

WORLD SKILLS KAZAN 2019

09 IT Software Solutions for Business

Network Setup Guide



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Introduction:

In this document we will have a brief look at the network setup and how competitors and experts will be able to communicate during the competition.

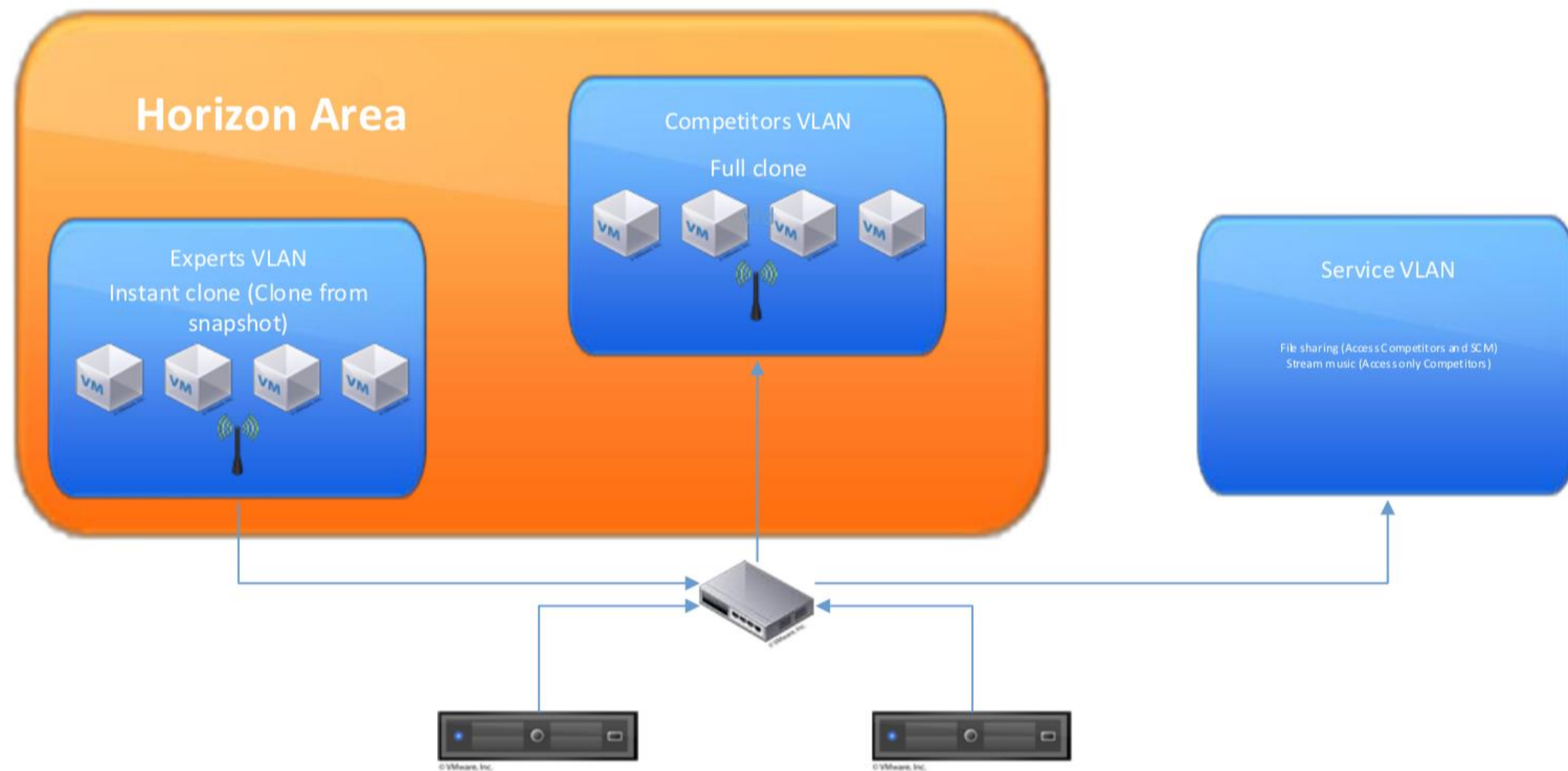
Network Setup:

We have identified two main class of users. The judges who will use their network for assessment and the competitors who would use theirs to complete their deliverables. To handle the workload the network designers have designated 3 VLANs. The following is a short description:

- 1) Isolated VLAN for competitors, which will include: computers of competitors, competitor virtual machines, a deployment server with database (MySQL and MSSQL) and web service hosting running.
- 2) Isolated VLAN for assessment, in which snapshots of the VMs and the main server will be replicated.
- 3) A shared read-only VLAN visible to experts, competitors and SCM with file sharing and music streaming services running.

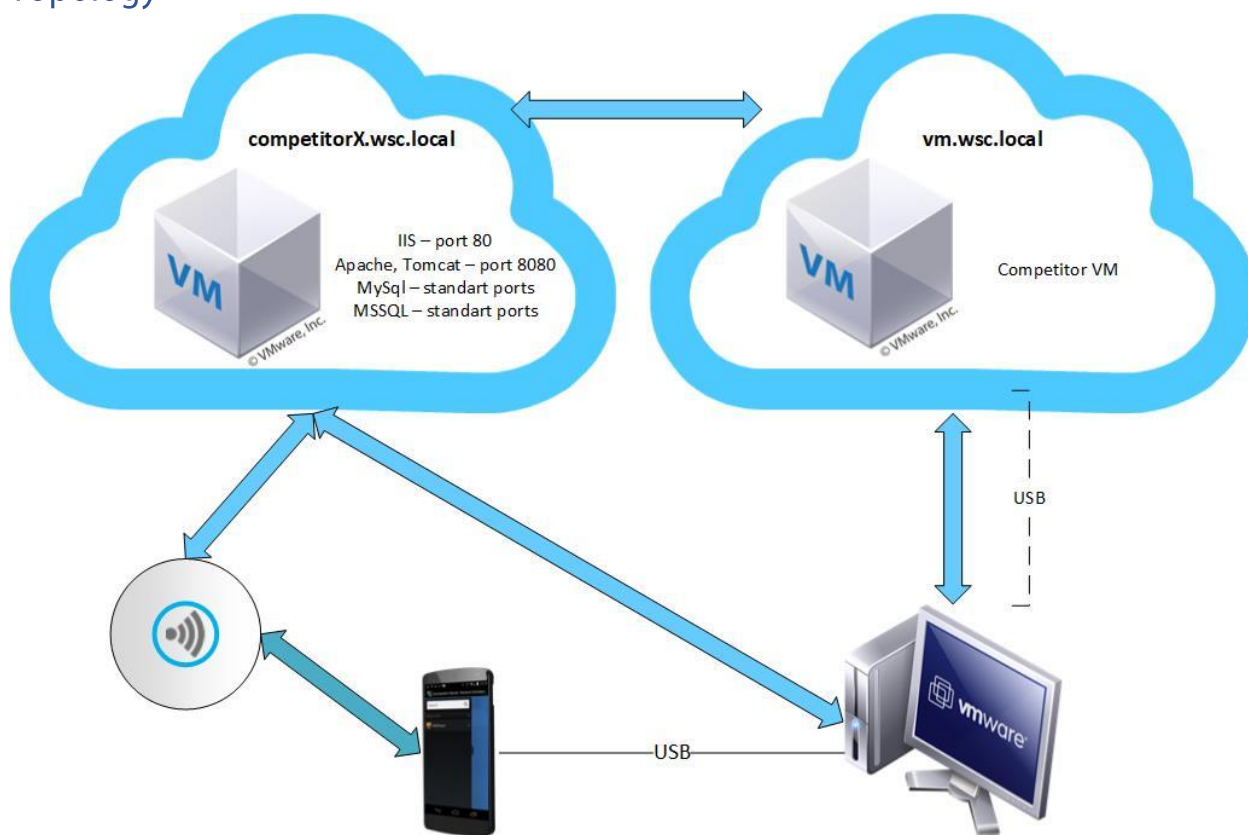
In the next page you will see a diagram that clearly shows how they will work.

Overall Network Topology



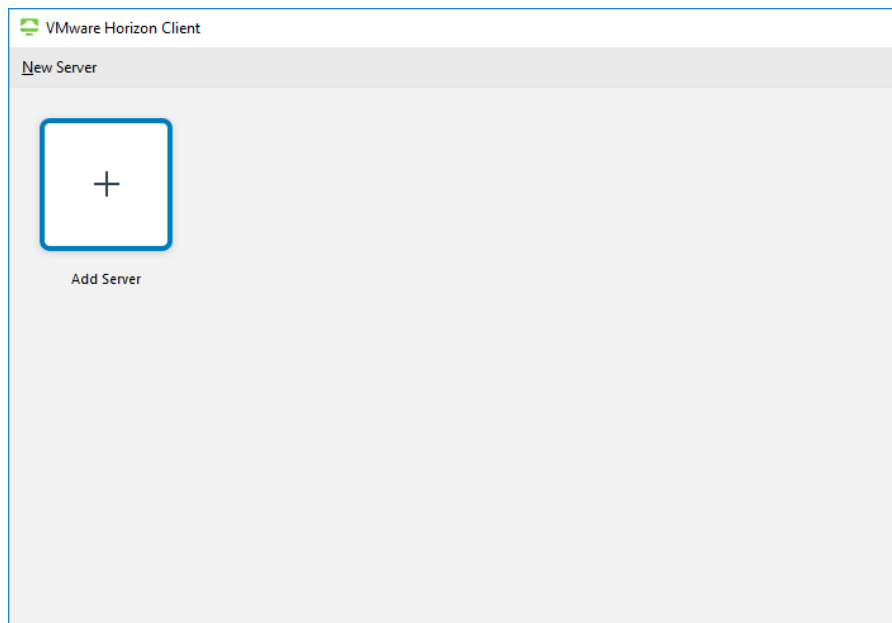
Competitor Guide

Topology

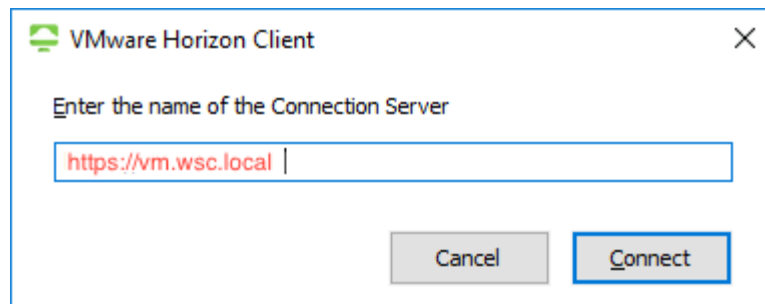


Connection to the VM

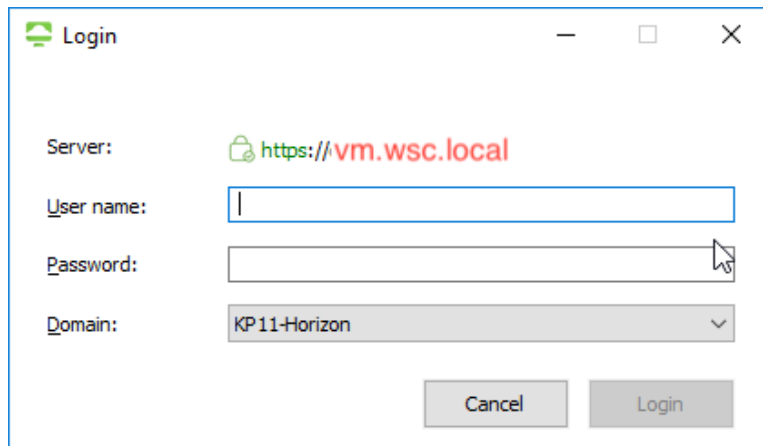
- 1) The competitor needs to start the VMware Horizon client.



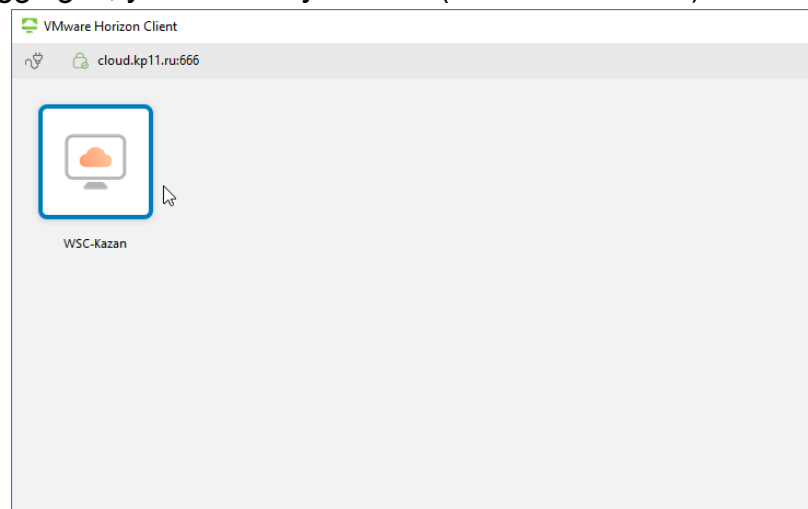
- 2) You will need to add "vm.wsc.local" as your server by clicking the "Add Server" button.



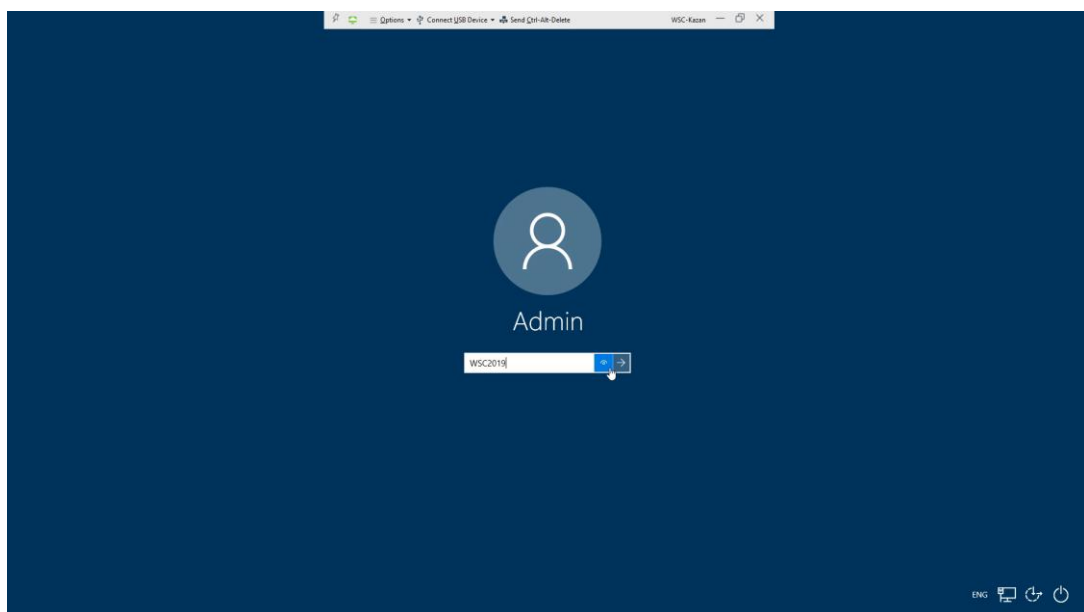
- 3) Enter your credentials:
 - Login: CompetitorX where x is competitor station number.
 - Password: Pa\$\$w0rd, after logging on you are required to change your password.
 - Domain: No need to change anything.



4) After logging in, you will see your VM. (Double click on it)



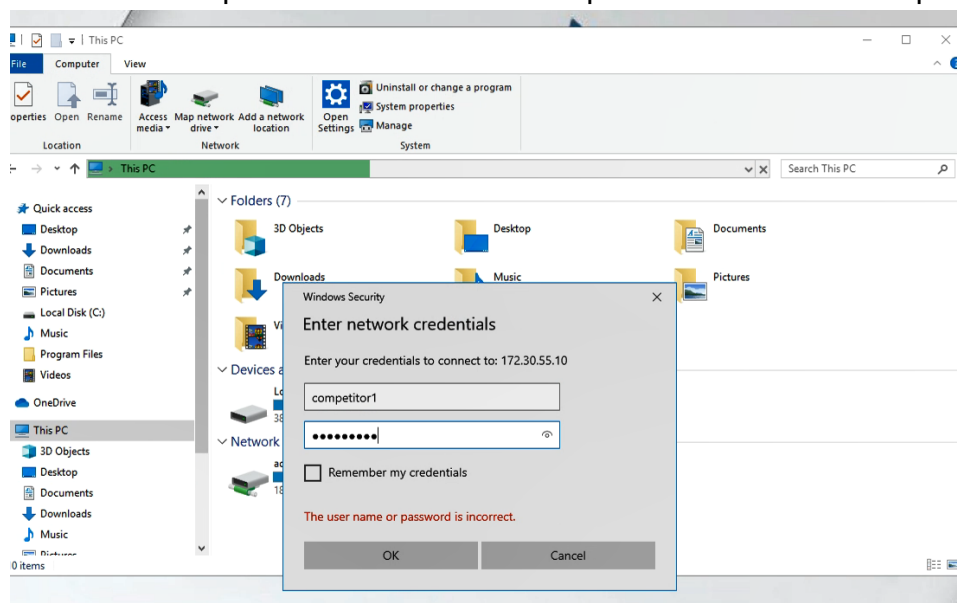
5) Log in to your Windows OS as the local user "Admin" and password "WSC2019"



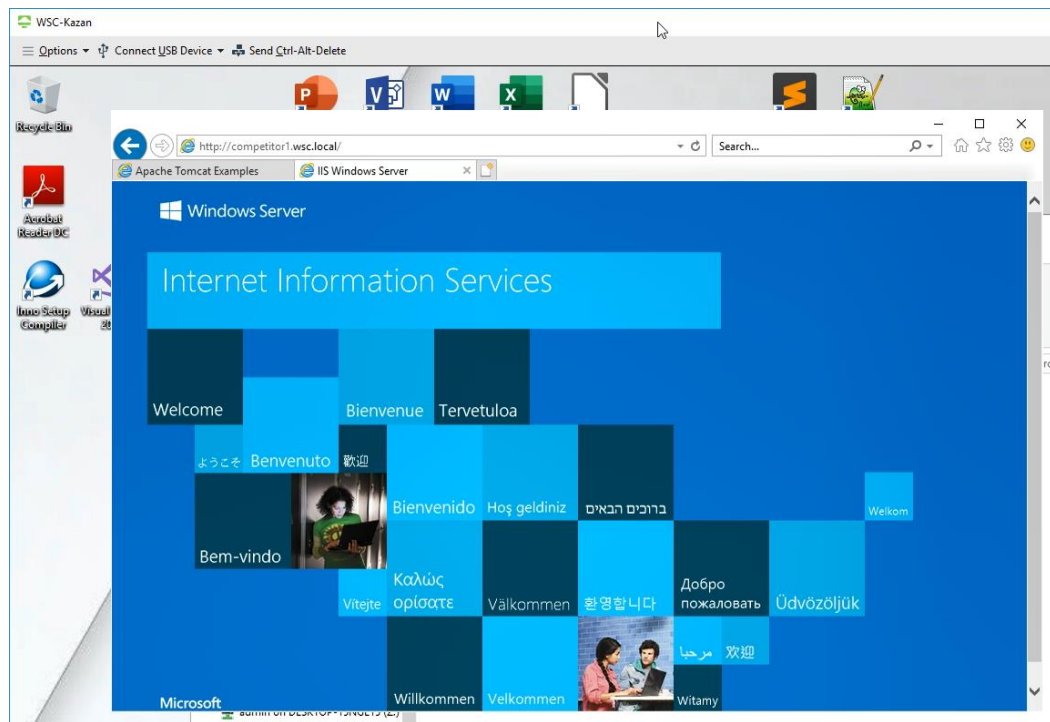
Connection to Central Hosting Services

With some tasks, you will be asked to create web services or otherwise and will need to use a central server to do so. You will need to do this in the VM you are given.

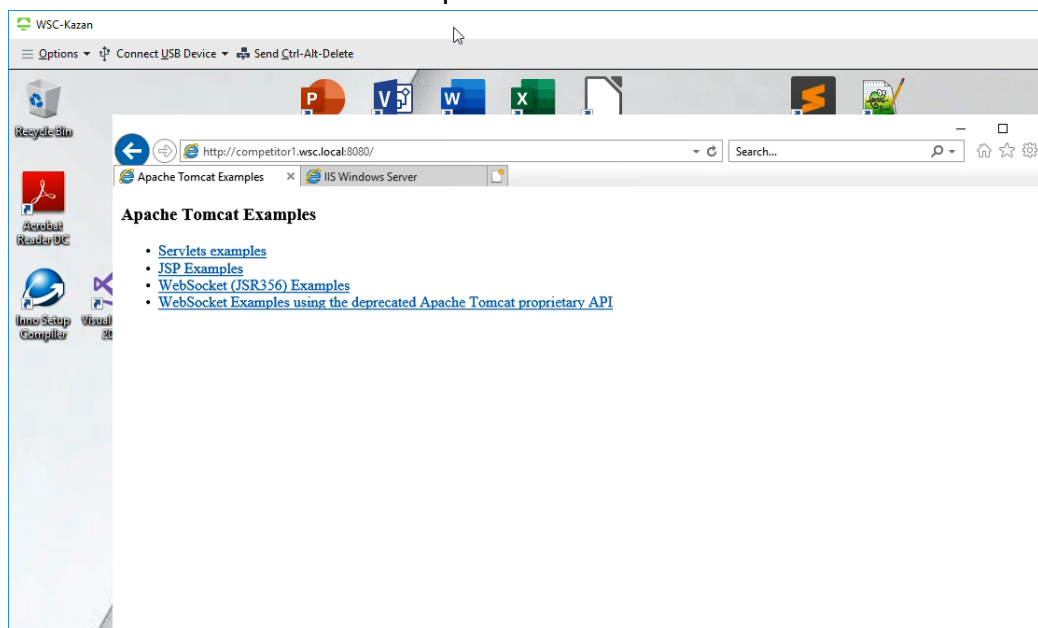
- 1) You need to connect your site folder
- 2) In Explorer in the address bar you need to enter `\\competitorX.wsc.local`. After that, specify the domain credentials (with which you connected to the VM)
 - a. You will see two folders.
 - i. CompetitorX-IIS-site for competitors who will develop on .NET
 - ii. CompetitorX-Java site for competitors who will develop in Java



- 3) Copy the files of your site to the desired folder.
- 4) Connect to the site in a web browser:
 - a. Address for .NET – `competitorX.wsc.local`



b. Address for Java – competitorX.wsc.local:8080



5) To access site management:

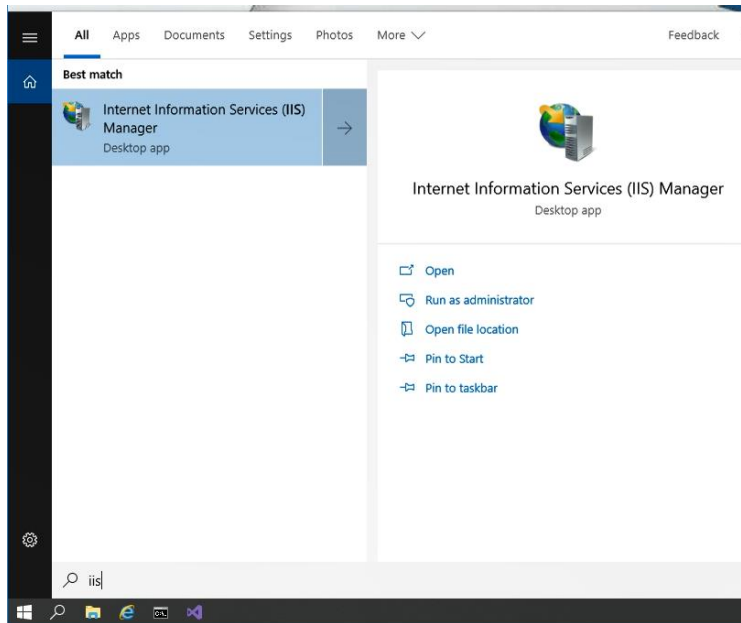
a. For Java:

i. Open this web-site: “http://competitor.wsc.local:8080/admin”

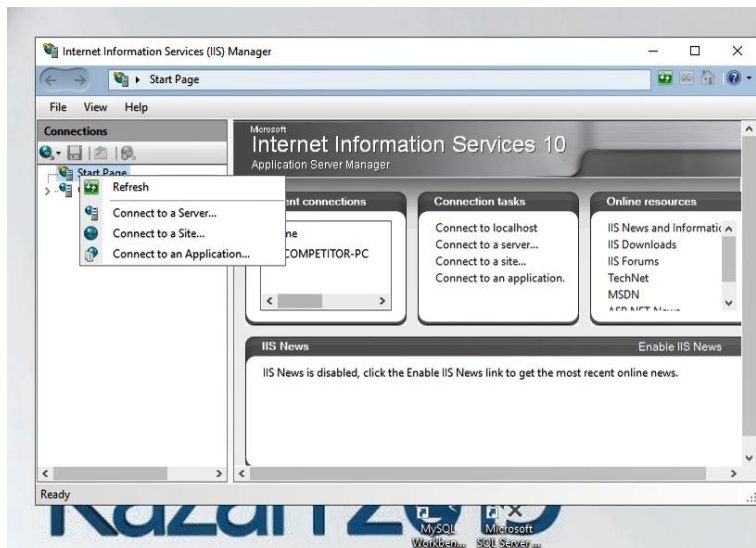
ii. Use the following credentials: User: “competitor”, Password: “PA\$\$w0rd”

b. For .Net:

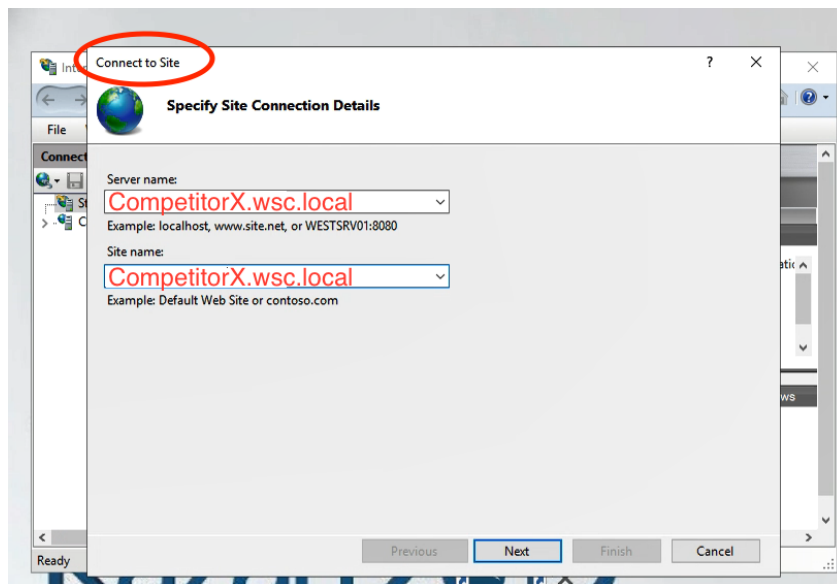
i. Open IIS as shown below:



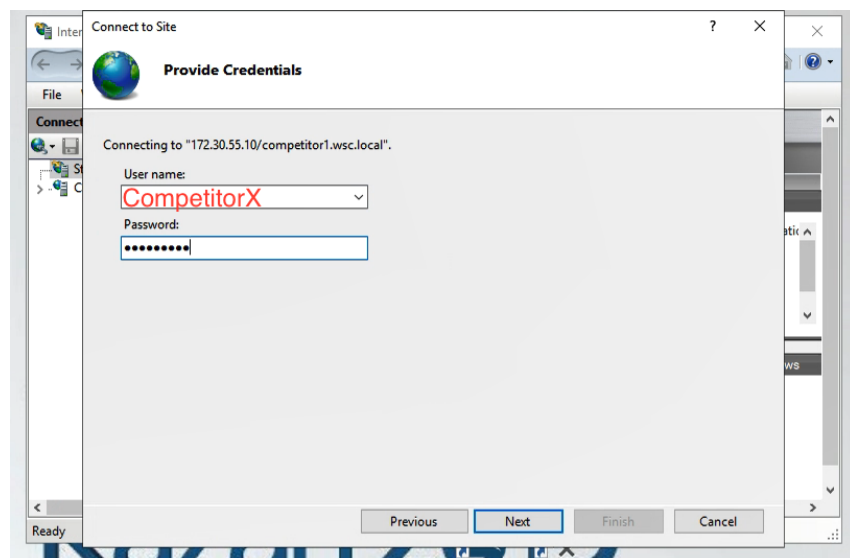
ii. Right click on the Start Pane on the IIS Manager and choose “Connect to a Site ...”



i. You will be asked for server name and you must enter “competitorX.wsc.local” as shown below:

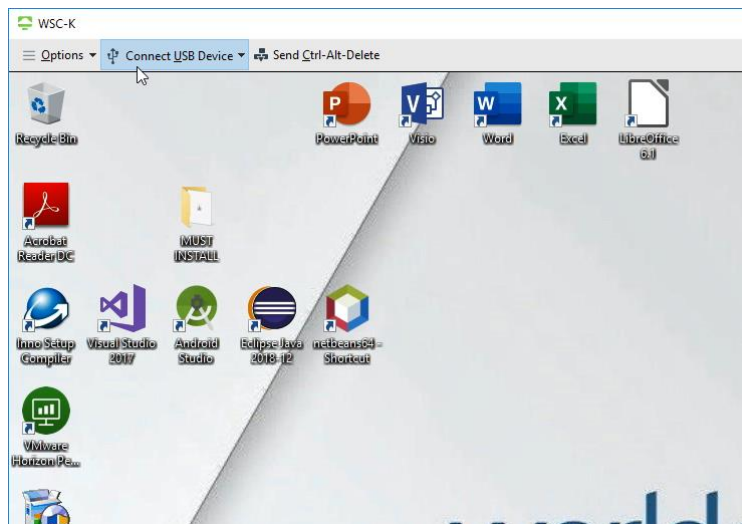


- ii. Once prompted use the same credentials as you would normally use to connect to your VM.

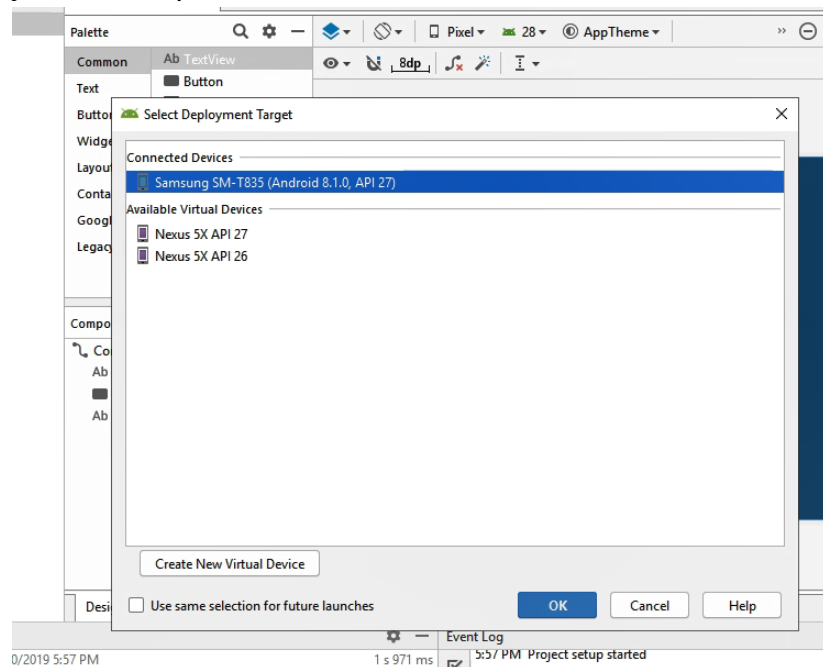


Connection Mobile Device to the VM

- 1) In the VMware Horizon Client's top menu, click "Connect USB device" and select your device or "Auto Connect".

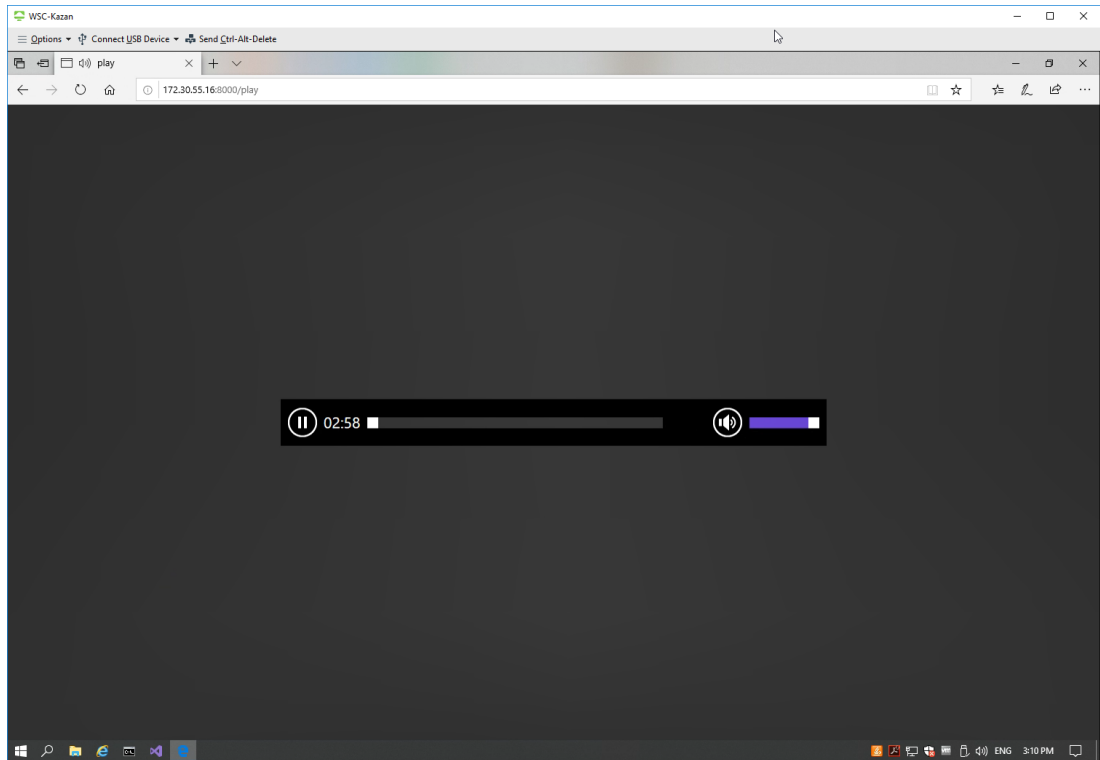


- 2) You will then be able to use the device as if it was physically connected to the machine in your development environment as shown below:



Connection to Radio (Music streaming service)

- 1) Go to the website “radio.wsc.local/CC” where CC is the two letter acronym for your country in **Microsoft Edge**.



Connection to Database server:

There's one central server as shown on the topology running both database servers. Each competitor will use their own credentials to access their databases. Please use the following instructions to connect to the database server.

- 1) Open MySQL Workbench or MSSQL Studio Management
- 2) Use the following server addresses where X is your station number:
 - a. For MySQL: "CompetitorX.wsc.local"
 - b. For MSSQL: "CompetitorX.wsc.local\SQLEXPRESS"
- 3) Enter your user credentials where X is your station number:
 - a. Login - CompetitorX
 - b. Password - Pa\$\$w0rd (you can change password)