

40038 Install an operating system for an organisation

Kaupae Level	5
Whiwhinga Credit	10
Whāinga Purpose	<p>This skill standard is for people who want to learn how to install operating systems 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. Analyse business requirements to install an operating system (OS) for an organisation.	a. Explain the concepts and principles of operating systems in supporting organisational processes.
	b. Carry out an analysis of an organisation to distinguish the needs of the operating system.
	c. Propose a recommendation for an operating system based on the results of the completed analysis.
2. Install, configure, and manage operating systems for an organisation.	a. Install and configure an operating system to meet an organisation's requirements.
	b. Configure dual-boot OS and manage disk partitions.
	c. Manage organisational user accounts, permissions, and file systems effectively.
	d. Apply OS security measures, update and patch the system, and implement backup recovery strategies for the organisation.
	e. Diagnose issues and identify effective solutions to resolve OS-related issues.

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 two different operating systems.

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

Ngā momo whiwhinga | Grades available

Achieved.

Ihirangi waitohu | Indicative content

- Concepts, structures, functionalities, and business requirements of operating systems
- Types and classification of operating systems
- Procedures and techniques for installing, configuring, and troubleshooting operating systems
- User Management and File Systems
- Operating systems security and maintenance
- 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
 - 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
Rēhītatanga 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.