INFO603 Practical project documentation template (Engineering journal)

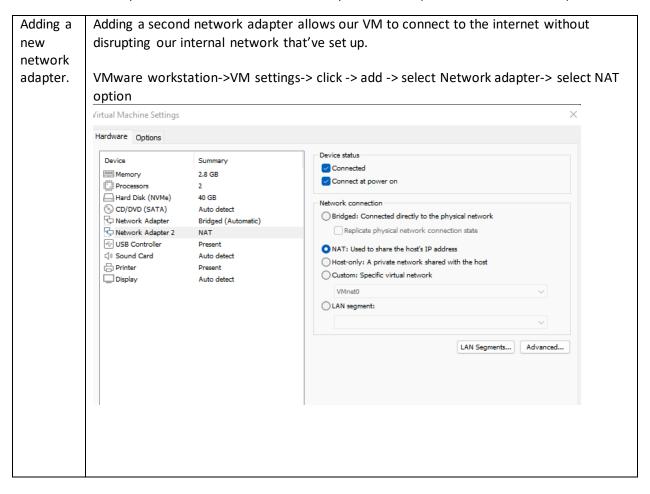
Section number: 5

Student name: Dominic Nathan

When doing practical work it is common practice and extremely useful to document the steps you took. This assists you make your learning more tangible and organise it. The more detail you can provide the better it is so that if ever you want to configure it in the future you have a personal record documented.

The project book gives the main implementation steps. However this documentation report requires you document what you did at each implementation step as you are doing the practical project. It is not advised to do this at the end otherwise you are likely to forget what you did.

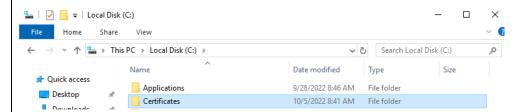
Please write this in your own words as it is a record of your work. Copied material is not accepted.



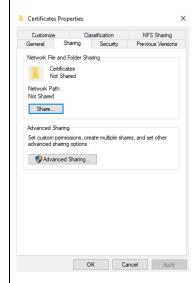
Creating a shared folder

Creating a shared file allows users on the domain access to any resources contained within that file, admins can control what users have access to shared files as all resources may not want to be shared.

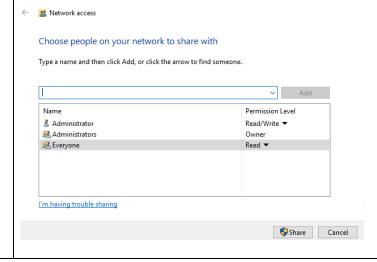
Open file explorer on WS1 -> click local C: drive -> right click some blank space -> select new -> select folder -> enter folder name.



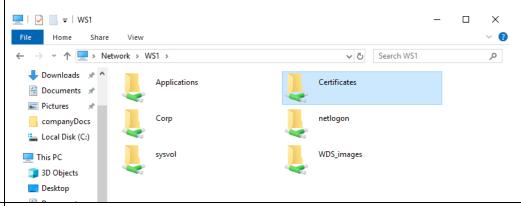
Right click your newly created file -> select properties -> select the "share" tab.



Click share -> select everyone from the drop-down menu -> click add -> click share.



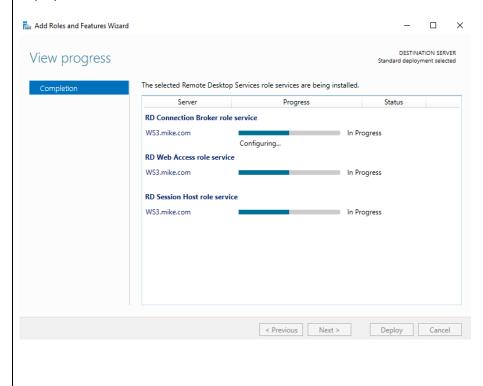
Login to WS2 -> open file explorer -> type in the network path to see if you can access the certificates folder.



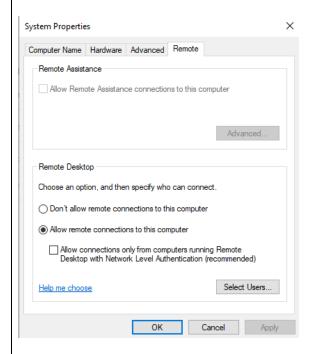
Adding remote desktop

A remote desktop is a program or a feature of an operating system that enables a user to connect to a computer in another place. This feature/program is very useful when troubleshoot and providing remote support.

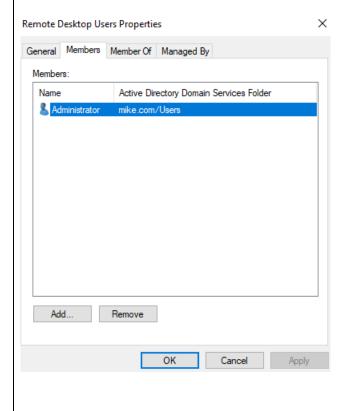
Open server manager -> click add roles & features -> click next -> select remote desktop installation-> click next -> select standard deployment -> click next -> select session-based deployment -> click next -> click next -> click black and grey arrow to add your server from the server pool -> click next -> click black and grey arrow to add your server from the server pool for RD Web Access -> click next -> click black and grey arrow to add your server from the server pool for RD Session Host -> click next -> select Restart if required -> click deploy -> once the server has restarted & it shows that it is successful click close.

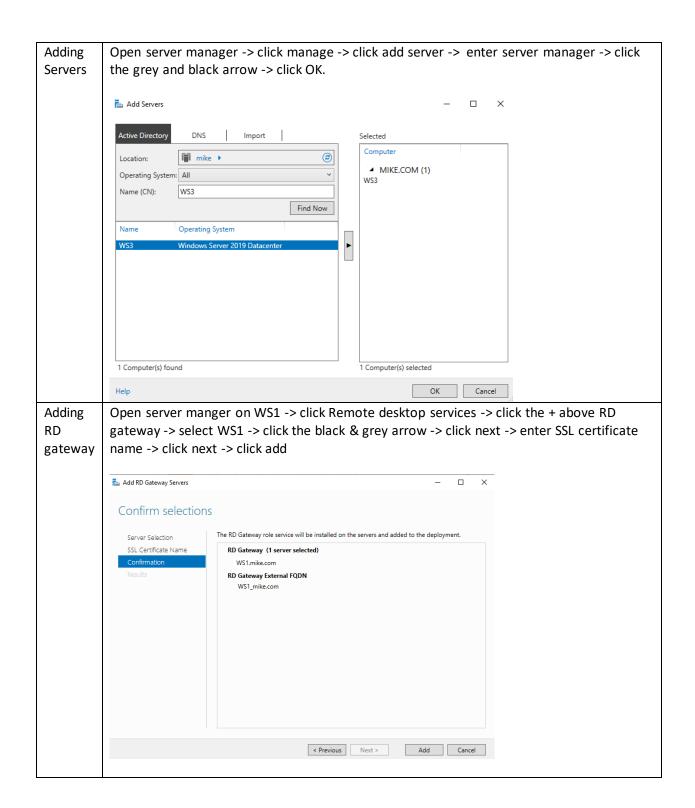


Open control panel -> click system & security -> click system -> click allow remote access -> click OK.



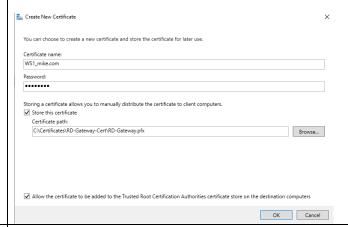
Open tools -> select users and computers -> search for the group remote desktop users -> click members tab -> click add -> add your administrator to the group.





Creating SSL cert

Open server manager -> click remote desktop services -> click tasks -> click edit deployment options -> click certificates -> click RD gateway -> click create new certificate -> enter name -> enter password -> browse to where you want to save it -> click the check box at the bottom of the page -> click OK -> click apply.



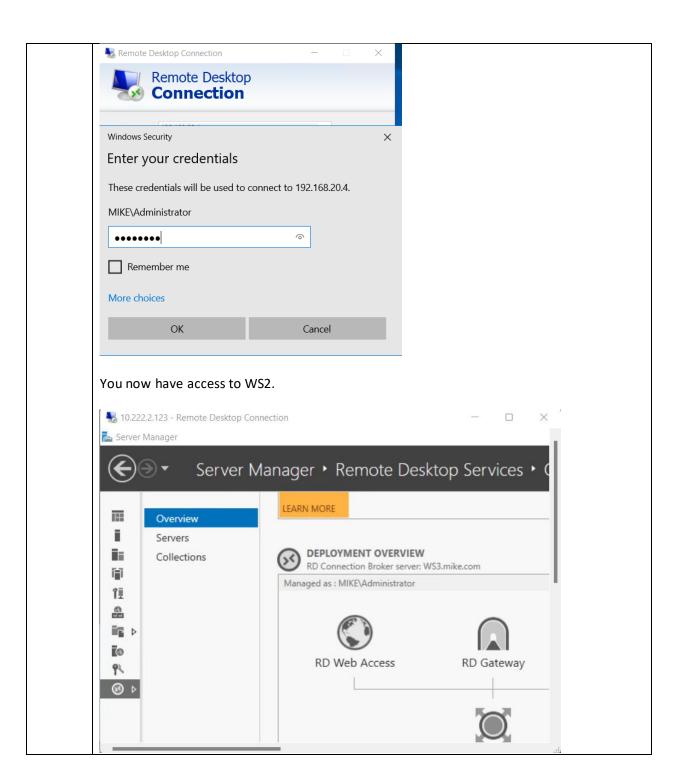
Remote desktop

Remote desktop allows user to remotely connect to other machines, this can be handy when troubleshooting or as shown below can be used to remote into one machine and then remote into another as the second machine can only be accessed from the internal network.

Open remote desktop on you client machine -> enter the IP address of WS1 -> enter your credentials -> click connect.



Once you've logged into WS1 open remote desktop again -> type the IP address of WS2 -> enter your credentials -> click connect.



RD Web Access

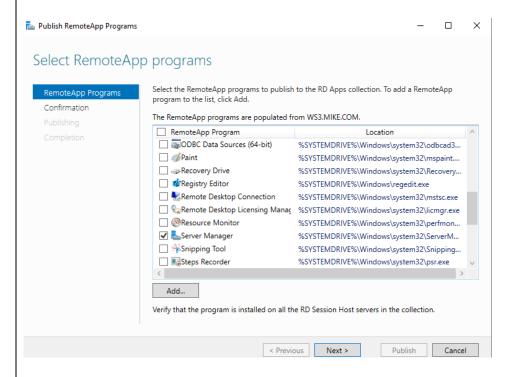
Open remote desktop services -> click collections -> click "Create session collection"



Enter your collection name -> click next -> select WS2 as your RD host-> click next -> select which user group you'd like to have access -> click next -> uncheck the check box -> click next -> click create.

Once your collection has been created you will see it appear under the collections tab as shown above.

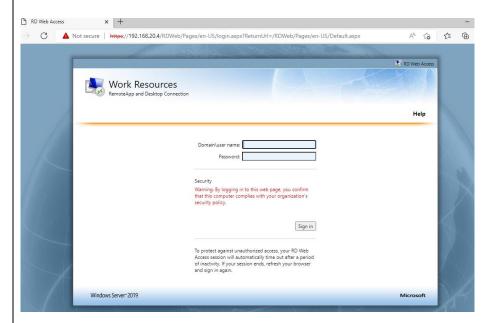
Click on your collection -> click "Publish remoteApps Programs" under RemoteApp programs -> select the apps you'd like to install -> click next.



Click -> publish -> wait for it to install -> click close.

Log into your client machine -> open internet explorer -> enter "https://hostname.domain/rdweb

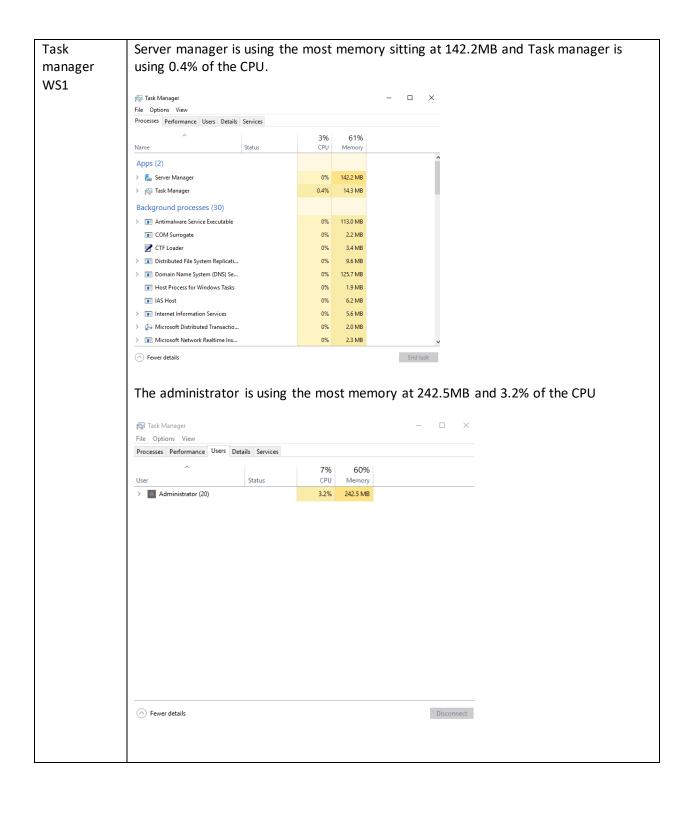
Or login with your credentials.">https://serverlPaddress/rdweb" -> login with your credentials.

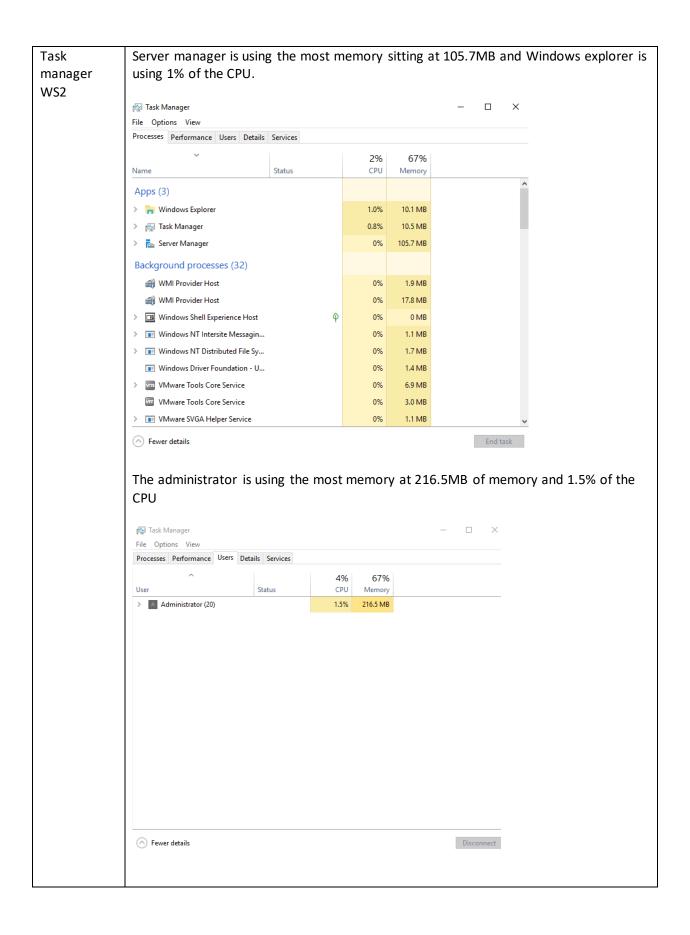


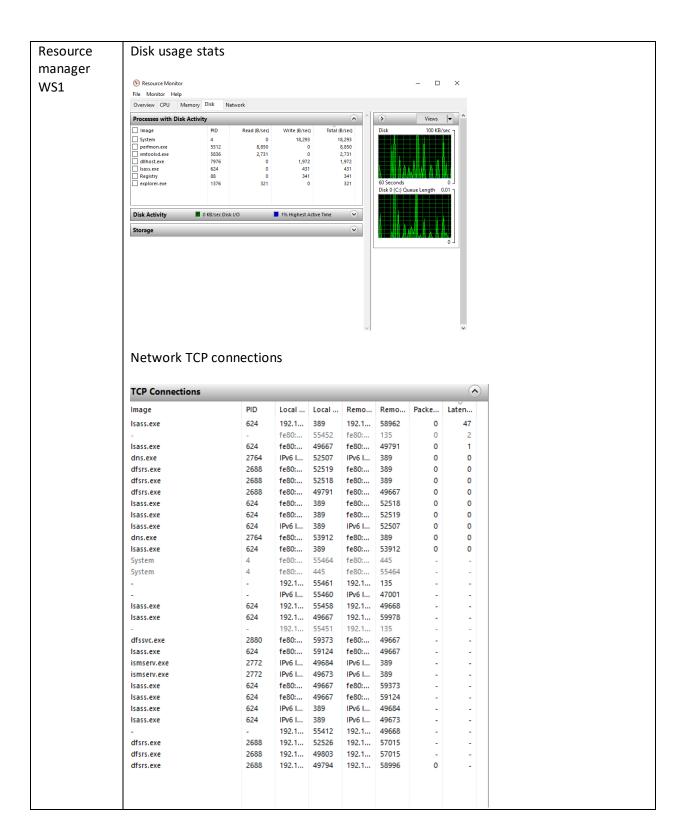
You'll then be able to use the apps we installed earlier.

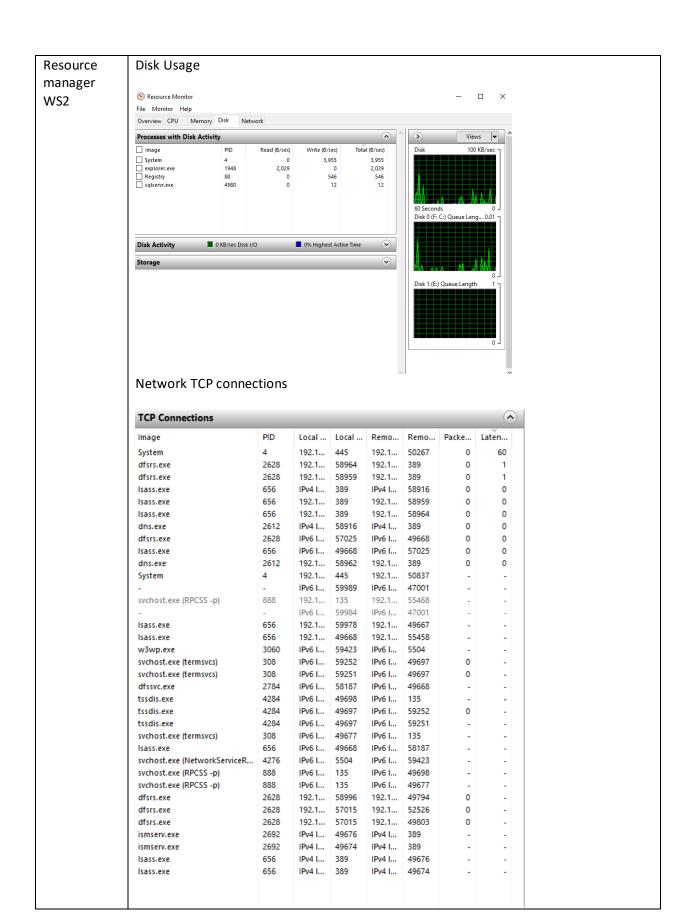


Click on the app you wish to open -> it'll then begin to download in the browser -> click open file once the download is finished -> click connect -> enter your credentials.

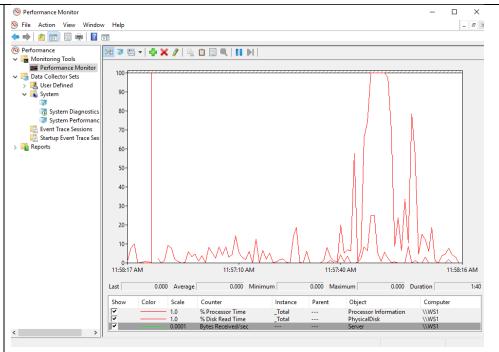






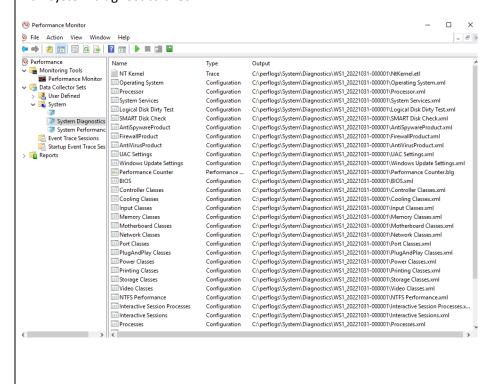


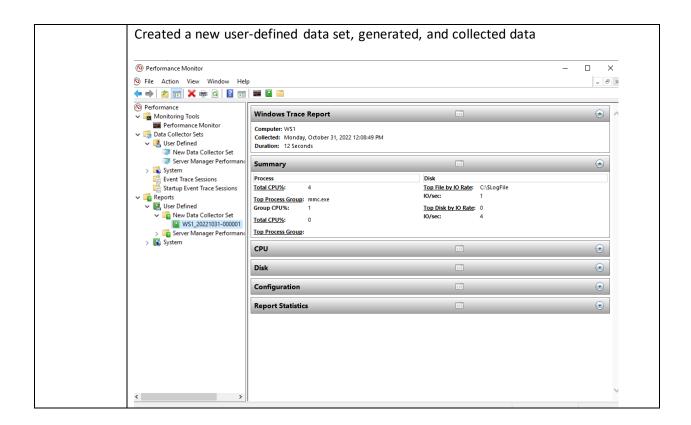




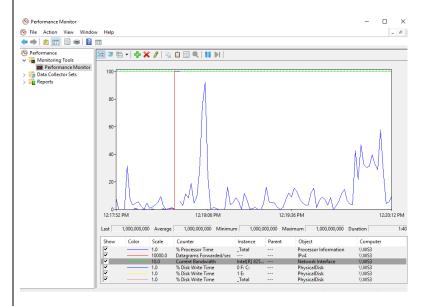
I added Processor time, Disk read time and bytes Received per second, the reason I added these is because I wanted to see how long it would take for my server to process and read information sent/input to it.

Ran system diagnostics check

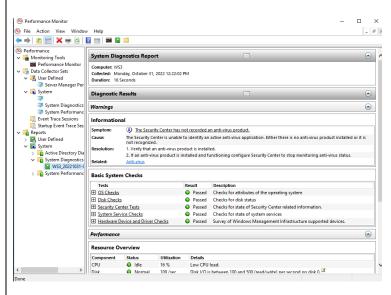




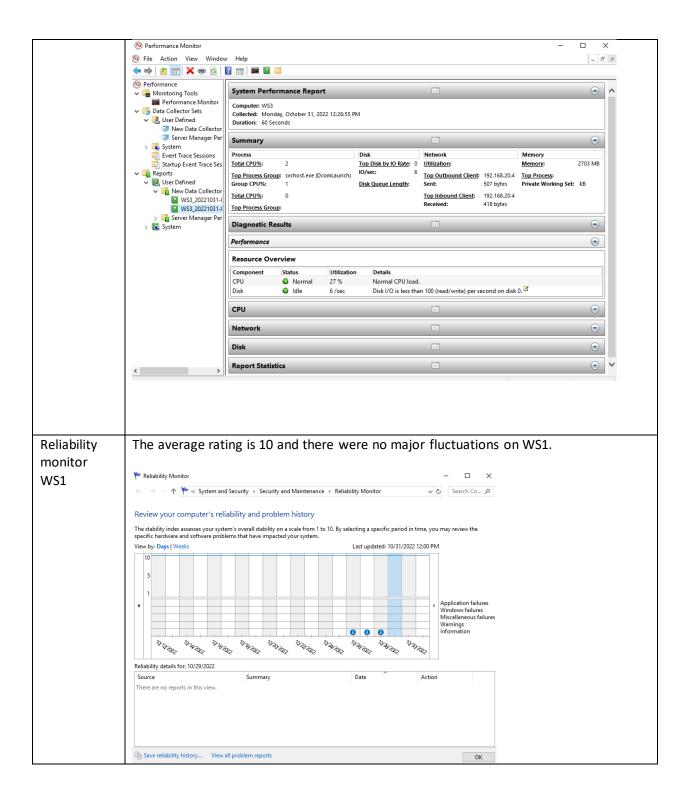
Performance Monitor WS2 I added Current bandwidth as I wanted to see what how much bandwidth was being used, I also added disk write as I wanted to see how fast the disks were writing, and finally I added datagrams for IPv4 as I wanted to see what information it would display.



Systems diagnostics report.



Report for new user defined set





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

2019-installed-m.html

https://www.youtube.com/watch?v=CagTiRYmj58&ab_channel=RobertMcMillen https://www.youtube.com/watch?v=h080znhuj8o https://www.youtube.com/watch?v=olos0TbZfjY

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

https://www.blackice.com/Help/Internet/Print2RDP%20webhelp/WebHelp/How_to_connect_RD_Web_Access_on_the_Client_system.htm
https://www.youtube.com/watch?v=5vcOSAR8m5s&ab_channel=MSFTWebCast_https://learn.microsoft.com/en-us/answers/questions/288664/easy-way-to-create-alerts-in-scom-

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
When I was trying to connect to my remote	My solution this was to first restart my server as I thought that might be the issue, this didn't end
desktop, I couldn't connect to my server.	up working, I then talked to a couple of my classmate that had the same problem and they suggest I try entering a different IP address which fixed my problem.
I had issue where I couldn't connect to my RD web access.	The problem was that I was entering the domain name wrong, my solution was to enter the IP

address of my server instead of the domain name and this seemed to provide a stable connection.