



Australian Government

Assessment Requirements for ICTSUS801 Plan and manage virtualisation for ICT sustainability

Release: 1

Assessment Requirements for ICTSUS801 Plan and manage virtualisation for ICT sustainability

Modification History

Release	Comments
Release 1	This version first released with ICT Information and Communications Technology Training Package Version 1.0.

Performance Evidence

Evidence of the ability to:

- develop an effective plan for virtualisation and manage strategies, including managed services
- determine and meet client requirements for installation and testing of virtual server
- perform information and communications technology (ICT) power-consumption calculations
- install, integrate and test virtualisation components according to vendor and technical specifications
- produce an accurate cost-benefit analysis and virtualisation management plan for justification
- establish an effective service level agreement (SLA).

Note: If a specific volume or frequency is not stated, then evidence must be provided at least once.

Knowledge Evidence

To complete the unit requirements safely and effectively, the individual must:

- research and specify best practice approaches relevant to sustainability
- contrast common business processes, including:
 - relevant organisational policies, procedures and protocols
 - relevant systems and procedures to aid in the achievement of workplace sustainability
- determine the client business domain, including client organisational structure and business functionality
- define cloud computing architecture
- outline compatibility issues and resolution procedures
- specify the configuration of internet protocol (IP) networks
- critique current industry-accepted products
- research and specify energy consumption and energy audit methodologies
- outline environmental and sustainability legislation, regulations and codes of practice applicable to the industry and organisation
- explain the environmental impact of products, processes, systems and services
- explain linkage between policies and the development of processes and practices
- explain principles, practices and available tools and techniques of sustainability management relevant to the ICT industry
- describe quality assurance systems relevant to own organisation
- identify a range of relevant managed services, including software, network and support
- describe 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
 - using software simulation.

Assessment Conditions

Gather evidence to demonstrate consistent performance in conditions that are safe and replicate the workplace. Noise levels, production flow, interruptions and time variances must be typical of those experienced in the sustainability field of work and include access to:

- relevant documentation
- current server virtualisation
- site and equipment on which servers can be virtualised.

Assessors must satisfy NVR/AQTF assessor requirements.

Links

Companion volumes available from the IBSA website:

http://www.ibsa.org.au/companion_volumes -

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