**Networking (Advocate: Mike Watkins)**

**P1 Discuss the benefits and constraints of different network types and standards.**

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| <https://github.com/MarkB19988/Networking/blob/master/README.md#different-types-of-network-and-standards>  **COMPLETED** |
| The above link points to a section of my networking repository that talks about the different network types and standards and talks about why some are chosen for a given scenario over others due to their unique benefits and constraints. |

**P2 Explain the impact of network topology, communication and bandwidth requirements.**

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| <https://github.com/MarkB19988/Networking/blob/master/README.md#the-impact-of-networking-topology-communication-and-bandwidth>  **COMPLETED** |
| The above link points to a section of my networking repository that details what impact different network topologies, different forms of communication and specific bandwidth requirements can have on the different types of networks. |

**P3 Discuss the operating principles of networking devices and server types.**

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| <https://github.com/MarkB19988/Networking/blob/master/README.md#operating-principles>  **COMPLETED** |
| The above link points to a section of my networking repository that talks about different networking devices and server types and outlines what purpose they all serve. |

**P4 Discuss the interdependence of workstation hardware with relevant networking software.**

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| <https://github.com/MarkB19988/Networking#workstation-hardware>  **COMPLETED** |
| The above link points to a section of my networking repository that talks about different workstation hardware and network software and how they are related. |

**P5 Design a networked system to meet a given specification.**

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| <https://github.com/MarkB19988/Networking#concept-diagram>  **COMPLETED** |
| The above link points to a section of my networking repository that shows my design for a network solution that follows the clients requirements and specifications. |

**P6 Test and evaluate the design to meet the requirements and analyse user feedback.**

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| <https://github.com/MarkB19988/Networking#concept-diagram>  **COMPLETED** |
| The above link points to a section of my networking repository that shows what user feedback I got for my design and how I used it to make changes. |

**P7 Implement a networked system based on a prepared design.**

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| <https://github.com/MarkB19988/Networking/blob/master/NetworkingUnit.pkt>  **COMPLETED** |
| The above link points to a download for my packet tracer file that contains my implemented network that I created from my design. |

**P8 Document and analyse test results against expected results.**

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| <https://github.com/MarkB19988/Networking#testing-the-design>  **COMPLETED** |
| The above link points to a section of my networking repository that shows how I tested my network solution, It shows my test plan that compares my expected results to my actual results. |

**M1 Compare common networking principles and how protocols enable the effectiveness of networked systems.**

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| Please use this section to provide all appropriate, valid and checked http Links that point to your evidence; use multiple lines to separate multiple links |
| Please provide a short (between 3 to 8 well considered, fully proofread and reflected sentences) explanation that justifies why the evidence/links you have provided is suitable as evidence of this requirement |

**M2 Explore a range of server types and justify the selection of a server, considering a given scenario regarding cost and performance optimisation.**

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| Please provide a short (between 3 to 8 well considered, fully proofread and reflected sentences) explanation that justifies why the evidence/links you have provided is suitable as evidence of this requirement |

**M3 Install and configure network services and applications on your choice.**

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| Please provide a short (between 3 to 8 well considered, fully proofread and reflected sentences) explanation that justifies why the evidence/links you have provided is suitable as evidence of this requirement |

**M4 Recommend potential enhancements for the networked systems.**

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| Please provide a short (between 3 to 8 well considered, fully proofread and reflected sentences) explanation that justifies why the evidence/links you have provided is suitable as evidence of this requirement |

**D1 Considering a given scenario, identify the topology protocol selected for the efficient utilisation of a networking system.**

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**D2 Design a maintenance schedule to support the networked system.**

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| Please provide a short (between 3 to 8 well considered, fully proofread and reflected sentences) explanation that justifies why the evidence/links you have provided is suitable as evidence of this requirement |

**D3 Use critical reflection to evaluate own work and justify valid conclusions.**

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| Please provide a short (between 3 to 8 well considered, fully proofread and reflected sentences) explanation that justifies why the evidence/links you have provided is suitable as evidence of this requirement |