



Australian Government

Assessment Requirements for ICTSUS808 Plan and manage virtualisation for ICT sustainability

Release: 1

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Modification History

Release	Comments
Release 1	This version first released with ICT Information and Communications Technology Training Package Version 4.0.

Performance Evidence

The candidate must demonstrate the ability to complete the tasks outlined in the elements and performance criteria of this unit; including evidence of the ability to:

- Develop one plan for virtualisation including:
 - analysis of existing organisational processes
 - analysis of three virtualisation options and return on investment for each
 - prioritisation and sequencing of processes to be virtualised
- Develop one virtualisation management plan including:
 - procurement and acquisition of virtual machines
 - key performance measures and monitoring processes
 - roles and responsibilities
- Present plan to and communicate with, a group of at least three stakeholders to obtain feedback and generate buy in, on one occasion
- Manage the procurement and deployment of virtual machines in line with the virtualisation management plan on one occasion
- Manage the outsourced services and cloud networks of the above plan including a cost-benefit analysis and service level agreement with managed service provider on one occasion
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Knowledge Evidence

The candidate must be able to demonstrate knowledge to complete the tasks outlined in the elements and performance criteria of this unit. This includes:

- Approaches and options for using virtualisation to enable sustainability
- Organisational structure and functionality
- Cloud computing architecture
- Compatibility issues and resolution procedures
- Virtualisation technology products, key features, and advantages and disadvantages

- Range of relevant managed services, including software, network and support
- Technologies and other requirements relevant to virtualisation, including:
 - cloud computing
 - power supply requirements and management
 - server design and network architecture
 - set-up and configuration procedures
 - single and multiple processors
 - vendor specifications and requirements for software installation
 - virtual server functionality
 - system diagnostics
 - software simulations
- Key features of a management plan
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Assessment Conditions

Skills in this unit must be demonstrated in a workplace or simulated environment where the conditions are typical of those in an ICT working environment or workplace. This includes access to:

- Individual organisational stakeholders
- Organisational plan including priorities and structure
- Organisational ICT requirements
- Organisational operations documentation, including detailed information on current processes and costs
- Current system requirements and specifications
- Current server virtualisation
- Information on managed services options and costings
- Site and equipment on which servers can be virtualised

Assessors of this unit must satisfy the assessor requirements in applicable vocational education and training legislation, frameworks and/or standards.

Links

Companion Volume Implementation Guides are available from VETNet -

<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=a53af4e4-b400-484e-b778-71c9e9d6aff2>