



Giannis Kapetanakis

Senior System, Network &
Security Administrator

+ CONTACT

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Nationality Greek

Date of birth November 17, 1977

Gender Male

Military Service Completed, 2007

+ PROFESSIONAL EXPERIENCE

2003 - Today **Senior System, Network and Security Administrator**

Computer Center
University of Crete

Installation and Management of Unix/Linux/OpenBSD Servers.
Installation and Management of Network Services like DNS, Web, Mail, Storage, Authentication, LDAP, VPN, PKI, Virtualization Infrastructure, Databases, Backup, HPC Clusters, High Availability Clusters, Load Balancers etc.
Network Management (routers, switches, Wi-Fi, firewalls, load balancers).
Systems, Network and Data Security. Hardening, Prevention, Monitoring.
User Support.

2007 - Today **Senior System, Network and Security Administrator (remote)**

NOC
Hellenic Mediterranean
University
(former Technological
Education Institute of
Crete)

Installation and Management of Unix/Linux/OpenBSD Servers.
Installation and Management of Network Services like DNS, Web, Mail, Storage, Authentication, LDAP, Shibboleth, CAS Single Sign-On, Virtualization Infrastructure, VPN, PKI, OpenEclass, Databases, Backup, High Availability Clusters, Load Balancers etc.
Systems, Network and Data Security. Hardening, Prevention, Monitoring.
Participation in projects: myTEloC, OpenCourses, REMOSIS, ENTOMATIC, EnhANCE, ASAP.

1996 - 2002 **System Administrator (paid student)**

Physics Department
University of Crete

Installation and Management of Unix/Linux Servers.
Installation and Management of Network Services like DNS, Web, Mail, NFS, NIS, FTP, Databases, Backup, etc.

+ EDUCATION

2002 - 2003 **MSc in Information Security (finished with Distinction)**

Royal Holloway
University of London

MSc Thesis Title: Securing a Unix Server.
Courses: Introduction to Cryptography and Security Mechanisms, Advanced Cryptography, Computer Security, Network Security, Database Security, Security Management.

1996 - 2002 **BSc in Physics**

Physics Department
University of Crete

Computer Science Courses: C/C++ Programming, Java Programming, FORTRAN Programming, Computational Physics, Data Structures, Computer Networks.

+ TEACHING EXPERIENCE

- 2003 – 2005 Teaching the obligatory course "Introduction to Computers" in Physics Department and in Materials Department of University of Crete.
- October 2001 Seminars on Unix Administration, Unix and Network Security for System Administrators in University of Crete.

+ LANGUAGES

- Mother tongue **Greek**
- Foreign languages **English**
- First Certificate in English – B2 (University of Cambridge), TOEFL. Very good command both written and spoken.

+ IT PROFESSIONAL SKILLS

- Operating systems **Very good experience in installation and management of Unix Servers like Linux, OpenBSD, AIX, Solaris, HP-UX, IRIX, Digital Unix, SCO and Windows Vista/XP/NT/2x/7/8/10 Mac OS X. Management of network routers and switches like IOS, CatOS (Cisco), HP Procurve and Dell. Management of Enterprise Storages (SAN, NAS over iSCSI, FC, 10GbE/1GbE).**
- Network Services **Very good experience in installation and management of network services like DNS (bind, nsd, unbound), SMTP (postfix, sendmail), Web (apache, nginx), Tomcat, LDAP (ODSEE, OUD, 389, openldap, LDAP Proxies), Radius, Tacacs, Kerberos, POP3, IMAP, DHCP, FTP, NFS, NIS, TFTP, BOOTP, Samba, DRBD, SQL Servers (MySQL, PostgreSQL, MS SQL, Oracle), NoSQL (Redis), Backup, High Availability Load Balancers/Clusters (Relayd, HAProxy, Keepalived, CARP), Virtualization (oVirt, RHEV, KVM, Xen, VMware ESXi, VirtualBox), Cloud Storage (ownCloud, NextCloud), RedHat Clusters, Shibboleth, CAS Single Sign-On, CMS (Drupal, WordPress, Joomla), Icecast, IRC servers, Monitoring Tools (Nagios, Munin, MRTG, Cacti, SNMP), Ticketing Systems, E-Learning Platforms (openEclass, Moodle), Mailing Lists (Mailman, Sympa), VLANs, OSPF.**
- Security **OS and services hardening, prevention, monitoring of security incidents in information systems and services. Cryptography, Certification Authorities (PKI), Firewalls (OpenBSD PF, Linux iptables, Cisco ACLs), Intrusion Detection Systems, Anti-Spam Systems, VPNs (OpenVPN, IPsec).**
- HPC Clusters **25Tflops (52 nodes) Metropolis HPC CCQCN Cluster, based on Slurm, XCAT, Infiniband, Fibre Channel, Lustre, NFS, iSCSI.**
- Programming **PHP, Shell scripting, C.**

+ PROFESSIONAL HIGHLIGHTS

- Highly self motivated.
- Experienced in working with or leading group of colleagues.
- Designing, managing and securing all layers of network infrastructure services.
- Strong focus on open source solutions.

+ Referrals

Chara Tomara

Head of Systems and Networks Group, Computer Center, Voutes Campus, University of Crete.

Kostas Vassilakis

Head of NOC, Hellenic Mediterranean University.

+ OTHER SKILLS AND HOBBIES

- Music (Double Bass musician)
- Sailing (offshore, J24 racing)

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