

Regional Occupational Program
Information Technology Career Pathway
Maywood Academy High School 6125 Pine Avenue Maywood, CA. 90270

Computer Networking 1
Network Proposal
3D Hologram Design

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Excalibur+ Corp.

We are a global leader in distributed enterprise networks that securely connect local and remote users to corporate IT resources. Our award-winning portfolio of campus, branch office, teleworker, and mobile solutions simplify operations and provide secure access to all corporate applications and services — regardless of a user’s device, location, or network. The result is improved productivity and lower capital and operating costs. Our product portfolio encompasses: industry-leading high-speed 802.11a/b/g/n wireless local area networks (“WLANs”); Virtual Branching Networking solutions for branch offices and teleworkers; and network operations tools — including spectrum analyzers, wireless intrusion prevention systems, and the Air Wave Wireless Management Suite — for managing wired, wireless, and mobile device networks.

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Floor Plan

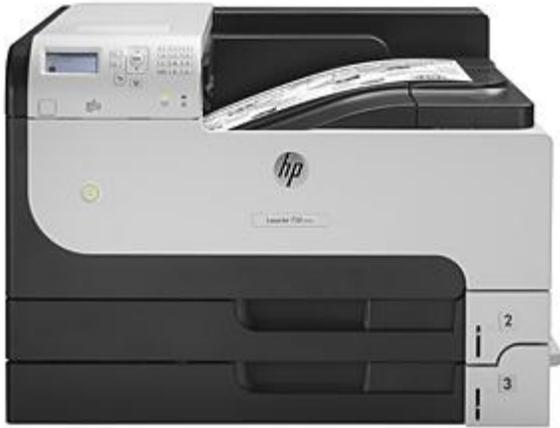
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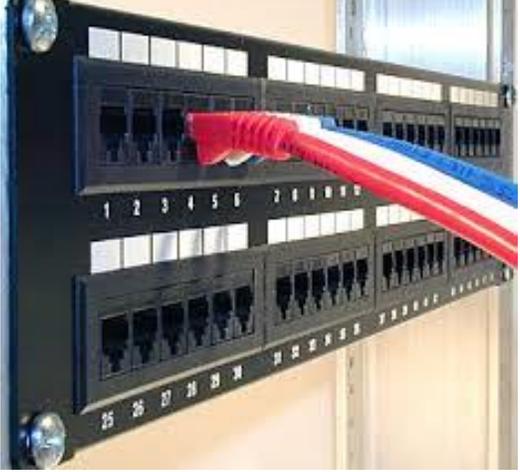
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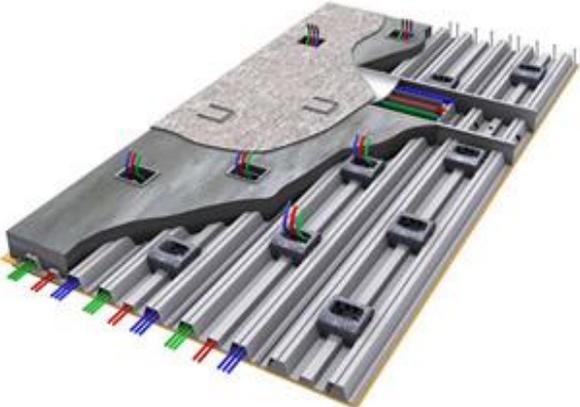
Parts List

	Workstations	1,200
	Server	100
	Laptops	300

 An HP LaserJet printer, model 290, shown in a three-quarter view. It is a large, black and grey device with a control panel on the top left and two paper trays on the bottom right, labeled '2' and '3'. The HP logo is visible on the front panel.	Printer	290
 A Cisco network switch, model 200, shown in a three-quarter view. It is a black, rectangular device with a front panel featuring a series of ports, including Ethernet ports and a console port. The Cisco logo is visible on the top left.	Network Switch	200
 A Cisco enterprise router, model 150, shown in a three-quarter view. It is a black, rack-mountable device with a front panel featuring a series of ports and a control panel. The Cisco logo is visible on the top left.	Enterprise Router	150

 A black, rectangular enterprise access point with two antennas and a front panel with ports and a power button. The brand name 'niveon' is visible on the front.	Enterprise Access Point	200
 A black, rectangular horizontal cable tray with multiple slots for organizing cables.	Horizontal Cable	60
 A metal modular jack connector with a black plastic insert and a metal shield.	Modular Jack	2.00

	Patch Cables	60
	Tele. Outlet	30
	Patch Panel	300

	<p>Raceway</p>	<p>10</p>
	<p>Equipment Rack</p>	<p>200</p>
	<p>Cabling Rack</p>	<p>500</p>

Price List

#	Description	Unit Price	Quantity	Total Price
1	Workstation	1.200	60	72000
2	Server	100	4	400
3	Laptops	300	100	12000
4	Color Jet Printer	290	20	5800
5	Network Switch	200	20	4000
6	Modular Jack	2.00	100	200
7	Patch Cables	60	200	12000
8	Patch Panel	300	10	3000
9	Raceway	10	800	8000
10	Equipment Rack	200	4	800
11	Cabling Rack	500	2	1000
12	Cable Tie & Fastener	2.00	200	400
13	Telec. Outlet	30	100	3000
14	Enterprise Router	150	2	300
15	Enterprise Access Point	200	4	800
16	Horizontal Cable	60	5	300
Subtotal				59.200

Data Access

The year 1999 was pivotal for Excalibur+ Corp. Until then, a case could be made that Excalibur+ Corp. would continue to play a role, albeit a niche role, in the local and campus networks of some large enterprises. However, in 1999 several occurrences sealed the fate of Excalibur, which has succumbed to the market economies of scale and critical mass of Ethernet-based technologies, including switched Ethernet, Fast Ethernet, Gigabit Ethernet, and the emerging 10-Gbps Ethernet. Organizations that put off plans to migrate to Ethernet-based technologies run the risks of rapidly increasing cost of ownership and shrinking availability of products and vendors.

Ethernet is recognized by our company, due to the fact of its most common use of network technology, as well as the use of quickly and correctly identifying RJ.45 connectors for each cable use in our networking system. When as Token Ring, may have been a popular source of technology for most organizations; it is difficult to find now a days. Therefore, in our fast lane at “Excalibur + Corp” find the use of Ethernet networking systems more suitable to our needs such as data, storage, memory, and tangent reliability through technological purposes.

Traditional LAN environments such as Ethernet and Token-ring have are known to be relied on using a shared transmission channel. In the case of Ethernet, the shared channel traditionally has provided a total bandwidth of 10 Mbps, with 100 Mbps Ethernet, currently making an appearance. We require accurate management in our work, so we need a top notch and up to speed technological system.

As network traffic makes increasing demands on the shared bandwidth, alternatives are being considered. Brand new applications such as multimedia presentations, videoconferencing, imaging and other graphics and data-intensive software are causing network problems. These problems may show by low network as a slowed response at times and in the case of Ethernet are considered to be a more effective solution.

In conclusion we at “Excalibur + Corp” find the use of Ethernet to be a lot more useful, than we would assume Token Ring would because we believe in results, agility, speed and reliability as we manage to thrive successfully. Our company is more than likely to use Ethernet for years to come, and our technological uses will not slow or become stale, in which we are reassured that the advantages of Ethernet will never cease to disappoint or deliver.

We are satisfied and we will continue to use this solution rather than token, we advise you to consider to use Ethernet and use their ability to define and bring your company a guarantee in flexible, manageable, fast, and simple technological service, in conclusion, we at “Excalibur + Corp” in lames terms give Ethernet; two thumbs up.

If you should have any questions or concerns about anything of the subject in particular, please contact us and we would be happy to put your doubts to rest,
Thank you... Jasmine Anaya
Company #1(800-455-551)

References

- Urs von Burg (2001). The Triumph of Ethernet: technological communities and the battle for the LAN standard. Stanford University Press. p. 175. ISBN 0-8047-4094-1.

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