

600099 Computer Systems Infrastructure and Management - CRG

ACW - Virtual Machine Configuration and Networking Infrastructure

Learning Outcome	Criterion	Pass	2:2	2:1	1st	Upper 1st
[LO1] Critically evaluate the delivery of services to support core business objectives and comply with legislative requirements.	Virtual Machine Configuration based upon provided specification (30%)	VM is minimally configured.	In addition to previous.	In addition to previous.	In addition to previous.	In addition to previous.
[LO2] Explain the techniques used in the secure and reliable management of information.		<p>SSH is configured minimally to allow remote access for a non-root user.</p> <p>An administrative user is created.</p> <p>File/Folder permissions, if attempted, are erroneous.</p> <p>Report covers major aspects of configuring the VM, but may be missing critical reflection.</p>	<p>Remote connections using private keys may be erroneous in places.</p> <p>Administrative users are in-place. Some of the non-administrator users are attempted.</p> <p>Testing is limited in scope, and may be missing in others.</p> <p>File/Folder permissions are attempted, with some error.</p>	<p>VM Configuration is mostly complete, some errors may exist, or some constraints unmet.</p> <p>Testing of configuration is mostly correct and complete.</p> <p>Critical reflection is present, and appropriate.</p> <p>File/Folder permissions are correct and appropriate.</p>	<p>Report is well-written and structured; showing strong evidencing of process.</p> <p>Report critically evaluates alternative approaches with respect to the specification.</p> <p>Testing of each configuration is thorough, and well-documented.</p> <p>Critical reflection is thoughtful and covers thoroughly the process of undertaking the assignment.</p> <p>File/Folder permissions are correct, appropriate, and well-justified.</p>	<p>The specification is expertly broken down into its requirements, and implemented with careful thought and strong rationale.</p> <p>Testing of each configuration is thorough, and well-documented. Making use of advanced approaches.</p>

[LO2] Explain the techniques used in the secure and reliable management of information.	Network Infrastructure report for a University network. (70%)	A basic topology is presented, but may be missing certain elements.	In addition to previous.	In addition to previous.	In addition to previous.	In addition to previous.
[LO3] Discuss and critically evaluate the process of installing and configuring core business services in authentic scenarios.		An approximate cost breakdown is provided, but may be lacking justification for choices.	A suitable Network topology is outlined, but may contain errors, or not meet all requirements. An approximate cost breakdown is provided with some justification.	A suitable Network topology is outlined, enabling separation between departments, with shared space access to both. Placement of equipment, and routing of cabling is considerate of the building layout. An appropriate cost breakdown is provided, with good justification.	Report is well-written and structured; breaking down provided floor plans into their requirements with strong evidencing and justification. Some alternatives to the proposed solution are presented with justification, which meet the requirements. The cost breakdown is comprehensive for well-chosen equipment based on the identified requirements. Equipment choice takes into consideration future-proofing for the University environment, and is of enterprise standard.	Report considers a wide range of technical solutions, critically evaluating them and presenting them. Cost breakdown is thorough, with consideration for vendor, including warranties and additional support mechanisms.
Weighting	All criteria are weighted as shown by the percentages indicated in the relevant criterion box.					