

40043 Manage a server for an organisation

Kaupae Level	5
Whiwhinga Credit	10
Whāinga Purpose	<p>This skill standard is for people who want to learn how to manage servers in organisational contexts.</p> <p>It contributes to a broad understanding of core concepts and practical skills in Information Technology (IT) and is for those employed or seeking employment in technical support roles such as computer technicians and help desk and technical support officers.</p> <p>It can be used in programmes leading to the New Zealand Diploma in Information Technology Technical Support (Level 5) [Ref: 2596].</p>

Hua o te ako me Paearu aromatawai | Learning outcomes and assessment criteria

Hua o te ako Learning outcomes	Paearu aromatawai Assessment criteria
1. Install, configure, and manage servers and server operating systems for an organisation.	a. Identify and evaluate server requirements for an organisation, including hardware, software, storage, and network.
	b. Install and configure the server operating system to support organisational processes.
	c. Install, configure, and manage Virtual Machines (VM) to support organisational processes.
	d. Manage servers in a cloud environment to support organisational requirements.
2. Manage server storage, backup, and recovery processes.	a. Implement a disaster recovery plan to minimise downtime and data loss and ensure business continuity in an IT organisation.
	b. Decommission servers and server storage, demonstrating best practice and ensuring compliance with relevant regulations and guidelines.
3. Implement and maintain server security measures.	a. Implement server security and access control to protect servers from unauthorised access and ensure data integrity in an IT organisation.
	b. Apply server security best practices, including physical and network security, server hardening, and data protection, to support organisational processes.

Pārongo aromatawai me te taumata paearu | Assessment information and grade criteria

Assessment specifications:

Learners will need to apply the skills outlined in the assessment criteria to a range of scenarios, specific to a particular organisational context, in which the opportunity will be given to work with servers.

The assessment must take place in a realistic practical setting which incorporates industry standard technologies relevant to current practice.

The assessor may gather evidence for this assessment over time from a range of scenarios as opposed to a single assessment in which the learner must apply all of the assessment criteria.

For the purposes of this standard, best practice refers to established guidelines, procedures, and standards that are recognised as effective and efficient for safely retiring a server from active use.

Ngā momo whiwhinga | Grades available

Achieved.

Ihirangi waitohu | Indicative content

- Server administration concepts
- Virtualisation and Cloud Computing
- Managing Server Assets
- Configuring servers and server operating systems
- Storage, backup, and recovery
- Server security
- Expected standards of behaviour for IT practitioners in New Zealand as outlined in the IT Professionals New Zealand Code of Ethics.

Rauemi | Resources

- The IT Professionals New Zealand Code of Ethics is available at <https://itp.nz/practice-guidelines>.
- Relevant legislation, accessible at <https://legislation.govt.nz>, includes but is not limited to:
 - Copyright Act 1994
 - Copyright (New Technologies) Amendment Act 2008
 - Electronic Transactions Act 2002
 - Harmful Digital Communications Act 2015
 - Health and Safety at Work Act 2015
 - Privacy Act 2020
 - Unsolicited Electronic Messages Act 2007
 - And any subsequent amendments.

Pārongo Whakaū Kouna | Quality assurance information

Ngā rōpū whakatau-paerewa Standard Setting Body	Toi Mai Workforce Development Council
Whakaritenga Rārangi Paetae Aromatawai DASS classification	Computing and Information Technology > Computing > Computer Support
Ko te tohutoro ki ngā Whakaritenga i te Whakamanatanga me te Whakaōritenga CMR	0099

Hātepe Process	Putanga Version	Rā whakaputa Review Date	Rā whakamutunga mō te aromatawai Last date for assessment
Rēhitatanga Registration	1	26 April 2024	N/A
Kōrero whakakapinga Replacement information	N/A		
Rā arotake Planned review date	31 December 2028		

Please contact Toi Mai Workforce Development Council at qualifications@toimai.nz to suggest changes to the content of this skill standard.