COMP 012 - Network Administration

Project Development Phase

SESSION 16: FINAL PRESENTATION AND DEFENSE

ACTIVITY 16.1: PROJECT PRESENTATION

Topic: Present your infrastructure project

Description: Deliver professional presentation of your network infrastructure

INSTRUCTIONS:

Create presentation (15-20 slides):
• Project overview and objectives
• Network design and topology
• Server configurations:
  - Windows Server roles
  - Linux Server roles
• Network services implemented
• Security measures
• Automation scripts
• Cloud integration (if applicable)
• Challenges and solutions
• Lessons learned

Deliver 15-minute presentation:
• Clear explanation of design
• Professional delivery
• Time management

Deliverables: Deliver presentation and submit slides	**35 Points**

ACTIVITY 16.2: LIVE DEMO AND TROUBLESHOOTING CHALLENGE

Topic: Demonstrate working infrastructure and troubleshooting skills

Description: Show your infrastructure working and solve live issues

INSTRUCTIONS:

Live demonstration:
• Show server connectivity
• Demonstrate network services
• Show security implementations
• Run automation scripts
• Show Packet Tracer network

Troubleshooting challenge:
• Instructor introduces 2-3 issues

• Possible issues:
  - Server unreachable
  - Service not working
  - ACL blocking legitimate traffic
  - DNS not resolving
  - VLAN misconfiguration
You must:
• Identify the problem
• Use systematic troubleshooting
• Fix the issue
• Verify the solution
• Explain your process
Time limit: 15 minutes for all issues

Deliverables: Successfully demonstrate and troubleshoot live issues	**40 Points**

ACTIVITY 16.3: PORTFOLIO SUBMISSION AND PEER REVIEW

Topic: Final submission and evaluations

Description: Submit complete portfolio and evaluate peers

INSTRUCTIONS:

Portfolio submission:
• All documentation (PDF)
• Network diagrams
• Configuration files (sanitized)
• Packet Tracer file
• Automation scripts
• Presentation slides
GitHub repository (optional):
• Upload scripts and configs
• Create README with instructions
Peer evaluation:
• Evaluate 2 classmates' projects
• Test their infrastructure if possible
• Score based on rubric
• Provide constructive feedback
Self-reflection document:
• Key skills learned
• Most challenging aspect
• What you would do differently
• How you'll apply these skills
• Certifications you plan to pursue

Milestone: 100% complete

Deliverables: Submit complete portfolio and peer evaluations (100% milestone)	30 Points

	TOTAL POINTS: 105