

Nima Talebi

M: +61-4-0667-7607

E: nima@autonomy.net.au

W: <http://www.autonomy.net.au/>

A: PO Box 667, Crows Nest, 1585, New South Wales, Australia.

Highlights

Author of a Linux Rootkit for the Ubuntu 8.04 (hardy) (kernel 2.6.24), system call hooks and modification of kernel structures at runtime via LKM.

Infrastructure lead engineer for the NSW Department of Education and Training's data warehousing solution comprising Oracle 10g, 11g technologies, Informatica ETL, and HP EVA/IBM DS4000 storage. This project caters for recording of all digital communication across the NSW state public schools and TAFE colleges addressing regulatory requirements.

Author of [Python-DMIDecode](#) – A Python extension module written in C for interfacing the DMI/SMBIOS data in the system BIOS. This project has since been adopted and further developed by Red Hat (adding libxml2 support); It is included in the software stack for the next realtime Linux kernel in Red Hat Enterprise MRG, it has been back-ported to RHEL 5.5, and it is expected to appear in all future releases.

Developed a Rapid-Build and Deployment application for the NSW Department of Education and Training, reducing average server deployment lead times by over 80%. At present, this product supports RHEL operating systems versions 4 and above, and SLES operating systems version 10 and above.

Google Summer of Code 2007 – Developed Mac OS X port of [Swarm](#) – an agent-based modelling system utilising GNUStep and NS/Cocoa frameworks. Implemented unit-testing for Swarm, and remedial code to enable the graphical interface of Heatbugs, a swarm application.

Debian [package maintainer](#) for the [func](#), [certmaster](#), [pamtester](#), [python-dmidecode](#), and [sock](#) packages.

Technical Skills

Operating Systems - Linux (Debian, RHEL, SLES, KVM, VMware), FreeBSD, Solaris, Mac OS X, AIX, Cisco IOS

Networking - TCP/IP, IGP (OSPF, RIP, EIGRP), BGP (BGP)

Security - Rootkit Design (FreeBSD, Linux), Fuzzing, Pen-Testing, Static Analysis (C), Reverse-Engineering (IDAPro, binutils, GDB), Protocol Analysis, Social Engineering, Security Procedures, Policies, and Best Practices.

Languages - Python, C (Linux and System-V systems programming, TCP/IP, IPC), Cocoa/Objective-C, C++, Assembly, PHP, SQL, PL/SQL, Perl, JavaScript, BASH, TCSH, L^AT_EX

Department of Education & Training, NSW

2005–Now *Senior Linux Administrator*

Responsibilities & Achievements

Responsible for Unix (Red Hat Linux and Solaris) servers and associated services. These include the DET Portal and all TAFE and school web servers.

Strategies of DR between and within the DET data centres, load balancing (VIPs) and failovers. Responsible for data center shutdown and startup scheduling, and actioning (Linux and Solaris servers and services).

Lead the implementation of the TAFE Library Systems upgrade/migration from Tru64 over to Oracle 10g (AIX), and the application SirsiDynix Unicorn (Linux).

Deployment and migration of Interwoven TeamSite running on Sun Solaris over to Linux.

Responsible for Oracle Enterprise Management Services (OMS) and OMAs running on Oracle 10g/11g database and application servers.

Autonomy Corporation Pty Ltd

2005–Now *Technical Director*

Open-Source Projects

[Autonomy Desecured](#) - Security-related tutorials and blogs

[Autonomy PSIGMATECK](#) - Sydney *Intelligence* user group

[Autonomy Hotwire Rapid-Build & Deploy](#) - Inventory and server build system

[Autonomy Artificial Intelligence](#) - Community wiki

[Python-DMIDecode](#) - Python module interfacing DMI/SMBIOS data in system BIOS

BGC Residential (J-Corp Pty Ltd)

2003–2005 *Network Engineer, Senior Unix Administrator*

Responsibilities & Achievements

Infrastructure team lead, responsible for design and implementation of the J-Corp network and systems infrastructure. Key components include routing between regional sites and connection to WAIX (Western Australia Internet Exchange), hardware procurement, server-builds, router/switch configurations, IT-staff training and technical documentation.

Implemented an AD to OpenLDAP connector and migration to consolidate the user database and reduce administration overhead.

Administered the UNIX, Linux, and Windows servers and services.

Developed the J-Corp Intranet (news portals, online-documentation repository, J-Corp/BGC phonebook system)

Informed Technology (Westnet)

2000–2003 *Network Engineer, Unix Consultant*

Responsibilities & Achievements

Deployed networking solutions and provided onsite technical support.

Replaced or integrated Microsoft-based servers and services with open-source (GNU, Linux) counterparts.

Migrated Exchange 5.5 to Exchange 2000.

Implemented firewalls and IDSs, and carried out vulnerability testing.

Performed data recovery from faulty hardware.

Education & Certifications

2009 Masters program (UNSW) Digital Security, Artificial Intelligence
2009 Completed BSc in Computer Science (UNSW/Curtin University)
2006 RHCE, ISEB (ITIL)
2005 Computer Science (Curtin University WA – Continued at UNSW)
2001 Chemical Engineering (Curtin University WA – Altered after 3rd year)
2000 CCNA
1997 Awarded membership to the Golden Key National Honour Society

<http://www.autonomy.net.au/download/attachments/688141/cv.pdf> - Last updated June 23, 2010