

Sample Assessment Brief: part unit

**NCFE Level 5 Diploma: Cloud Systems and
Secure Networking
QN: 610/5971/7
Unit 03 Network Performance, Optimisation, and
Maintenance (Y/651/6928)**



Student name / ID number	
Unit number, title and learning outcomes (LOs)	Unit 03 Network performance, optimisation, and maintenance (Y/651/6928) LO4: Explore cloud management of wireless networks
Assignment title	Cloud wireless management presentation
Scenario	
<p>You are a network consultant for "Opti-Net Solutions". You are approached by a new client, "GlobalConnect", a logistics company with multiple offices and a growing mobile workforce. GlobalConnect currently manages its wireless networks locally at each site, which is proving inefficient and costly. They are looking to migrate their wireless network management to a centralised, cloud-based solution but are unsure about the best approach. They require a comprehensive presentation that not only explains the underlying concepts but also evaluates and justifies a suitable solution for their specific needs. You will present your findings to GlobalConnect's IT and Management team.</p>	
Tasks	
<p>Prepare and deliver a professional presentation to "GlobalConnect's" IT and Management team outlining a proposed cloud-based wireless management solution. Your presentation should effectively cover the following:</p> <p>Part A: foundational understanding of cloud wireless</p> <ul style="list-style-type: none"> describe the key factors that affect wireless network technologies when used in cloud computing environments. Specifically, discuss the impact of latency and bandwidth on wireless performance and user experience in such a setup explain the common secure network and device configurations that are applied to wireless network technologies in cloud environments to ensure data protection, compliance, and network integrity. <p>Part B: cloud management tools and their application</p> <ul style="list-style-type: none"> explain how cloud management tools (including specific vendor cloud wireless platforms) are used to configure and manage wireless network infrastructure provide specific examples of functionalities that these tools offer and how they simplify complex wireless operations. <p>Part C: solution evaluation and justification</p> <ul style="list-style-type: none"> considering "GlobalConnect's" organisational scenario (multiple offices, mobile workforce, logistics operations), evaluate a specific cloud-based wireless network management solution that you recommend for their needs your evaluation should include the benefits and risks of this chosen solution for GlobalConnect. Justify why this solution is the most appropriate (or why others might be less suitable) for their specific requirements. 	
Evidence requirements	
<ul style="list-style-type: none"> Task 1 Presentation slides / visual aids (PowerPoint, Google Slides, Prezi) Recording of the presentation delivery (if applicable or assessed live) Optionally, a brief handout or executive summary document to accompany the presentation. 	
Unit learning outcomes (LOs)	
LO4: Explore cloud management of wireless networks	

Grading criteria

Learning outcomes (LOs)	Pass	Merit	Distinction
LO4: Explore cloud management of wireless networks	P5: describe key factors affecting wireless network technologies in cloud computing and common secure configurations for these networks	M5: explain how cloud management tools are used to configure and manage wireless network infrastructure	D2: evaluate cloud-based wireless network management solutions for a specific organisational scenario