

# CAREER FACT SHEET

## Computer Network Professionals

### Snapshot

Computer Network Professionals research, analyse and recommend strategies for network architecture and development, implement, manage, maintain and configure network hardware and software, and monitor and optimise performance, and troubleshoot and provide user support.

How many are employed in this occupation?	32,300
What are the average weekly earnings for full time workers?	\$2,210
How does unemployment compare with other occupations?	Average
What are the job prospects for this occupation?	Medium
What will be the likely future employment growth for the next five years?	Very Strong Growth

### Main employing industries

Professional, Scientific and Technical Services, Public Administration and Safety, Financial and Insurance Services and Information Media and Telecommunications

### Tasks

This occupation may include associated occupations with varying tasks.

- analysing, developing, interpreting and evaluating complex system design and architecture specifications, data models and diagrams in the development, configuration and integration of computer systems
- researching, analysing, evaluating and monitoring network infrastructure to ensure networks are configured to operate at optimal performance
- assessing and recommending improvements to network operations and integrated hardware, software, communications and operating systems
- providing specialist skills in supporting and troubleshooting network problems and emergencies
- installing, configuring, testing, maintaining and administering new and upgraded networks, software database applications, servers and workstations
- providing network programming in support of specific business needs and requirements
- preparing and maintaining procedures and documentation for network inventory, and recording diagnosis and resolution of network faults, enhancements and modifications to networks, and maintenance instructions
- monitoring network traffic, and activity, capacity and usage to ensure continued integrity and optimal network performance

# INDUSTRY OVERVIEW

## Information Media and Telecommunications

Do you have a flair for coding in Java, fixing computer bugs and setting up data networks? Or are you into producing compelling web content via slick copy, video and audio production? If you answered yes to either of these questions then you should definitely explore the many career pathways available in the exciting world of Information, Media and Telecommunications. The Information, Media and Telecommunications industry requires people with a diverse range of skills. From those who can drive the technology that controls the storage and dissemination of information, to creative-types, skilled at producing innovative solutions for clients wanting their business to stand out from the crowd. This industry also employs people who have solid interpersonal skills for roles in client sales and support. Just about every organisation requires some kind of information technology facility, therefore working in this industry means the opportunity to gain experience in a variety of enterprises. There are career pathways in data management, games and multimedia design, hardware and software maintenance and support, database design and networking. You could work as an electronics technician, a data communications tradesperson or as website designer. With relevant qualifications and experience you could even manage entire information systems.



**Information Media and Telecommunications**

### Possible job pathways

- Call or Contact Centre Workers
- Call, Contact Centre & Customer Service Managers
- Computer Network Professionals
- Graphic and Web Designers, and Illustrators
- ICT Managers
- ICT Sales Assistants
- ICT Sales Professionals
- ICT Support Technicians
- Software and Applications Programmers
- Technical Sales Representatives
- Telecommunications Engineering Professionals
- Telecommunications Technical Specialists
- Telecommunications Trades Workers
- Actors, Dancers and Other Entertainers
- Artistic Directors, Media Producers & Presenters
- Film, Television, Radio and Stage Directors
- Gallery, Library and Museum Technicians
- Journalists and Other Writers
- Performing Arts Technicians
- Printers
- Printing Assistants and Table Workers
- Public Relations Professionals
- Signwriters

For more information visit [skillsroad.com.au](https://skillsroad.com.au)