



Australian Government

Assessment Requirements for ICTSUS502 Install and test virtual infrastructure

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 7.0.

Performance Evidence

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

- implement server virtualisation for at least two sustainable information and communications technology (ICT) systems.

In the course of the above, the candidate must:

- consider ongoing system management, growth scenarios and future infrastructure capacity
- communicate with required personnel to identify required information technology (IT) system changes and additions
- determine and meet organisational requirements for the installation and testing of virtual servers
- install, integrate and test virtualisation components according to vendor and technical specifications.

Knowledge Evidence

The candidate must be able to demonstrate knowledge to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including knowledge of:

- required legislation, codes, organisational procedures, company work practices, regulations and standards, work health and safety (WHS) requirements for scoped work
- uses and requirements of server virtualisation infrastructure in IT systems
- risks of alternative virtualisation scenarios
- functions and features of feasibility reports
- features of client business domains and business functions
- compatibility issues and resolution procedures for server implementation
- configuration of internet protocol (IP) networks
- industry-accepted server virtualisation products
- processes of documenting technical specifications

- systems diagnostic features
- set up and configuration procedures
- change management process
- functions and features of the following:
 - creating a budget
 - network operating systems
 - power supply requirements and management
 - registered random access memory (RAM)
 - server design and network architecture
 - single and multiple processors
 - virtual server functionality.

Assessment Conditions

Skills in this unit must be demonstrated in a workplace or simulated environment where the conditions are typical of those in a working environment in this industry.

This includes access to:

- a site and equipment on which servers can be virtualised
- server virtualisation currently used in industry
- documentation, feasibility studies, equipment manuals and other site-related documentation.

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

Links

Companion Volume Implementation Guide is found on VETNet -

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