



Australian Government

ICTCLD401 Configure cloud services

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.

Application

This unit describes the skills and knowledge required to configure core cloud services including compute, storage, databases and autoscaling according to business needs and workload.

The unit applies to cloud computing architects, developers and cloud engineers utilising cloud services and those engaged in deploying cloud computing solutions 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

ELEMENT	PERFORMANCE CRITERIA
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Select and secure access to cloud environment	1.1 Discuss and compare different cloud computing solutions, models and services according to business requirements and needs 1.2 Identify impact of shared security responsibility models 1.3 Select best cloud computing solution and service according to business requirements and needs 1.4 Access account on cloud platform according to business requirements and needs 1.5 Identify user access protocols and policies according to business requirements and needs 1.6 Configure access functions within cloud environment according to users, groups and required permissions

ELEMENT	PERFORMANCE CRITERIA
	1.7 Identify and assign security responsibilities according to security policies, business protocols and work function 1.8 Define workload according to business requirements and needs
2. Deploy virtual network	2.1 Create users and groups to create and manage infrastructure according to business requirements and needs 2.2 Create virtual multi-tier network to support core services and autoscaling 2.3 Create virtual machine according to business processing and operating system requirements 2.4 Define, add and expand storage on virtual machine according to business requirements and needs 2.5 Deploy a managed database within virtual network according to business requirements and needs 2.6 Test external network access and access between resources within virtual network and fix errors
3. Set up automatic scaling	3.1 Configure and apply autoscaling to virtual machines to scale according to business defined metrics 3.2 Test automatic scaling and fix errors as required
4. Finalise virtual network infrastructure	4.1 Document and communicate work to required personnel 4.2 Seek and respond to feedback as required 4.3 Save and store user documentation according to organisational policies and procedures

Foundation Skills

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

SKILL	DESCRIPTION
Reading	Analyses and consolidates information and data from a range of sources against defined criteria and requirements, and checks for accuracy and completeness
Writing	Records required information and prepares documentation outlining work performed using appropriate language
Learning	Identifies ideas for other applications and considers them in current contexts
Planning and	Plans and implements routine tasks and workload, making limited decisions on sequencing, timing and collaboration, and seeks

SKILL	DESCRIPTION
organising	assistance in setting priorities
Self-management skills	• Makes low-impact decisions within familiar situations, based on a range of predefined or routine solutions, and evaluates effectiveness of outcome

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>