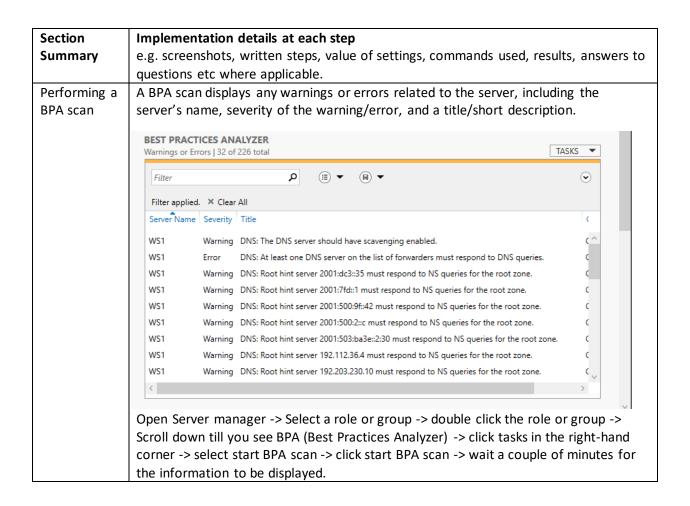
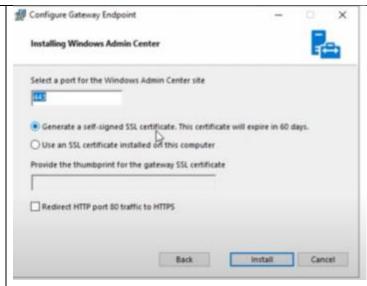
INFO603 Practical project documentation template (Engineering journal)

Section number: Three

Student name: Dominic Nathan



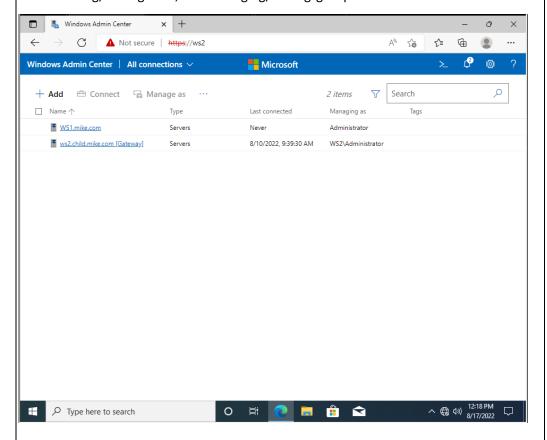
Windows Admin center



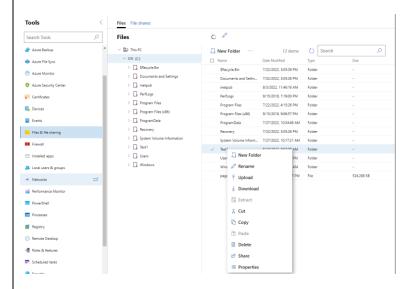
Open google chrome -> type windows admin center -> click "Windows Admin center| Microsoft Docs" -> Click "Get it here" -> navigate to file explorer -> double click "Windows Admin Center Setup" a setup wizard will open -> accept terms & conditions -> click next -> select "Use Microsoft updates when I check for updates" -> click next -> click next again -> click install -> it will generate a URL save this for later -> click Finish

Adding WS1 to WAC

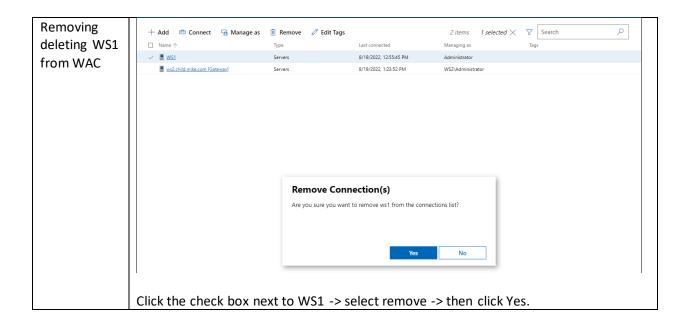
W Windows admin center allows users to customize and control multiple servers/PCs via a web browser GUI. Some features include managing firewalls, downloading/editing files, and managing/editing groups and roles.



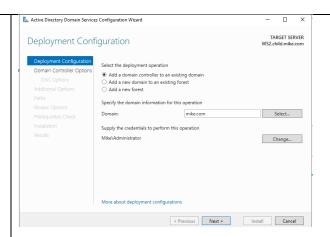
Click add -> click add server -> enter server name -> select use another account for this connection -> enter credentials -> click add with credentials -> click add.



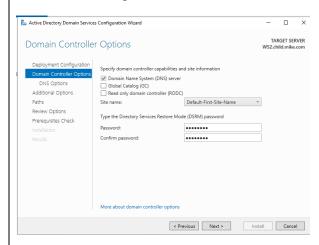
Click WS1 -> select files & sharing -> click (C:) drive -> navigate to the file you wish to download -> right click -> select download.



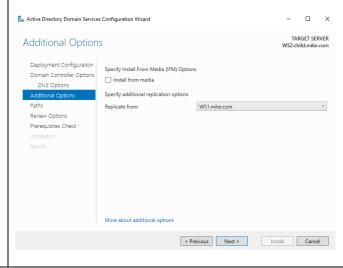
Making WS2 a Domain controller



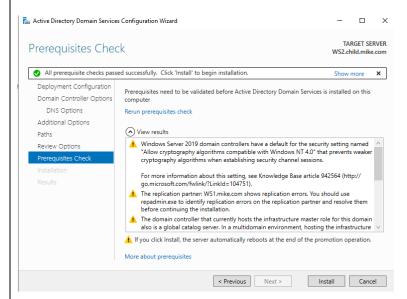
Click add roles & features -> role-based -> click next -> for sever selection select WS2 -> click Active directory domain services -> navigate to the end and install AD DS -> once installed select notifications -> click promote this server to a domain controller -> select add existing domain -> enter domain name -> enter credentials ->



Click next -> uncheck "Global Catalog" -> Enter DRSM password -> click next -> click next ->

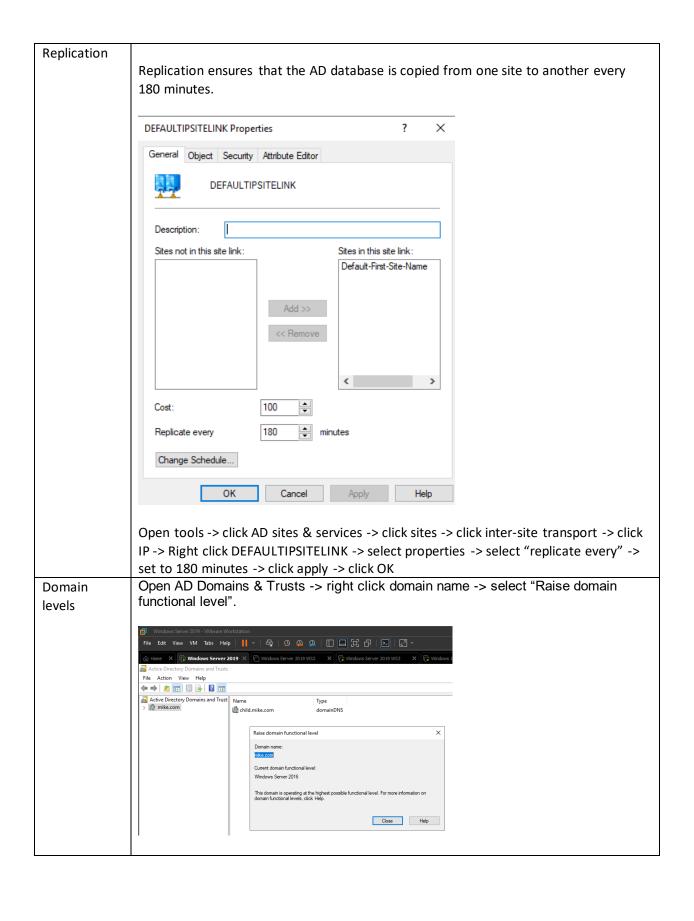


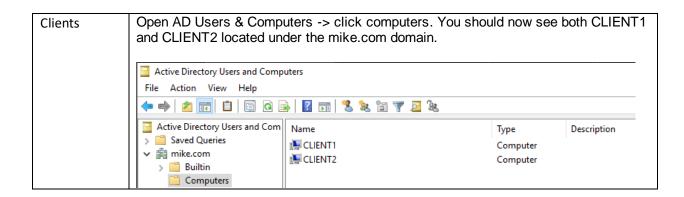
Select replicate from WS1.mike.com -> click next -> click



Open AD Users & Computers -> click domain controllers. You should now be able to WS2 located under the same domain as WS1. Both servers are now acting as domain controllers for mike.com.

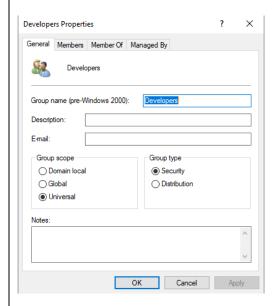




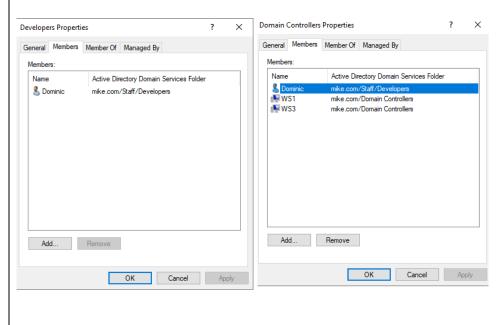


Adding OU

Open AD Users & Computers -> right click domain -> select new -> select organization unit -> enter name -> click OK

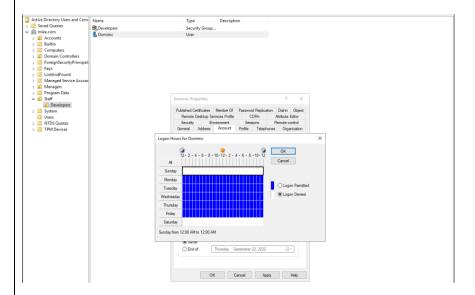


Right click folder -> select new -> select organization unit -> enter name -> click OK -> click add group -> enter group name -> set scope to universal -> click members tab -> click add -> enter users name -> click check names -> click OK.

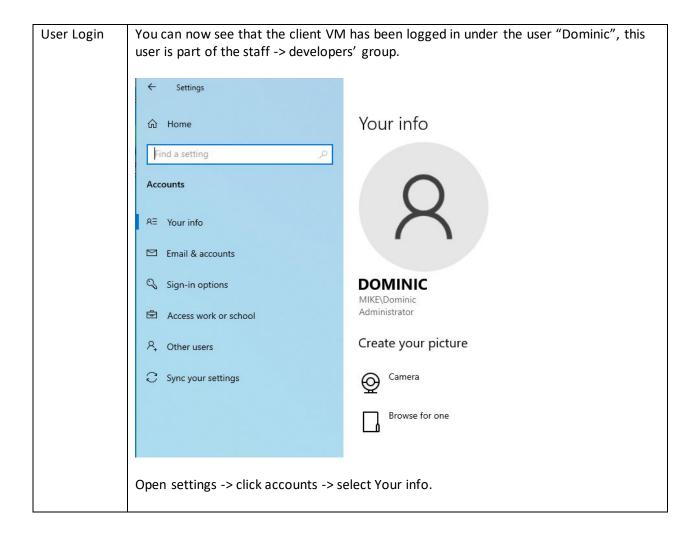


Developer Restrictions

This enables administrators to control/restrict the hours and days that users have access to systems and resources. Limiting the hours that developers can work can help to mitigate the damage done when an account is compromised.



Open tools in server manager -> select Active Directory users and computers -> expand the domain -> select staff -> developers -> select the user -> right click the user -> select properties -> select the account tab -> click logon Hours -> select the days/ hours you want to restrict -> click disable -> click OK -> click Apply -> click OK



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

https://www.rebeladmin.com/2015/07/how-to-enable-universal-group-membership-caching-ugmc/
https://www.youtube.com/watch?v=E39 MzvCFXA
https://www.youtube.com/watch?v=cETbT22TWEE

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=pVWg Mwz5aY&ab channel=MSFTWebCast
https://www.youtube.com/watch?v=umwxMaDwVk8&ab_channel=ROHITTECH
https://community.spiceworks.com/topic/2108288-error-joining-domain-spn-value-provided-for-addition-modification-is-not-unique

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
I ran into an error whilst trying to join the two domains together. "Error joining domain -SPN value provided for addition/modification is not unique".	I spent several hours reading articles and watching YouTube videos with no success because there was little documentation. Only a few websites provided a solution. The solution I tried also did not work.
	I devised my own solution and set up a new server with DHCP and DNS, then linked the two servers together with no problems.
I struggled to add restrictions to my developer group, when restricting what days they could work.	My solution was to watch a couple of YouTube videos demonstrating how to navigate to the logon hours. Which allowed me to change when the developers could access their system & resources.