**Networking (Advocate: Mike Watkins)**

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

|  |
| --- |
| 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  <https://github.com/RyanEdwards1/Networking/blob/master/README.md#networking-types-and-standards> |
| This link takes you to the benefit and constraints of different network types and standards |

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

|  |
| --- |
| 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  <https://github.com/RyanEdwards1/Networking/blob/master/README.md#the-impact-of-networking-topology-communication-and-bandwidth> |
| This link takes you to the impact of network topology, communication and bandwidth requirements |

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

|  |
| --- |
| 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  <https://github.com/RyanEdwards1/Networking/blob/master/README.md#glossary-of-operating-principles> |
| This link takes you to the operating principles of networking devices and server types. |

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

|  |
| --- |
| 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  <https://github.com/RyanEdwards1/Networking/blob/master/README.md#workstation-hardware> |
| This link takes you to the interdependence of workstation hardware with relevant networking software |

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

|  |
| --- |
| 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  <https://github.com/RyanEdwards1/Networking/blob/master/README.md#design-of-network-system> |
| This link takes you to my design of a network system |

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

|  |
| --- |
| 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  <https://github.com/RyanEdwards1/Networking/blob/master/README.md#testing-and-evaluation-of-design> |
| This link takes you to the testing and evaluation |

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

|  |
| --- |
| 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  <https://github.com/RyanEdwards1/Networking/blob/master/Networking.pkt> |
| This link takes you to my design |

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

|  |
| --- |
| 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  <https://github.com/RyanEdwards1/Networking/blob/master/README.md#analyse-test-results> |
| This link takes you to test results |

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

|  |
| --- |
| 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.**

|  |
| --- |
| 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 |

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

|  |
| --- |
| 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 |

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

|  |
| --- |
| 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 |

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

|  |
| --- |
| 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 |

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

|  |
| --- |
| 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 |

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

|  |
| --- |
| 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 |