



Australian Government

ICTNWK521 Install, configure and test a payment gateway

Release: 1

ICTNWK521 Install, configure and test a payment gateway

Modification History

Release	Comments
Release 1	This version first released with ICT Information and Communications Technology Training Package Version 1.0.

Application

This unit describes the skills and knowledge required to install, configure and test a payment gateway that enables translation of electronic payment information provided online into a form accessible to a merchant processor.

It applies to individuals in the network or web development area who are required to build e-commerce facilities into websites.

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

Unit Sector

Networking

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. Prepare server and e-business software for payment site	1.1 Analyse client requirements and regulatory requirements 1.2 Evaluate payment software and select appropriate software to meet specifications, including security and privacy benchmarks 1.3 Review and compare online merchant options 1.4 Choose payment method with reference to business requirements and client expectations 1.5 Test payment software and evaluate to ensure suitability and compatibility with current system and to meet client needs
2. Install payment	2.1 Install selected payment software

ELEMENT	PERFORMANCE CRITERIA
gateway	2.2 Establish online merchant account 2.3 Configure web pages and back-end solutions to handle requests and integrate with the database for each transaction 2.4 Obtain merchant account information from the financial institution 2.5 Implement appropriate security systems to protect the payment infrastructure 2.6 Configure payment gateway to accept the appropriate payment methods and transaction types according to business requirements
3. Test payment gateway	3.1 Check transaction server for functionality against expected performance benchmarks 3.2 Test gateway using transaction types 3.3 Verify transactions by using the administrative functions of chosen payment software 3.4 Document payment gateway

Foundation Skills

This section describes language, literacy, numeracy and employment skills incorporated in the performance criteria that are required for competent performance.

Skill	Performance Criteria	Description
Reading	1.1-1.4, 3.3	Recognises and interprets organisational and technical material to determine job requirements
Writing	2.4, 2.6, 3.4	Develops a range of reports for a specific audience, using clear and detailed language to convey explicit information, requirements and recommendations
Numeracy	1.2, 1.5, 3.1	Interprets numerical data to check payment transactions against expectations and requirements
Get the work done	1.2-1.5, 2.1-2.6, 3.1-3.3	- Demonstrates a sophisticated understanding of principles, concepts, language and practices associated with the digital world - Is acutely aware of the importance of understanding, monitoring and controlling access to digitally stored and transmitted information - May operate from a broad conceptual plan, developing the

		operational detail in stages, regularly reviewing priorities and performance during implementation, and identifying and addressing issues • Monitors outcomes of decisions, considering results from a range of perspectives and identifying key concepts and principles that may be adaptable in the future • Uses nuanced understanding of context to recognise anomalies and subtle deviations to normal expectations, focussing attention and remedying problems as they arise
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Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
ICTNWK521 Install, configure and test a payment gateway	ICANWK521A Install, configure and test a payment gateway	Updated to meet Standards for Training Packages.	Equivalent unit

Links

Companion Volume implementation guides are found in VETNet -

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

Assessment Requirements for ICTNWK521 Install, configure and test a payment gateway

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Performance Evidence

Evidence of the ability to:

- review client requirements and determine payment software
- install and configure the payment gateway
- test and verify transactions and functionality
- document completed payment gateway.

Note: If a specific volume or frequency is not stated, then evidence must be provided at least once.

Knowledge Evidence

To complete the unit requirements safely and effectively, the individual must:

- identify and describe online commerce systems and processes and their respective advantages/disadvantages, including:
 - batching verification
 - payment software products
 - public key infrastructure (PKI)
 - globally unique ID (GUID)
- describe the processes and techniques associated with implementing client-side shopping carts through active server pages (ASP) and interfacing with databases with ActiveX Data Objects (ADO)
- describe the relative advantages and disadvantages of credit card, digital cash and online cheque systems
- describe the relevance of Copyleft and Free Software Foundation
- outline electronic commerce modelling language (ECML)
- summarise encryption options for national and international business
- identify legislation, regulations and standards that influence online commerce, including:
 - copyright

- intellectual property
- privacy.

Assessment Conditions

Gather evidence to demonstrate consistent performance in conditions that are safe and replicate the workplace. Noise levels, production flow, interruptions and time variances must be typical of those experienced in the network industry, and include access to:

- appropriate servers and software
- payment software
- a simulated merchant account
- a website.

Assessors must satisfy NVR/AQTF assessor requirements.

Links

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