



Australian Government

Assessment Requirements for ICTPRG503 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 1.0.

Performance Evidence

Evidence of the ability to:

- use a logging framework to create an event log for an application
- use tools and techniques to trace and debug an application
- use profiling tools to collect data about an application's performance, identify and analyse identified issues and implement changes to improve performance.

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:

- provide examples of common logging frameworks, logging and tracing tools, and profiling tools
- explain the functions of profiling tools, and logging and tracing tools
- explain the basic principles of:
 - computer hardware, networking and components
 - database-management systems
 - object-oriented programming
 - open-source development tools
- describe procedures for developing small-size applications
- outline the software development life cycle (SDLC).

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 programming and software development industry, and include access to:

- sufficient privileges to use performance monitoring tools on client and server system
- specific debugging tools and licenses, depending on the particular platform.

Assessors must satisfy NVR/AQTF assessor requirements.

Links

Companion Volume implementation guides are found in VETNet -

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