



**Australian Government**

# **ICTCLD501 Develop cloud disaster recovery plans**

**Release: 1**

## ICTCLD501 Develop cloud disaster recovery plans

### Modification History

| Release   | Comments   |
|-----------|--|
| Release 1 | This version first released with ICT Information and Communications Technology Training Package Version 6.0. |

### Application

This unit describes the skills and knowledge required to develop a cloud disaster recovery plan. It involves identifying current and potential risk factors, including impact, likelihood, duration and cost of disruption in the cloud computing environment.

The unit applies to Chief Information Officers (CIOs), cloud architects, cloud network engineers, cloud consultants and those involved in cloud disaster recovery plans for a business.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

### Unit Sector

Cloud computing

### Elements and Performance Criteria

| ELEMENTS   | PERFORMANCE CRITERIA   |
|--|--|
| <i>Elements describe the essential outcomes.</i> | <i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>   |
| 1. Prepare to develop plan                       | 1.1 Identify disaster recovery plan requirements according to business needs and requirements<br>1.2 Determine existing organisational recovery plans<br>1.3 Identify vendor disaster recovery plan and service level agreements   |
| 2. Conduct impact analysis                       | 2.1 Determine time and recovery point objectives according to business needs<br>2.2 Assess potential risks plan exclusions according to business requirements<br>2.3 Estimate amount of data and security level of data managed<br>2.4 Evaluate severity of impact and disruption of risk events |

| <b>ELEMENTS</b>                        | <b>PERFORMANCE CRITERIA</b>  |
|--|--|
|  | 2.5 Document outcomes of impact analysis according to organisational policies and procedures   |
| 3. Develop disaster recovery solutions | 3.1 Develop range of disaster recovery solutions according to business requirements<br>3.2 Determine vendor protections and prioritise risks<br>3.3 Assess external insurance protection levels and their suitability requirements<br>3.4 Identify other disaster recovery solution components |
| 4. Finalise disaster recovery plan     | 4.1 Align disaster recovery risk potential according to business requirements<br>4.2 Outline steps of disaster recovery plan including timelines, key features, service providers and any other aspect<br>4.3 Document disaster recovery plan according to business needs and requirements     |
| 5. Test cloud disaster recovery plan   | 5.1 Conduct verbal walkthrough of cloud disaster recovery plan with required personnel<br>5.2 Seek and respond to feedback as required<br>5.3 Lodge cloud disaster recovery plan according to organisation and legislative protocol<br>5.4 Obtain final sign off from required personnel       |

## Foundation Skills

*This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.*

| <b>SKILL</b>            | <b>DESCRIPTION</b>   |
|-------------------------|--|
| Reading                 | <ul style="list-style-type: none"> <li>Interprets complex technical and operational documentation to determine and confirm job requirements</li> </ul>   |
| Oral communication      | <ul style="list-style-type: none"> <li>Uses listening and questioning techniques to articulate complex concepts and requirements using industry language in cloud computing and risk environment</li> </ul>  |
| Self-management         | <ul style="list-style-type: none"> <li>Demonstrates a sophisticated knowledge of principles, concepts, language and practices associated with the cloud and digital world and uses them to troubleshoot and understand the uses and potential of new technology</li> </ul> |
| Planning and organising | <ul style="list-style-type: none"> <li>Uses a broad range of strategies to evaluate and resolve risk events in cloud and technical environment and demonstrates the knowledge that design choices will influence the security of virtually stored</li> </ul>               |

| <b>SKILL</b>    | <b>DESCRIPTION</b>  |
|-----------------|---|
|                 | information   |
| Problem solving | <ul style="list-style-type: none"><li>• Uses a mix of intuitive and formal processes to identify key information and issues, evaluate alternative strategies, anticipate consequences and consider implementation issues and contingencies</li><li>• Uses knowledge of context to address common threats in the cloud and technical environment</li></ul> |

## Unit Mapping Information

No equivalent unit. New unit.

## Links

Companion Volume Implementation Guide is found on VETNet -

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