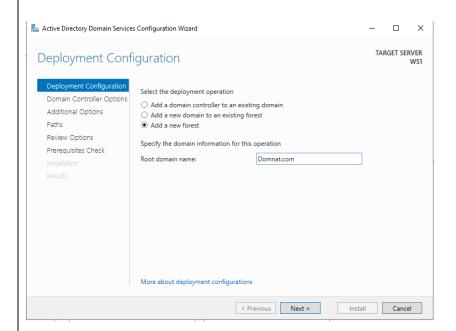
INFO603 Practical project documentation template (Engineering journal)

Section number: Two

Student name: Dominic Nathan

Setting domain name for the new forest Local users who were previously not assigned to any domain become members of a new forest when it is created. This gives users and resources in the forest autonomy. Outside of the forest, services and data are inaccessible. Forest trust relationships can provide access to resources that exist outside of forests.

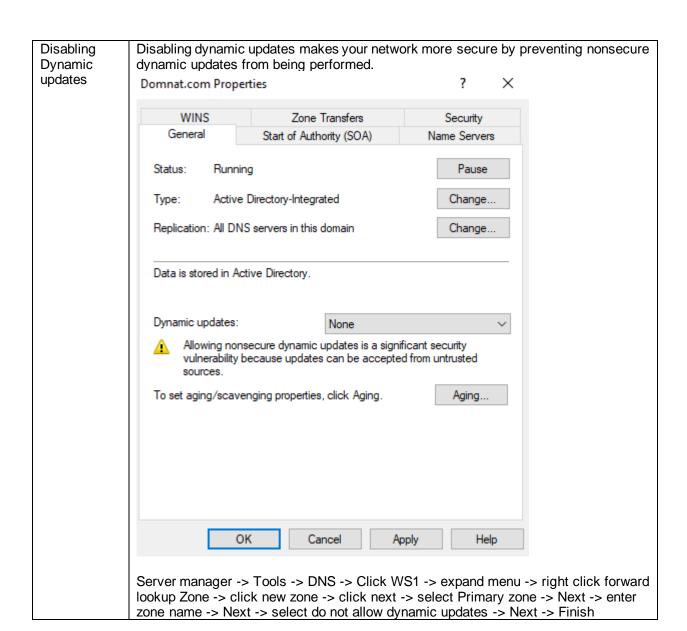


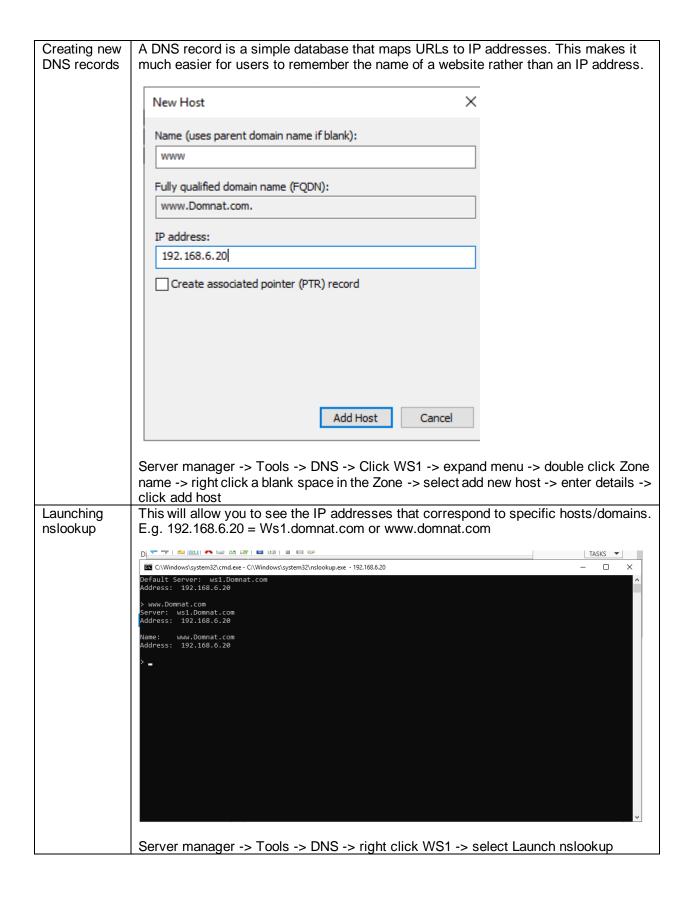
Click add roles & features -> role-based -> click next -> for sever selection select WS1 -> click Active directory domain services -> navigate to the end and install AD DS -> once installed select notifications -> click promote this server to a domain controller -> select add new forest -> enter domain name -> click next -> enter password -> click next till you get to install -> click install

Client VM The Client VM is obtaining an IP address from the DHCP server on WS1, WS1 is obtaining IP configured to provide IP address to clients. address × Network Connection Details Network Connection Details: Property Value Connection-specific DN... Domnat.com Intel(R) 82574L Gigabit Network Connect Description IPv4 Default Gateway 192.168.6.20 IPv4 WINS Server 192.168.6.18 NetBIOS over Topip En... Yes Link-local IPv6 Address fe80::f968:5b74:204f:a4b4%14 IPv6 Default Gateway IPv6 DNS Server

Open settings -> click network -> ethernet-> right click adapter -> select status.

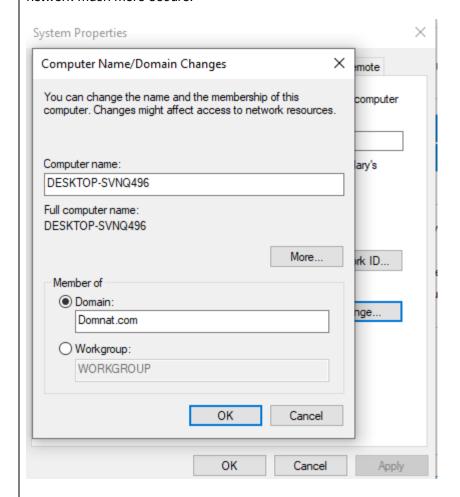
Close





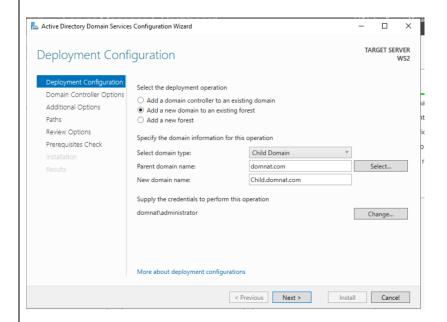
Add client to domain

Joining a client to a domain allows users to access resources in that domain while also allowing administrators to manage and implement security policies, making the network much more secure.

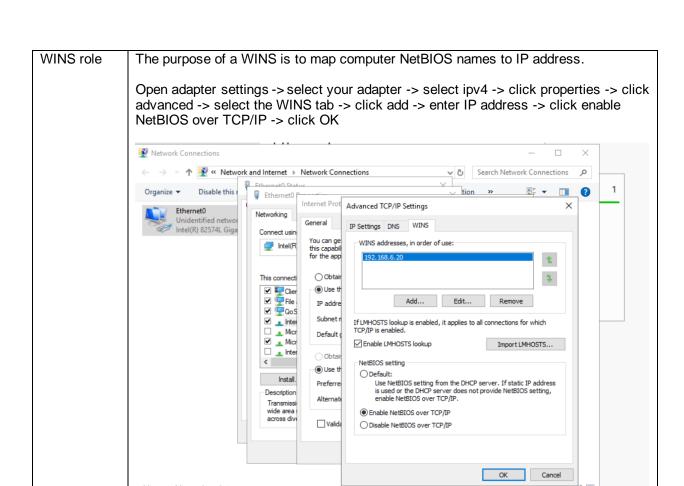


Open control panel -> System & Security -> right System -> Select open -> change settings -> click change -> select member of -> enter domain name -> click Ok -> restart computer

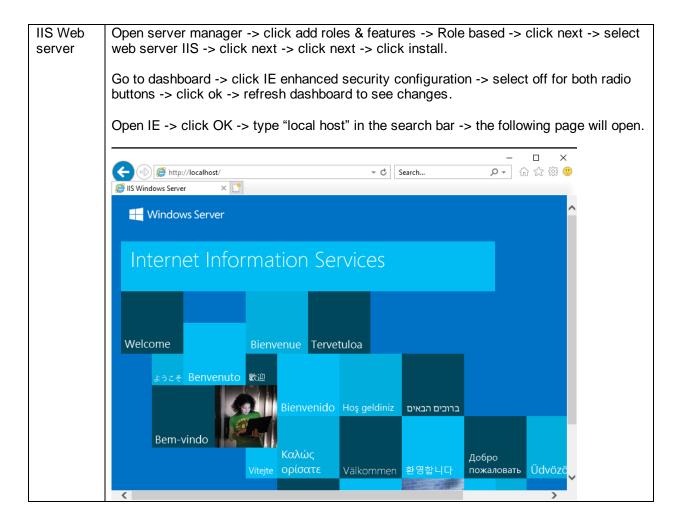
Add WS2 to WS1 as a child domain Creating a child domain provides users with the same benefits as the parent domain, which means that the child domain has access to the same resources and groups as the parent, depending on the admin's policies.



Open server manager -> Select add roles & features -> AD DS -> navigate to install -> once installed -> notifications -> click promote this server to a domain controller -> select -> add a new domain to an existing forest -> enter parent domain name -> enter credentials -> navigate to install -> select install.



Open server manager -> Select add roles & features -> Select Wins -> navigate to install -> click install.



List At the three most useful Internet resources that you used (provided by the tutor)

- Join client to a domain https://www.youtube.com/watch?v=86TU6wZfPfk&ab_channel=ittaster
- Create a domain controller https://www.youtube.com/watch?v=Wa7yqCNAlBo
- Server manager https://www.youtube.com/watch?v=rq-Dqjb_LGU

List all (at least three) Internet resources that you found and used that were not provided by the tutor)

https://www.youtube.com/watch?v=gEn8j9vkaMU&ab channel=AltonHardin

https://docs.microsoft.com/en-us/windows-server/identity/ad-ds/deploy/troubleshooting-domain-controller-deployment

https://techcommunity.microsoft.com/t5/azure-virtual-desktop/user-in-child-domain-gets-connection-denied-when-connecting-to/td-p/2317489

Reflect on at least two significant problems you came across during the implementation of this section and the solution you found. Use at least five sentence to describe each problem and five sentences to describe each solution. Demonstrate your critical thinking and problem-solving abilities.

Problem	Solution
Can't join the client to the domain of WS1	Haven't found a solution yet, but I have watched some YouTube videos and verified connectivity between the server and client as I'm able to ping. https://www.youtube.com/watch
Can't join WS2 to WS1 as a child domain	Solution Michael provide me with a working VM