

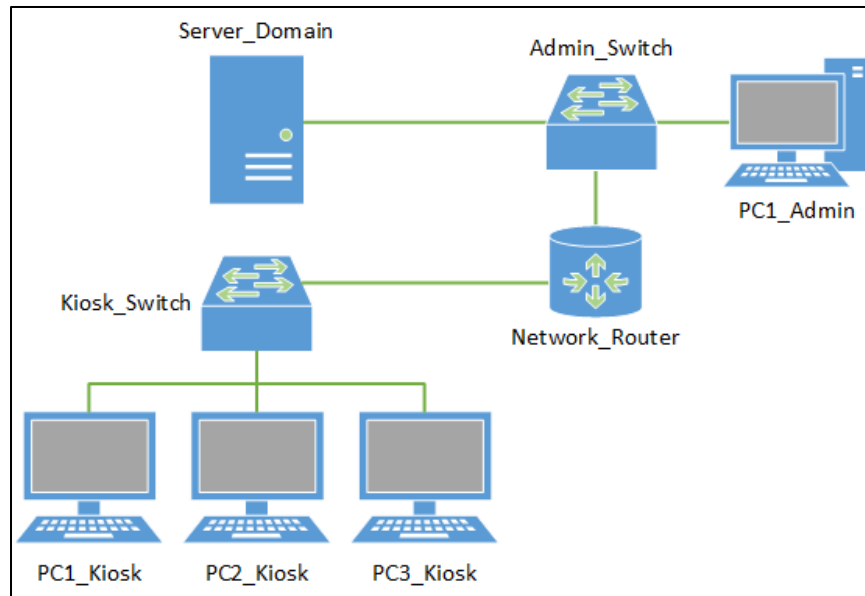
CYB 220 Project One Scenario One

Use the scenario below to address the critical elements outlined in the Project One prompt.

Overview

You work for a small company that is interested in testing new network configurations. Your supervisor has discovered a new software package called GNS3. This software allows you to virtualize network scenarios in a sandbox setting. Your supervisor has provided you with a network diagram, network configuration settings, and settings that need to be done in the group policy editor.

Network Diagram



Network Configuration Settings

Device	Type	Interface	IP Address	Subnet Mask	Switch Port	Gateway
Kiosk_Switch	Switch	GigabitEthernet0/1	n/a	n/a	n/a	n/a
Admin_Switch	Switch	GigabitEthernet0/1	n/a	n/a	n/a	n/a
Network_Router	Router	GigabitEthernet0/0	192.168.1.1	255.255.255.0	2	n/a
		GigabitEthernet0/1	192.168.2.1	255.255.255.0	2	n/a
PC1_Kiosk	Personal computer	FastEthernet0	192.168.1.101	255.255.255.0	10	192.168.1.1
PC2_Kiosk	Personal computer	FastEthernet0	192.168.1.102	255.255.255.0	11	192.168.1.1
PC3_Kiosk	Personal computer	FastEthernet0	192.168.1.103	255.255.255.0	12	192.168.1.1
PC1_Admin	Personal computer	FastEthernet0	192.168.2.100	255.255.255.0	5	192.168.2.1
Server_Domain	Server	FastEthernet0	192.168.2.101	255.255.0.0	1	192.168.2.1

Username and Passwords

Device	Username	Password
Kiosk (Local)	Student	password
Kiosk (Local)	Admin	Passw0rd
Admin_PC	Admin	simple
Server	Server_Admin	simple_server

Group Policy Changes

The group policy editor has many options and settings. To help locate the group policy you need, use the [Windows 10 and Windows Server 2016 Policy Settings](#) spreadsheet.

Group Policy Name	Change Required
Change Windows User Account Control (UAC) prompt.	Set the Interactive logon: Message text for users attempting to log on prompt to “Warning: You are about to do something that is not authorized.”
Change local password policy setting.	Change the minimum password length to 8.
Change desktop background user rights assignment (disable non-admin change capability).	Set Prevent changing desktop background to disabled. Add the comment “You are not authorized to change this setting” to the comment box.
Configure local audit policy setting.	Set Audit logon events to enabled.
Configure default logon banner (warning that requires direct affirmation to continue).	Set Force a specific default lock screen and logon image to enabled, and provide a path to the lock screen image of C:\windows\SNHULogo.jpg.
Change default Windows firewall profile.	Set Windows Defender Firewall Properties\Firewall State to on, and set Inbound connections and Outbound connections to allow.