

Level 3 - Unit 41 - Cloud Based Systems and Security

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Level 3, Unit 41 - Cloud Based Systems and Security (5 credits)

1. Assess and understand cloud based systems and the required security to make them effective

[1.1 Describe and compare the main hypervisors used to deliver cloud computing](#) [7]

[1.2 Describe the main systems and hardware used for cloud based use and explain their main features](#) [10]

[1.3 Analyse the features of the main cloud based systems and services](#) [13]

[1.4 Assess the strengths of the cloud based services on offer and give](#)

2. Analyse and configure systems for effective and efficient data management and make recommendations

[2.1 Evaluate the key hardware and software required for big data solutions and describe how it is used](#) [8]

[2.2 Analyse the data requirements of a range of situations](#) [11]

[2.3 Describe how the data needs of different companies and usage will affect their data solutions](#) [14]

[2.4 Describe the different types of data management system](#)

3. Investigate and understand security threats and legal issues surrounding cloud based systems

[3.1 Analyse and research the main threats to cloud based systems](#) [9]

[3.2 Describe the threats to cloud based systems and give examples of their functionality](#) [12]

[3.3 Describe and recommend ways to minimise threats to cloud based systems](#) [15]

[3.4 Describe the laws which affect cloud based services](#) [18]

[clear examples to illustrate my conclusions](#) [16]

[available](#) [17]

[1.5 Assess the weaknesses of the cloud based services on offer and indicate ways to minimise the impact of these problems](#) [19]

[2.5 Assess the strengths of data management systems and recommend the best in terms of effectiveness and efficiency](#) [20]

[3.5 Describe the licenses and their impact on cloud based services](#) [21]

[1.6 Evaluate cloud based services and systems against desktop and dedicated server based systems](#) [22]

[2.6 Evaluate data management and attempt to predict future trends](#) [23]

[3.6 Evaluate the impact of laws and licenses on the development of cloud based services](#) [24]

[2.7 Analyse the legal implications of cloud based data storage and retrieval](#) [25]

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Entry Level 2, Unit 2 - Using ICT to Select and Exchange Information (2 credits) [35]	Level 1, Unit 3 - Using Collaborative Technologies (3 credits) [36]	Level 2, Unit 3 - Using Collaborative Technologies (4 credits) [37]	Level 3, Unit 3 - Using Collaborative Technologies (6 credits) [38]
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[Level 1, Unit 7 - Word Processing \(3 credits\)](#) [52]

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[Level 1, Unit 8 - Using the Internet \(3 credits\)](#) [56]

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