



Australian Government

Assessment Requirements for ICTDBS503 Create a data warehouse

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 1.0.

Performance Evidence

Evidence of the ability to:

- prepare the specifications for a data warehouse, from a range of organisational information
- design a data warehouse system that reflects the current, and future, business specifications, and also the business's knowledge management strategy
- test the data warehouse system
- implement the data warehouse design.

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:

- explain the functions and features of:
 - data warehousing and data mining
 - dimension tables and fact tables
 - various steps and processes, including transformer steps, program steps, structured query language (SQL) steps, and user-defined program steps
 - subject areas, warehouse sources and warehouse targets
 - warehouse agents and agent sites
- outline the business operating systems related to the data sources
- describe the decision support systems related to the knowledge management strategies
- define the parameters for a security plan
- outline the system's configuration parameters
- describe the key features of "Big Data" including:
 - data access speeds and processing

- the information handled by large corporations
- distribution, via the cloud, across the database servers.

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 database field of work, and include access to:

- equipment and materials
- industry software packages
- the business requirements
- computers configurable as information servers
- the enterprise's knowledge management strategy
- internet connectivity tools
- the local area network (LAN), with a relational database management system (DBMS)
- proxy server software
- specialised internet security software.

Assessors must satisfy NVR/AQTF assessor requirements.

Links

Companion Volume implementation guides are found in VETNet -

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