



Australian Government

Assessment Requirements for ICTDBS417

Identify and resolve common database performance problems

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 6.0.

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:

- configure an optimal performance database with at least three tables for at least one occasion
- confirm at least two of the three tables have greater than one hundred rows.

In the course of the above, the candidate must:

- identify common database problems
- determine required solutions to solve problem
- implement solutions to improve database performance
- save and back up work.

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:

- database design and structured query language (SQL)
- database administration procedures
- tools and database tuning methodologies.

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:

- industry software packages
- diagnostic tools

- database operating on a network environment or virtual network environment.

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>