ICTWEB439 Confirm basic website security

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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 provide basic website server and protocol security to level required by an organisation.

The unit applies to individuals employed as web maintenance staff who are required to check that a website meets basic security requirements.

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

Unit Sector

Web

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
Elements describe the essential outcomes.	*Performance criteria describe the performance needed to demonstrate achievement of the element.*
1. Determine business security requirements	1.1 Identify level of security required according to business and commercial intent of website 1.2 Identify whether password protection is required for site, or part of site 1.3 Decide on minimum and maximum password protection solutions according to business requirements
2. Confirm web server security	2.1 Confirm web server password is obscure and non-traceable 2.2 Install and maintain intrusion detection system, according to business requirements 2.3 Check and confirm user accounts only have required permissions on server 2.4 Confirm interpreters' programs running common gateway interfaces (CGIs) are not stored in CGI-bin directory

ELEMENT	PERFORMANCE CRITERIA
	2.5 Check web form data before passing it to server
3. Confirm protocol security	3.1 Protect fixed internet connection and internet protocol (IP) address
	3.2 Protect shared network resources from intrusion, according to business requirements
	3.3 Conform protocols and preferences on digital devices follow security protocols
	3.4 Disable control protocol and internet protocol (TCP/IP) bindings according to task requirements
	3.5 Check and confirm network basic input/output system (NetBIOS) over TCP/IP is disabled
	3.6 Confirm basic security level of website is met with 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.

SKILL	DESCRIPTION
Oral communication	• Listens and asks questions in eliciting information
Reading	• Identify and evaluate technical information in producing solutions according to business requirements • Identify critical information and confirms accuracy through cross checks
Writing	• Writes and edits, computer code and technical data and confirms syntax and accuracy
Planning and organising	• Plans approach to work according to analysis of business needs and requirements
Problem solving	• Resolves issues and implements tests and ascertains functionality of solutions prior to full implementation • Utilises a combination of lateral and analytical thinking and evaluates and validates reliability and efficacy of website
Self-management	• Sequences, schedules and prioritises own work activities
Technology	• Uses a range of digitally-based technologies and software packages and hardware, required for interrogating vendor databases and websites

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Unit Mapping Information

Supersedes and is equivalent to ICTWEB408 Ensure basic website security.

Links

Companion Volume Implementation Guide is found on VETNet - https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a53af4e4-b400-484e-b778-71c9e9d6aff2

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