CYBR3010 Cybersecurity Foundations - Network Protocol Research & Presentation Marking Guide

Presentation

Task	Criteria	Points					
Introduction and Overview	Introduces the topic clearly, provides context, and outlines what will be covered in the presentation.	0	1	2	3	4	5
Security Issues and Vulnerabilities	Explains relevant security concerns and vulnerabilities of the protocol with accuracy and depth.	0	1	2	3	4	5
Technical Details and Demonstration	Provides accurate technical explanations and includes a clear demonstration of the protocol in action.	0	1	2	3	4	5
Live Protocol Interaction	Shows live interaction (e.g., packet capture, communication flow, or configuration) that effectively illustrates how the protocol works.	0	1	2	3	4	5
Engagement and Clarity	Presenters communicate ideas clearly, maintain audience interest, and use appropriate terminology.	0	1	2	3	4	5
Use of Visual Aids	Slides, diagrams, or screen captures are clear, relevant, and enhance understanding of the content.	0	1	2	3	4	5

Total: _____
                                                                              30

Report

Task	Criteria	Points					
General description	a. RFC reference b. How/ why the protocol is used c. Prevalence of the protocol d. When the protocol was developed e. How many versions are there? f. Protocol vulnerabilities g. Security issues/flaws h. Common attacks	0	3	6	9	12	14
Port Numbers	Port number(s) used by the protocol	0	1	2	3	4	5
Header structure	Identify and describe all fields	0	1	2	3	4	5
Functionality of the protocol	Include: • Options • Response codes	0	3	6	9	12	14
Sample communications	Report shows screenshots and explanations of Sample communications	0	3	5	8	10	12
Packet Capture	Packet capture output • Screenshots or embedded	0	3	5	8	10	12
Organization	Document is well-formatted, free from spelling/grammar errors, and visually clear; uses consistent style following CYBR3010 Documentation Standards	0	2	3	5	6	8

Total: _____

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