

Aces Centre ICAI5176B
Install and configure router

- Elements
 - Select and install router
 - Configure and test router
 - Implement e-business innovation

Aces Centre **Element 1: Select and install router**

- Performance Criteria
 - Select *router* based on organisational needs and criteria
 - Assemble *router* and *peripherals* in accordance with manufacturer requirements, enterprise guidelines and *protocols*
 - Configure *router* according to manufacturer instructions and technical requirements, taking into account interoperability requirements with network components
 - Reconfigure individual workstations to operate within the new environment, if required

Aces Centre **Element 2: Configure and test router**

- Performance Criteria
 - Test *router* and *peripherals* in accordance with manufacturer instructions and technical requirements
 - Test *hardware* and *router* to ensure full functionality and interoperability
 - Reconfigure additional *hardware* as required
 - Make adjustments to *network* depending on test results

Aces Centre **Install and configure router**

- Knowledge
 - Router functions
 - Router-based network architectures
 - Broadcast traffic and bandwidth
 - Redundant paths
 - Intelligent packet forwarding
 - Routing tables
 - Routing protocols and how they operate

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- Knowledge
 - Dynamic routing
 - Router firewalls
 - Australian Computer Society Code of Ethics

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- Skills
 - Configuring router protocols
 - Configuring network peripherals
 - Selecting and installing a router
 - Network testing and troubleshooting (e.g. using Ping, telnet commands)