Assessment Requirements for ICTICT449 Use version control systems in development environments

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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:

- plan, install, create and manage a code on one repository of work on at least three occasions.

In the course of the above, the candidate must:

- communicate down time, service interruptions and installation of service
- document final outcomes.

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:

- distributed and centralised version control systems
- web-based DevOps lifecycle tools
- DevOps automation tools
- branching, pull and push commands local/remote
- key policies, procedures and documentation required to use version control systems in development environments, including those related to:
  - repositories and working copies
  - merging and merge tools
  - working and indiscriminative commits
  - resolving conflict and backout changes
- principles and techniques of creating repositories and branch workflows
- version control industry standard best practices
- distributed version control industry standard best practices
- workflow processes applicable to using version control systems.

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:

- the internet, including connectivity
- required hardware, software and applications
- simulated work tasks and projects
- industry standard version control systems and vendor products
- organisation's ICT policies, procedures and best practice guidelines imperative to task.

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

PwC's Skills for Australia