



## Consultant Profile

# Paul Hortop



Paul contributes over 27 years experience in all facets of physical, network and data security to Voco's ICT transformation capability. Before emigrating to New Zealand, Paul had an exemplary career with the Intelligence Corps of the British Army specializing in Intelligence and Security, achieving management status and holding a high level of security clearance. Over the course of his force's career, Paul undertook a wide variety of initiatives in the security field giving him a seldom-found depth of experience and expertise. Notable achievements included:

- Coordinated and directed the response to major network security incidents on the British Ministry Of Defence computer networks. This included major virus attacks, denial of service issues, covert intrusions and protection of sensitive data;
- Employed as the senior consultant in the Army Information Security Unit. Advised on all aspects of IT security and investigations for the British Army achieving exceptional Return on Investment;
- Provided IT and physical security consultation to major multi-million pound projects resulting in improved security and significant financial savings;
- Conducted penetration testing and vulnerability assessments using both traditional tools and custom exploits on the British Army's most sensitive systems;
- Led the Network Security Team (CIRT) for the Joint Warrior Interoperability Demonstration (UK) for 2003 and 2004.
- In December 2004, led the penetration testing of a medium sized commercial enterprise with a turnover of 50 million pounds;
- Led IT security investigations, including major virus investigations, system security breaches and e-mail and Internet investigations preventing reoccurrence and identifying loss;
- Designed the network security architecture and operating procedures to create the largest, most sophisticated military network security team ever deployed in the UK. Reacted to and investigated network security incidents ensuring the secure operation of this international network;
- Developed a computer forensics capability - including the procurement of equipment, development of procedures, training of 6 other team members, conduct of traditional computer forensic investigations and forensic examinations in response to network security incidents; and
- Led a team of ten people responsible for all aspects of security for 300 British Army units including 22 Special Air Service and the largest ammunition depot in Western Europe.

The wide recognition of Paul's expertise due to these and other achievements resulted in numerous engagements, including:

- Formal recognition of excellence and advice sought by numerous UK police forces and foreign counter-intelligence agencies;
- Approached by Guidance Software, the leading computer forensics software company, to work as a part-time instructor;
- Taught forensics courses for Guidance in the UK and Europe and assisted Guidance Software with the development of courses and software; and
- Long-term involvement with a US government-led security information analysis project including 3-D visualization, data normalization and data mining.

In the New Zealand context Paul has an in-depth understanding of IT security principles as defined in Government Communications Security Bureau (GCSB) publications such as NZSIT-402 and public standards such as ISO27002 which he uses to design cost-effective security solutions and audit existing solutions.

A keen outdoors man, Paul lives in Wellington indulging passions for water sports including surfing and kayaking. He is currently training to be a Surf Lifeguard. If that isn't enough to fill up his life, Paul also enjoys snowboarding and is a Mountain Bike Instructor.

## Experience

### Voco

Paul joined Voco in 2008 to lead our Security Practice.

### Gen-i

Paul recreated the Wellington Security Practice developing a pipeline of nearly 50 new work streams for Gen-i customers ranging in size from SMEs to major government departments.

He was successful in integrating the IT security efforts across multiple service lines to deliver cohesive security services, creating a one-stop shop for IT security.

### Virtual CERT Ltd

#### **Security Consultant**

Paul delivered projects and provided security consultancy to NZDF and MFAT, in particular focusing on major vendors and aligning solutions with key business requirements.

As a key member of the management team for this US-based vulnerability management start-up, Paul defined product strategy, led marketing, recruited and led teams.

### New Zealand Defence Force

#### **Head of IT Security**

Responsible for the protection of all New Zealand Defence Force Communications and Information Systems assets and information through the definition, development and maintenance of a robust

Information Assurance regime.

Paul created and directed a computer network defence capability for NZDF which included the establishment of a computer incident response team. He recruited and managed staff in the following functions:

- Alert;warning and response;
- Vulnerability Assessment;
- Network Monitoring;
- Incident Investigation;
- Accreditation; and
- Policy Production

He was responsible for producing policy, processes and investment cases, and procured and deployed network security systems.