rights. They will also be able to log onto computers in the trusting forest.

Selective will allow the administrator in the trusting forest to specify which resources and domain the users from the trusted forest.



10. On the Trust Password page, enter a password that the administrators from both forests have agreed upon as the trust password, click Next.



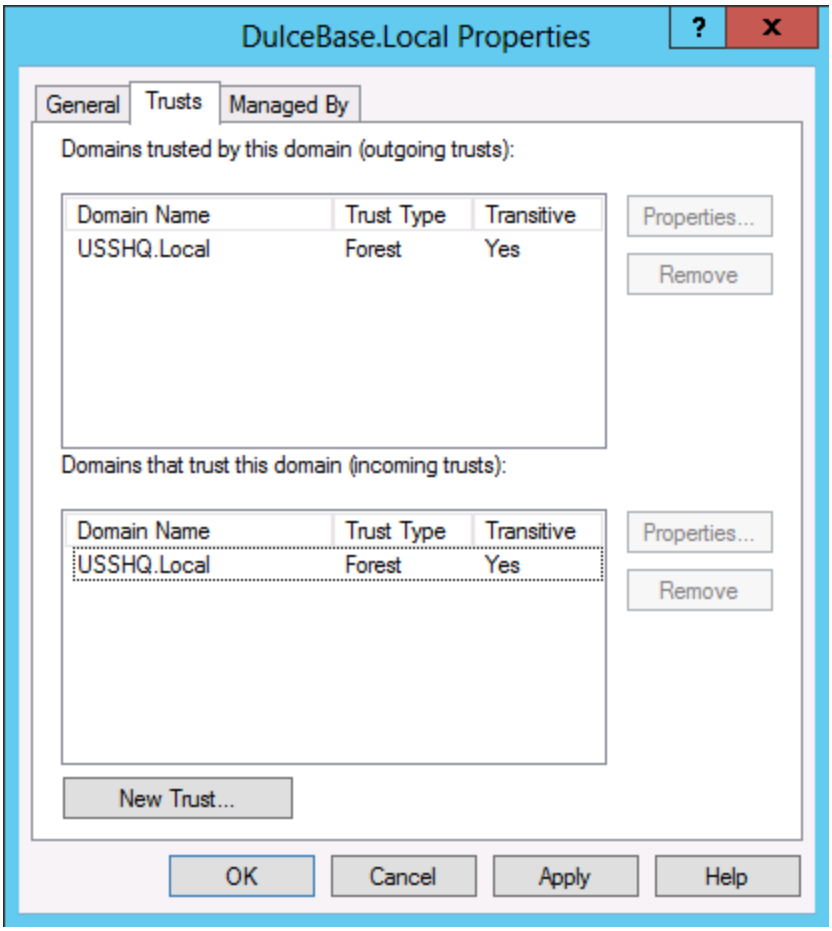
11. On the Trust Selections Complete page click Next.

12. On the Trust Creation Complete page click Next.

13. On the Confirm Outgoing Trust page and the Confirm Incoming Trust page click Next.

14. On the Completing the New Trust Wizard page click Finish

15. On the Domain Properties page, click Apply.



Once the Forest Trust has been created in the other forest the two-way trust will be completed. User will then be able to access resources across the transitive trust between the forests. Use the Sharing and Security tabs to give the appropriate permissions to folders and/or files.