



Australian Government

Assessment Requirements for ICTPRG533 Debug and monitor applications

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:

- implement changes to improve an application's performance on at least one application.

In the course of the above, the candidate must:

- collect application performance data
- identify and analyse performance issues
- use a logging framework to create an event log for an application
- use tools and techniques to trace and debug an application.

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:

- industry standard logging frameworks, including:
 - logging
 - tracing tools and their functions
 - profiling tools and their functions
- basic principles of:
 - database-management systems
 - object-oriented programming
 - open-source development tools
 - software development life cycle (SDLC)
- procedures for developing, debugging and monitoring small-size applications.

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:

- performance monitoring tools on client and server system
- specific debugging tools and licenses
- integrated development environment (IDE)
- end user device.

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>