

Unit 5 - Submission Assignment

Assignment Overview

Type: Other
Unit: Forging a New Course With IPv6
Due Date: Tue, 2/19/19
Grading Type: Numeric
Points Possible: 160
Points Earned:
Deliverable Length: 4-6 pages

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My Work:

Online Deliverables: None

Assignment Details

Assignment Description

You will create this assignment following the Assignment Detail instructions below. **This assignment will be submitted in the Unit 5 - Submission Assignment lesson in intellipath.**

Review the tutorial titled [How to Submit the Intellipath Submission Assignment](#).

Please submit your work to this week's Intellipath Unit Submission lesson. Click the Upload button within the submission lesson to access the submission area. Click the Select File button to upload your document, and then click "OK" to finish.

Part 1: LabSim (60 points): 1–2 pages

Click [here](#) to refer to the instructions for the Unit 5 lab tasks.

Part 2 (140 points): 3–5 pages

You are a well-known expert in the design and security of corporate network infrastructures. As such, Z Corporation, Inc. (ZCorp) has contacted you requesting a proposal for a network infrastructure integration design.

ZCorp is a global financial institution that intends to add Internet Protocol version 6 (IPv6) to its existing network. The headquarters of ZCorp is in Denver, CO, and it has main offices in Sydney, Australia; Vienna, Austria; Tokyo, Japan; and Rio de Janeiro, Brazil. Local routers are providing network services such as Dynamic Host Configuration Protocol (DHCP), network address translation (NAT), and Domain Name System (DNS). It is using Enhanced Interior Gateway Routing Protocol (EIGRP) as its interior gateway protocol and Exterior Gateway Protocol (EGP) as its exterior gateway protocol. Its wide area network (WAN) involves multiple T3 connections and the use of Asynchronous Transfer Mode (ATM). It is unclear to the ZCorp information technology (IT) staff whether they should replace Internet Protocol version 4 (IPv4) with IPv6 or use both versions of IP (dual-stack operation).

Your mission is to prepare a proposal document that makes a recommendation for either replacing IPv4 with IPv6 or using both versions of IP. This recommendation must be supported and explained in detail. Research IPv4 and IPv6 to understand differences, benefits, and challenges. Seek information regarding LANs implementing dual protocol stacks. Make a recommendation for: a) replacing IPv4 with IPv6 and b) using IPv4 and IPv6 together (dual-stack operation). Support your recommendations.

Your proposal should specify a phased approach for your recommendation. You should include the following considerations in your document:

- List and explain 5 of most significant changes of IPv6 over IPv4
- Benefits of implementing IPv6, especially in the area of security
- Potential issues and concerns with IPv6
- Whether or not to continue the use of network services with IPv6
- Necessary changes to existing hardware with IPv6
- Other resource factors
- High-level set of steps to implement your recommendation, including IP addressing scheme

Your proposal should be a Word document of 3–5 body pages that includes a title page and an abstract. Citations and references list must be in APA style. Refer to the APA Style Guide found in the Library for further information.

Please submit your assignment.

This assignment will also be assessed using additional criteria provided [here](#).

For assistance with your assignment, please use your text, Web resources, and all course materials.

Project Criteria	Exceeds 90%–100%	Very good 80%–89%	Meets 70%–79%	Needs Improvement Below 70%
Content 75%	Response covers all topics indicated in the assignment and adds additional content.	Response covers most topics indicated in the assignment.	Response covers many of the topics indicated in the assignment.	Response covers none to some of the topics indicated in the assignment.

<p style="text-align: center;">Effective Communication 10%</p>	<p>Demonstrates outstanding or exemplary application of written, visual, or oral skills. Demonstrates outstanding expression of topic, main idea, and purpose. Audience is addressed appropriately. Language clearly and effectively communicates ideas and content relevant to the assignment. Errors in grammar, spelling, and sentence structure are minimal. Organization is clear. Format is consistently appropriate to assignment. Presentation and delivery are confident and persuasive (where applicable). The writing was of collegiate level with no errors in spelling or grammar.</p>	<p>Demonstrates very good written, visual, or oral skills. Demonstrates sound expression of topic, main idea, and purpose. Audience is usually addressed appropriately. Language does not interfere with the communication of ideas and content relevant to the assignment. Errors in grammar, spelling, and sentence structure are present, but do not distract from the message. Organization is apparent and mostly clear. Format is appropriate to the assignment, but it is not entirely consistent. The writing was of collegiate level with two or less errors in spelling or grammar.</p>	<p>Demonstrates acceptable written, visual, or oral skills. Demonstrates reasonable expression of topic, main idea, and purpose. Sometimes, the audience is addressed appropriately. Language does not interfere with the communication of ideas and content relevant to the assignment. Errors in grammar, spelling, and sentence structure are present and may distract from the message. Organization is a bit unclear. Format is inconsistent. The writing was of collegiate level with several errors in spelling or grammar.</p>	<p>Demonstrates inadequate or partially proficient application of written, visual, or oral skills. Demonstrates inadequate or partial expression of topic, main idea, and purpose. Audience is often not addressed appropriately. Language often impedes the communication of ideas and content relevant to the assignment. Errors in grammar, spelling, and sentence structure are frequent and often distract from meaning or presentation. Organization is inadequate, confusing, and distracting. Format is inadequate and obscures meaning. The writing was less than collegiate level with numerous errors in spelling or grammar.</p>
<p style="text-align: center;">Supporting Analysis 15%</p>	<p>Analysis exceeds minimum requirements. Sources are used to support analysis, are appropriate, and are properly referenced.</p>	<p>Basic analysis provided to support assertions. Sources are cited, appropriate, and properly referenced.</p>	<p>Limited analysis provided to support assertions. Some sources are cited, appropriate, and properly referenced.</p>	<p>No or inaccurate analysis, no sources are cited when needed, analysis and sources are not appropriate. When sources used, they are not properly referenced.</p>

If you are planning to repurpose an assignment or submit one you have used before, please let your instructor know. If an instructor is not made aware of work being repurposed or reused, he or she will treat the assignment as a plagiarized task and reserves the right to post an F grade and submit a task for review to administration until proof of originality is provided. Click [here](#) for more information.

The following are some tips if you have problems submitting your assignment:

1. Resave in the proper format per the Assignment Detail instructions, and resubmit.
2. Submit with a different Web browser.
3. Submit from a different computer.
4. Call Technical Support at 877-221-5800, Menu Option 2. They are open 24/7.
5. If you are still having difficulties after trying steps 1–4, please contact your course instructor.

Make sure you submit this assignment by the listed due date. Late deductions will apply for this assignment as follows:

1. Assignments submitted within 7 calendar days after the stated due date: 10% penalty of total assignment points.
2. Assignments submitted 8–14 calendar days after the stated due date: 20% penalty of total assignment points.
3. Assignments submitted 15–21 calendar days after the stated due date: 30% penalty of total assignment points.
4. Assignments submitted 22–28 calendar days after the stated due date: 40% penalty of total assignment points.
5. No assignments, including late assignments, will be accepted after the end of the course unless an approved Incomplete has been granted.

Reading Assignment

Meyers:

- Chapter 11, pages 288–320
- Chapter 13, pages 358–376

Other Information

There is no additional information to display at this time.

Legend

-  Extra Credit
-  View Assignment Rubric