

Network System Implementation for the Marconi Law Firm, LLC.

Orlando, Florida

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Project Scope

IT & Cybersecurity Solutions wants to build a network for the Marconi Law LLC to meet the company's growth and profitability needs. Marconi Law LLC was founded in 2006 and started with just one administrative assistant. The firm since then has continued to have a steady growth. During the last 10 years Marconi has had to lease two additional office spaces from the same leasing company. Locations of the office spaces were on different floors, making communication, meetings, and decision-making processes a hassle. Standing with a total of 10 employees and growing the Marconi Law LLC has signed a deal for a 4,000 sq/ft building so all its employees will be under one roof and have the extra capacity for its growing business. Marconi Law LLC will move into the new location within five weeks.

IT & Cybersecurity Solutions will create a high-level Local Area Network (LAN) design and provide a network diagram for the Marconi Law LLC new building space. We will assign static IP addresses for the network. IT & Cybersecurity Solutions will perform user account setup, configuration, and testing for the employee user accounts. The process includes creating the user accounts, creating groups for Marconi Law Firm users, creating folders for the users to work in, and establishing appropriate permissions for the groups of users.

IT & Cybersecurity Solutions will provide the hardware and software needed to implement a network that will meet Marconi Law LLC growth and profitability. We will provide 1 Router, 1 Server, and 1 Switch for the Server Room in the new building. A total of 10 laptops and 10 VoIP phones, one for each Marconi Law Firm corresponding employee along with 2 WAP (wireless access points) for extended Wi-Fi availability will be included in the network structure. IT & Cybersecurity Solutions will provide 1 Windows Server 2019 server software and 10 Windows 10 Pro client computer software. Marconi Law office building will get 1 Printer with the ability to print 50 ppm (pages per minute) for its busy environment. The conference room will have 1 Conference Phone, with 1 Smart TV with the ability to share screen from your phone or laptop to the TV. All of these devices will be connected via an ethernet connection (CAT 6) to maximize performability and speed.

IT & Cybersecurity Solutions will not include any peripherals (mice, keyboards, adapters, cables, speakers, mic, etc.) in the network plan. Marconi Law LLC will be responsible on providing a server room for the server . Giving access to only those who need access to it. Marconi Law Firm will provide its own selected ISP (internet service provider). Network cable (CAT 6) and any additional hardware cables not provided by hardware manufacturer will be under Marconi Law LLC responsibility.

Project risks is part of a project constraint it can be from a delay on hardware delivery, among others. A late delivery of a piece of hardware can cost more money because it can extend the completion date of the project. Scope creep can add time to the Marconi Law Firm project if Marconi decides that he wants to add more equipment to the network. Even though this can be discussed with based on priority and communicating with the stakeholder on how this can affect the project. Scalable

Five key success factor that will define the success of the Marconi Law Firm Project is Time, Planning, Communication, Risk Management, and Closure of project. Starting the project on time will give IT & Cybersecurity Solutions the advantage of getting it done in time for Marconi Law LLC move in date. Proper planning will ensure the project will go as smoothly as possible. Communication between key stakeholders can prevent undesirable outcomes, and using formal as well as informal processes of communications can help with the project progression. Having a proper Risk Management plan is crucial for success of the project because it can help if anything goes wrong or delays happen. A strong Closure of project confirming the project delivery, testing, release, and that IT & Cybersecurity Solutions met the client critical success factors.

The longevity of the project will take 5 weeks to complete. This is the time spam that Marconi Law LLC has to move into the new office space. The cost of the project will cost \$50,718.56. This includes hardware, software, labor, and 1yr ongoing network maintenance and support.

Network Objectives/Benefits

- Collaboration – Employees can collaborate on law cases. These documents will be shared rather than duplicated. They will be saved on the hard drive of the server.
- Growth – The setup of the network will allow Marconi Law firm to be able to expand. IT & Cybersecurity Solutions provided the hardware that will allow room for growth in the future without the need for new equipment.
- Security – IT & Cybersecurity Solutions made sure to implement security features throughout the whole network system. We know the importance of privacy and confidentiality, especially with law cases. We implemented a series of permissions and passwords for each users in the network and build a secured network. We added an SSD Raid5 system which allows for data to be backed up to another drive. This way if a drive fails your information will not be lost.
- Dependability – IT & Cybersecurity Solutions provided Marconi Law Firms with top dependable trustworthy hardware in the industry. Brands from Cisco, Lexmark, HP, and Poly, which are widely used in the corporate world for their dependability and are among the best in the business industry.
- Efficiency – We know a lawyer's office is a busy one. We provided Marconi Law Firm with the equipment needed for such speeds. From the backbone (server room) hardware, office rooms hardware, conference room hardware, printer, are all components that are able to run at 1Gbs or higher. Making workflow as efficient as possible.
- Profitability – IT & Cybersecurity Solutions provided the Marconi Law Firm with the hardware capable of creating VM that can be very profitable in the future when is time to expand. We implemented a centralized IT Administration software (Window Server 2019) that enables the IT professional to manage multiple computers at once. Saving time and cost. Providing the Raid system can greatly save money in events of a hard drive failures by eliminating the need of reconstructing a new system to attain loss of information. IT & Cybersecurity Solutions provided a Raid system which enables the hard drive to be hot swappable. This means there is no need to shut down the network in case of a hard drive failure because the hard drive can be swapped with the network on, resulting in continuous productivity and less down time.

IP Network Design Table

-	IP Address	Reserved
Netmask	255.255.255.0	-
First IP	10.10.119.0	10.10.119.0
Last IP	10.10.119.255	10.10.119.255
Total Host	256	-

Node	Hardware Name	Static IP address
1	Marconi Computer	10.10.119.100
2	Jones Computer	10.10.119.101
3	Stark Computer	10.10.119.102
4	Drums Computer	10.10.119.103
5	Shoemaker Computer	10.10.119.104
6	Brooks Computer	10.10.119.105
7	Long Computer	10.10.119.106
8	Adams Computer	10.10.119.107
9	Smith Computer	10.10.119.108
10	Schultz Computer	10.10.119.109
11	Marconi VoIP Phone	10.10.119.200
12	Jones VoIP Phone	10.10.119.201
13	Stark VoIP Phone	10.10.119.202
14	Drums VoIP Phone	10.10.119.203
15	Shoemaker VoIP Phone	10.10.119.204
16	Brooks VoIP Phone	10.10.119.205
17	Long VoIP Phone	10.10.119.206
18	Adams VoIP Phone	10.10.119.207
19	Smith VoIP Phone	10.10.119.208
20	Schultz VoIP Phone	10.10.119.209
21	Router	10.10.119.1
22	Server	10.10.119.12
23	Switch	10.10.119.23
24	WAP 1	10.10.119.33
25	WAP 2	10.10.119.43
26	Printer	10.10.119.53
27	Smart TV	10.10.119.63
28	Conference Phone	10.10.119.73

Network Configuration Process

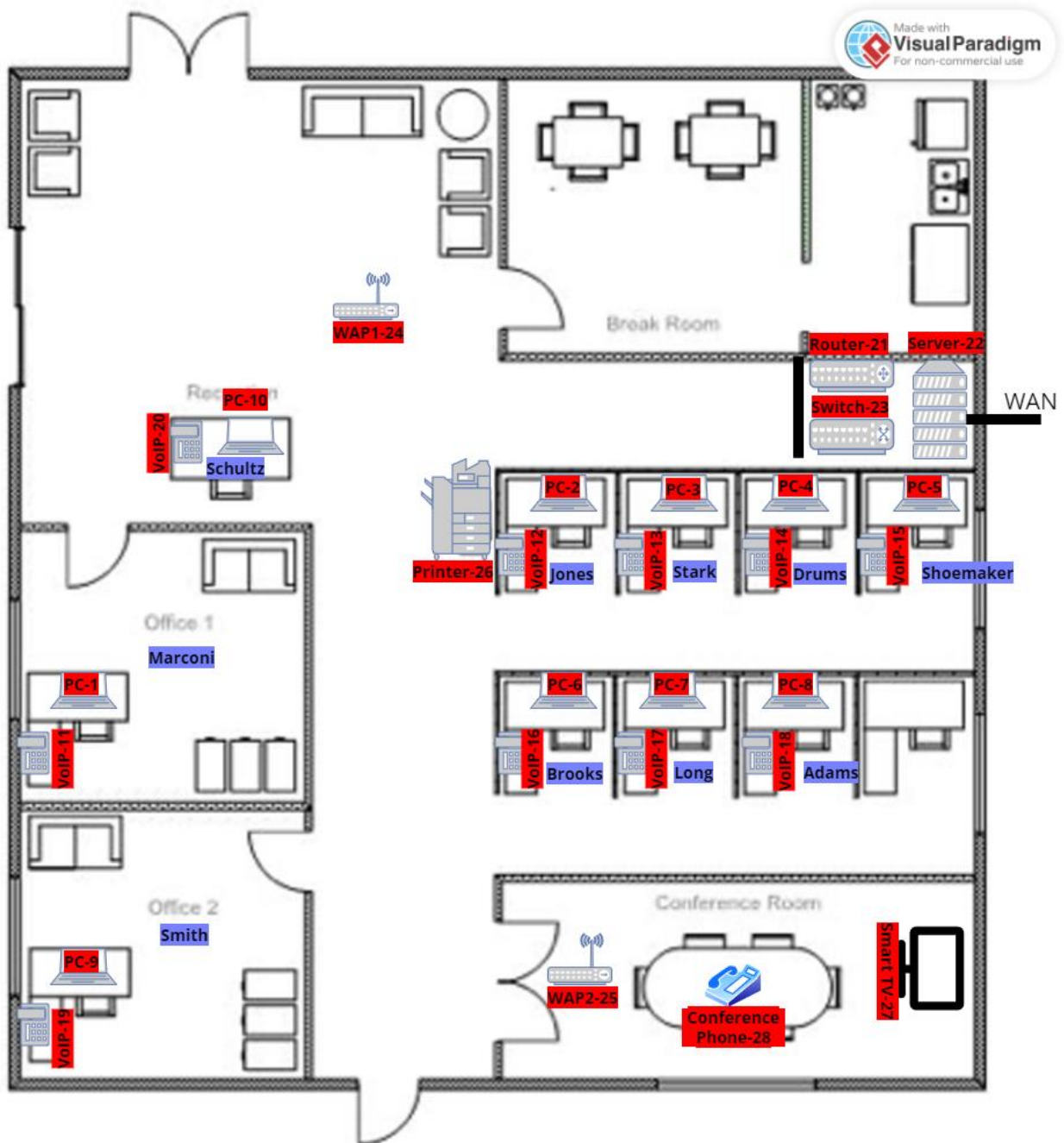
User Accounts	Setup and Configuration Process
Dan Marconi Phil Jones Karen Stark Evelyn Schultz Bill Shoemaker Mike Drums Lisa Brooks Terry Long Samuel Adams Brian Smith	Step 1: Launch Windows Server 2019 VM Step 2: Log into server using admin password Step 3: Open Server Manager by going to Windows Start Menu and click on Server Manager Step 4: Click on Tools and select Computer Management Step 5: Click on Local Users drop down carrot Step 6: Double Click on Users Step 7: Right Click on the white space and select New User Step 8: Type in User a username Step 9: Type in Full name Step 10: Type in description (ex: Accountant) Step 11: Create a Password (make sure you keep passwords documented for each user) Step 12: Uncheck User must change password at next login Step 13: Click on Create (Window will remain open so you can continue creating users) Step 14: Create other Users following steps 8-13 Step 15: Once you done click on close tab
Groups	Setup and Configuration Process
_Attorneys _Accounting _Administrative	Step 1: Launch Windows Server 2019 VM Step 2: Log into server using admin password Step 3: Open Server Manager by going to Windows Start Menu and click on Server Manager Step 4: Click on Tools and select Computer Management Step 5: Click on Local Users drop down carrot Step 6: Double Click on Groups Step 7: Right Click on white space and select New Group Step 8: Type in Group Name with underscore (ex: _Accounting) Step 9: Type in Description (ex: Accounting Group) Step 10: Click on Add and add the member for that group Step 11: Click on Check Name to verify is correct Step 12: Add other members if any to the same box and repeat step 11 Step 13: Once done click on OK tab Step 14: Verify members you added are listed under Members Window Step 15: Click Create Step 16: Verify Group is listed on Groups Window Step 17: Repeat steps 7-16 to create other Groups

Folders and Permissions	Setup and Configuration Process
Attorneys Accounting Administrative	<p><u>Create Folders</u></p> <p>Step 1: Launch File Manager</p> <p>Step 2: Double-click on Local C drive</p> <p>Step 3: Right Click and select New Folder</p> <p>Step 4: Name it Marconi Documents</p> <p>Step 5: Double click on Marconi Documents Folder</p> <p>Step 6: Right Click and select New Folder</p> <p>Step 7: Name it Attorneys</p> <p>Step 8: Repeat Steps 6-7 for creating Accounting and Administrative Folders</p> <p><u>Set Sharing Permissions</u></p> <p>Step 1: Launch Windows Server 2019 VM</p> <p>Step 2: Log into server using admin password</p> <p>Step 3: Open Server Manager by going to Windows Start Menu and click on Server Manager</p> <p>Step 4: Click on Tools and select Computer Management</p> <p>Step 5: Click on Shared Folders drop down carrot</p> <p>Step 6: Click on Shares</p> <p>Step 7: Right Click on white space and select New Share</p> <p>Step 8: On Wizard Windows hit Next> input folder path (if you don't know the path follow step 9) >Click Next > Click Next> Click on Customize Permissions> Click on Custom> Click on Remove tab> Click on Add> Enter Group Name of folder you want to share (ex: _Accounting)> Click Check Names> Click OK tab> On permission Check Allow box for "Changes" (make sure Read and Change boxes are checked)> Click OK tab> Click Finish> Check Run Wizard again box to create other Shared Path Folders, otherwise Click Finish.</p> <p>Step 9: In folder path section click on browse tab> search for local disk:c> click on local disk:c carrot> click on Marconi Documents carrot> Click on folder and Click on Ok tab</p>

User Logins and Passwords

Employee Name	Employee Title	Login ID	Password
Dan Marconi	President/Attorney	dmarconi	Fullsail1!
Phil Jones	Attorney	pjones	Fullsail1!
Karen Stark	Attorney	kstark	Fullsail1!
Evelyn Schultz	Administrative Assistant	eschultz	Fullsail1!
Bill Shoemaker	Attorney	Bshoemaker	Fullsail1!
Mike Drums	Attorney	mdrums	Fullsail1!
Lisa Brooks	Attorney	lbrooks	Fullsail1!
Terry Long	Attorney	tlong	Fullsail1!
Samuel Adams	Attorney	sadams	Fullsail1!
Brian Smith	Accountant	bsmith	Fullsail1!

Network Topology Diagram with Employee Names and Node Numbers



Capital and Operating Costs

Hardware and Software	Per Unit Cost	Quantity	Total Cost
Laptops	\$1,137.99	10	\$11,379.9
Router	\$5,629.99	1	\$5,629.99
Server	\$2,749.99	1	\$2,749.99
Switch	\$1,451.96	1	\$1,451.96
Server Hard Drives	\$383.99	3	\$1,151.97
VoIP Phones/Cisco	\$373.99	10	\$3,739.90
Conference Phone/Poly	\$899.00	1	\$899.00
WAPs	\$367.99	2	\$735.98
Printer	\$3,875.99	1	\$3875.99
Smart TV	\$1,299.99	1	\$1,299.99
Windows Server 2019	\$803.99	1	\$803.99
Windows 10 Pro	\$199.99	10	\$1,999.90
Labor (@ \$75/hour)	\$75	40 hrs	\$3,000
Annual ongoing network maintenance and support	\$12,000	1 yr	\$12,000
GRAND TOTAL	-	-	\$50,718.56

Hardware and Software Specification Tables

Laptops

Brand/Manufacturer	HP/HP Inc.
Product Line	ProBook
Model	
Processor/Clock Speed	Intel Core i5 1135G7/2.4 GHz
Memory/Speed	16GB
Hard Drive/Capacity	512GB
Embedded Security	HP Wolf Pro Security
Display/Size/Resolution	14" 1920 x 1080 (Full HD)
Networking	Gigabit Ethernet
Operating System	Windows
Cache	32GB SSD
OS	Windows 10 Pro
Page URL	<u>HP ProBook 440 G8 Notebook - Wolf Pro Security - 14" - Core i5 1135G7 - 16 GB RAM - 512 GB SSD - US - with HP Wolf Pro - 4J208UT#ABA - Laptops - CDW.com</u>

Server

Brand/Manufacturer	HPE
Product Line	HPE ProLiant
Model	DL20 Gen10 Plus Performance
Hard Drive/Capacity	SSD/6
Chassis	1.70 x 17.11 x 15.05 in
Processor	Intel/Xeon
Memory/Speed	16GB/3200 megahertz
Storage Controller	RAID
Monitor	None
Ethernet	2 x Gigabit Ethernet
Operating System	Window Server
Networking	LAN
Expansion Bays	4 (total) / 4 (free) x hot-swap 2.5" SFF
Expansion Slots	1 (total) / 1 (free) x PCIe 4.0 x16 - half-length, full-height (x8 mode), 1 (total) / 1 (free) x PCIe 4.0 x8 (low-profile)
Page URL	<u>HPE ProLiant DL20 Gen10 Plus Performance - rack- mountable - Xeon E-2314 2.8 GHz - 16 GB - no HDD - P44114-B21 - Rack Servers - CDW.com</u>

Server Hard Drives

Brand/Manufacturer	HPE/ Hewlett Packard Enterprise
Product Line	HPE
Storage Type	Hard Drive
Hard Drive Type	SATA
Form Factor	2.5"
Interface	ATA-600
Capacity	1 TB
Data Transfer Rate (DTR)	600 Mb
Page URL	<u>HPE Business Critical - hard drive - 1 TB - SATA 6Gb/s - P28610-B21 - Internal Hard Drives - CDW.com</u>

Router

Brand/Manufacturer	Cisco/Cisco Systems
Product Line	Cisco Integrated Services Router
Model	4331
RAM	4 GB
Flash Memory	4 GB
WAN Ports Qty	3
Integrated Switch	
Data Link Protocol	Ethernet, Fast Ethernet, Gigabit Ethernet
Network/Transfer Protocol	
Page URL	<u>Cisco Integrated Services Router 4331 - Voice Security Bundle - router - rack-mountable - ISR4331-VSEC/K9 - Security Routers - CDW.com</u>

Switch

Brand/Manufacturer	SonicWALL
Product Line	SonicWall Switch
Model	SWS14-48FPOE
RAM	512 megabyte
Flash Memory	128 megabyte
Performance	Switching capacity: 176 Gbps
Capacity	Virtual interfaces (VLANs): 4096
Ports Qty*	52
Page URL	<u>SonicWall Switch SWS14-48FPOE - switch - 52 ports - managed - rack-mountable - 02-SSC-2466 - Ethernet Switches - CDW.com</u>

Printer

Brand/Manufacturer	Lexmark/Lexmark
Product Line	Lexmark
Model	CX820de
Duty Capacity	200,000 pages
Printing Output Type	Color
Chassis	30x22x23.1”
Processor	
RAM	2 GB
Hard Drive	
Printing System	Laser
Networking	Gigabit LAN, USB 2.0, USB host
Connectivity	Yes
Page URL	<u>Lexmark CX820de - multifunction printer - color - 42K0010 - All-in-One Printers - CDW.com</u>

Wireless Access Points (WAPs)

Brand/Manufacturer	ZyXEL/Zyxel USA
Product Line	Zyxel
Model	WAX640S-6E
Antenna	Internal
Chassis	1.9x10.6x5.9”
Capacity	Spatial streams: 8
Networking	2.4 GHz, 5 GHz, 6 GHz
Interface	1 x 1/2.5GBase-T (PoE++) - RJ-45, 1 x 1000Base-T (uplink) - RJ-45
Power	PoE++
Page URL	<u>Zyxel WAX640S-6E - wireless access point - 802.11a/b/g/n/ac/ax (Wi-Fi 6E) - cloud-managed - WAX640S-6E - Wireless Routers - CDW.com</u>

Smart TV

Brand/Manufacturer	Samsung/Samsung
Model	QN65Q70CAF
Series	Q70C Series
Video Interface	HDMI
HDMI Ports Qty	4
Diagonal Size	65"
Resolution	3840 x 2160
Display Format	4K UHD (2160p)
Viewing Angle	64.5"
Digital Audio Format	Dolby Digital output
Output Power	20 watt
Speaker System	2 channel
USB Ports Qty	2
Wi-Fi Protocol	802.11ac
Page URL	<u>Samsung QN65Q70CAF Q70C Series - 65" Class (64.5" viewable) LED-backlit LCD TV - QLED - 4K - QN65Q70CAFXZA - TVs - CDW.com</u>

Conference Phone

Brand/Manufacturer	Poly/ Polycom Telephony
Product Line	Poly RealPresence Trio
Model	8800
Type	LCD display
Dialer Locations	Base
Call Services	Call Forwarding, Call Hold, Call Transfer, Call Waiting
Speakerphone	Console Microphone Reception Area 20ft
Features	Multi-touch, Touch screen, IEEE 802.1X, TLS, WEP, WPA, WPA2, Acoustic Clarity Technology, Echo cancellation, Call timer
Phone connections	USB / 4 pin USB Type A, USB / 5 pin Micro-USB Type B
Page URL	<u>Poly RealPresence Trio 8800 - conference VoIP phone - with Bluetooth interface - 5-way call capability - 2200-66070-001 - Conference & Speaker Phones - CDW.com</u>

Server Software

Brand/Manufacturer	Microsoft
Product Line	Microsoft Windows
Version	2019
Licensing	Retail
Page URL	<u>Microsoft Windows Server 2019 Standard - license - 16 cores - P73-07788 - Network Operating Systems - CDW.com</u>

Client Software

Brand/Manufacturer	Microsoft
Product Line	Microsoft Get Genuine Kit
Version	10
Licensing	Retail
Page URL	<u>Microsoft Get Genuine Kit for Windows 10 Pro - license - 1 PC - 4YR-00287 - Windows - CDW.com</u>

VoIP Phones

Brand/Manufacturer	Cisco
Product Line	Cisco IP Phone
Model	8811
Type	LCD display
Conference Call Capability	Yes/Multiple Conferencing
Call Services	Call Forwarding, Call Hold, Call Transfer, Call Waiting, Caller ID, Message Waiting Capability, Voice Mail
Speakerphone	Yes
Additional Functions	Call timer, Intercom
Features	Integrated Ethernet switch, Multiple VoIP protocol support, Security, Speakerphone
VoIP Protocols	RTCP, RTP, SDP, SIP, SRTP
IP Address Assignment	Yes
Voice Codecs	G.711a, G.711u, G.722, G.729a, iLBC, iSAC
Quality of Service	IEEE 802.1p, IEEE 802.1Q (VLAN)
IP Address Assignment	Yes
Network Protocols	Cisco Discovery Protocol (CDP), DNS, HTTP, HTTPS, IP, Link Layer Discovery Protocol - Media Endpoint Discovery (LLDP-MED), RTCP, RTP, SRTP, TFTP, UDP
PoE Support	Yes
Voice Features	No
Page URL	<u>Cisco IP Phone 8811 - VoIP phone - CP-8811-K9= - VoIP Phones - CDW.com</u>

Timesheets

Milestone	Activity Description (be descriptive)	Start Time	End Time	Total Activity Time	Activity Date
Milestone 1	Read the Marconi Law Business study case.	3:00pm	3:15pm	15min	06-01-2023
Milestone 1	Created a rough physical topology based on the given information on the Marconi Project using Visual Paradigm.	3:15pm	3:45pm	30min	06-01-2023
Milestone 1	I researched prices and specifications on all the hardware needed for the Marconi Project. This consisted of the server, laptops (PC and Monitors would cost more so I decided on laptops to extend the budget on other upgradable hardware), router, WAP, VoIP phones, conference phone, switch, printer, smart tv, Windows server, Windows 10 pro, and server hard drives.	12:00pm	7:30pm	7.5hrs	06-04-2023
Milestone 1	Inputting prices for hardware and software on the above tables.	7:30pm	8:00pm	30min	06-04-2023
Milestone 2	Implemented a basic server setup and configurations with multiple OS and troubleshoot any issues	5:45pm	6:00pm	15min	06-08-2023
Milestone 2	Determined Network objectives	9:20am	10:43am	1hr/23min	06-11-2023
Milestone 2	wrote the Marconi project scope	10:43am	1:00pm	2hrs/17min	06-11-2023
Milestone 2	Established static IP addresses for the proposal LAN	9:00am	9:20am	20min	06-11-2023

Milestone 2	Physical layer diagram with hardware labeled and the LAN overlay.	1:15pm	1:45pm	30min	06-11-2023
Milestone 3	Created user accounts, created groups for employee users, created folders for the users to work in, and established appropriate permissions for the groups of users and documenting users and passwords in documents.	8:30pm	9:00pm	30min	06-15-2023
Milestone 3	Performed user account setup, configuration, and testing for the employee user accounts.	9:00pm	9:15pm	15min	06-15-2023
Milestone 3	I finalize the project report by documenting the entire setup process.	3:00pm	4:30pm	1.5hrs	06-19-2023
Milestone 4	Completely formatted my project report in a professional manner for delivery to my client.	2:30pm	3:30pm	1hr	06-25-23
Milestone 4	Created a pitch presentation to demonstrate the knowledge and skills learned and promoted my project.	12:00pm 10:00am	5:30pm 2:30pm	5.5hrs 4.5hrs	06-24-23 06-25-23
Milestone 4					
TOTAL HOURS				28hrs	

Status Reports

Accomplished this week

Milestone 1: I reviewed the Marconi Law Business case study and it's company requirements for the bidding project.
Milestone 1: I created a LAN design for the Marconi Project.
Milestone 1: I researched prices, and specs for hardware and software needed to meet the Marconi project needs and provided all the information on the appropriate data tables.
Milestone 2: Implemented a basic server setup and configurations with multiple OS and troubleshoot any issues.
Milestone 2: : Determined Network objectives for the Marconi Law Firm project and wrote the Marconi project scope.
Milestone 2: Established static IP addresses for the proposal LAN and finish the physical layer diagram with hardware labeled and the LAN overlay.
Milestone 3: I performed user account setup, configuration, and testing for the employee user accounts.
Milestone 3: I created user accounts, created groups for employee users, created folders for the users to work in, and established appropriate permissions for the groups of users.
Milestone 3: I finalize the project report by documenting the entire setup process.
Milestone 4: Completely formatted my project report in a professional manner for delivery to my client.
Milestone 4: Completed a fully functional LAN that my client would be satisfied to have in his business.
Milestone 4: Created a pitch presentation to demonstrate the knowledge and skills learned and promoted my project.

Planned for next week

Coming up for milestone 2: Implement a basic server setup and configurations with multiple OS and troubleshoot any issues.
Coming up for milestone 2: I will determine Network objectives and write up the Marconi project scope.
Coming up for milestone 2: Establish static IP addresses for the proposal LAN and finish the physical layer diagram with hardware labeled and the LAN overlay.
Coming up for milestone 3: I will perform user account setup, configuration, and testing for the employee user accounts.
Coming up for milestone 3: I will create user accounts, creating groups for employee users, creating folders for the users to work in, and establishing appropriate permissions for the groups of users.
Coming up for milestone 3: I will finalize the project report by documenting the entire setup process.
Coming up for milestone 4: I will format my completed project report in a professional manner for delivery to my client.
Coming up for milestone 4: I will have a fully functional LAN that my client would be satisfied to have in his business.
Coming up for milestone 4: I will create a pitch presentation to demonstrate the knowledge and skills learned and promote my project.

Comments for each milestone

Milestone 1:

What problems did you run into? The only problem I had was the overwhelming amount of products that were available. Choosing which one to choose was a task on its own. How did you fix them? I researched a bit online to find out reputable brands in the business world. Doing this gave me the ability to trim the majority out. Is there anything that you did not complete that you now have to push off into the next milestone? No. Any other comments? I was a bit confused on what you meant by Networking on the tables for the products.

Milestone 2:

What problems did you run into? Milestone 2 was pretty straight forward. I didn't have any issues, besides Window10 Pro being really slow with updates on the VM. How did you fix them? I'm still waiting for it to do its thing. If update problem persist, I might have to create the VM again, but as of now is not affecting anything that I have to work on. Is there anything that you did not complete that you now have to push off into the next milestone? I was able to complete all the milestones and week 2 assignments with no problems. Any other comments? The calculator for the IP address generator is a great website. I put it in my favorites in my PC.

Milestone 3:

What problems did you run into? I did not have any problems in creating folders, sharing, and grouping users in week 3 of the project. I followed every step shown in the live lesson that greatly helped me accomplish the goal. How did you fix them? I did not encounter problems, but I did manage to update my VM's. This was an issue that I had in milestone 2. The problem laid on connection between the VM and the server. Guessed it had to do with how badly it was lagging. Is there anything that you did not complete that you now have to push off into the next milestone? No, I was able to complete everything that was asked for in week 3. Any other comments? It was great to finally be able to make an actual business setup. Looking forward to week 4 of the project.

Milestone 4:

What problems did you run into? The only hiccup was how to get the PowerPoint to my DaVinci editing program. How did you fix them? I looked it up on google on how to fix the issue. Is there anything that you did not complete that you now have to push off into the next milestone? I successfully completed all my tasks. Any other comments? Yes, I like to add that this been a great experience for me, and one that I will utilize in my future.