

MARCO MARONGIU

Experience and Skills

Degree in **Mathematics**, score **110/110**; thesis in **Numerical Analysis** "Compression of digital images using B-Splines"; 1997.

Long experience on UNIX Systems Administration (mainly Solaris, Linux, HP-UX, Irix, AIX) and in configuring services and applications; working experience with Windows and database administration (MySQL, PostgreSQL, some Oracle). Experience in Network Administration.

Known languages: **Italian:** mother tongue; **English:** fluent (excellent technical English); **French:** understanding of written and spoken

Member of the **USENIX** association and **SAGE** (USENIX's Special Interest Group for Sysadmins, formerly known as System Administrators Guild Exchange).

Current main areas of interest: Service Oriented Architectures (SOA), high-available fault-tolerant systems, configuration management, automation, XML-related technologies, web services applications in system administration

Professional Experience

May 2008 – now: President of the ApritiSoftware association.

2004 – May 2008: Member of Board of the ApritiSoftware association.

2003 - now: I am **System Administrator** for **Tiscali**, an European **Internet Provider**, in the Corporate IT Systems Management group.

Administrator of the TIBCO middleware installation (production and development environments) running on a Red Hat cluster in support of FC SAN-based GFS filesystems; on-call duty 24/7 for the production environment since October 2007.

Coordinator of the activities related to the deployment of the Integration Environment of the UNIT2 project

Managing tutor of shifts staff: from June 2005 to June 2006 I was the tutor of a group of 5 people performing 24/7 service, 1st line support for our group. I also had some manager tasks, like modifying the shifts according to service needs, approving holidays and communicating with our HR department about their job.

NTP synchronization infrastructure: I designed our NTP infrastructure. It is now running since the beginning of the year 2004 and **never had a step change**.

storage management: I collaborate with the internal team that manages our **NetApp** filers. I also set up a **web site** for the group using XML, XSP and the AxKit Application Server for Apache; the web site includes **monitoring services** and **management applications**.

administering the application servers of SiteStats, the application that creates Tiscali's web portals **access statistics** (service phased out during May 2008)

My job also includes: **programming** Perl utilities; **management** of other services like DNS, DHCP, SMTP, cfengine and such; **writing technical documentation** for services I manage; **training** colleagues; **supporting** internal users. **On-call duty 24/7** in rotation with other people in staff.

1995 – 2003: **CRS4 Research Center** (Center for Research, Development and Advanced Studies in Sardinia):

1999 - 2003: System and Network Administrator. Main duties:

System administration: managing UNIX workstations and servers (Linux, SUN Solaris, HP-UX, SGI Irix, IBM AIX). Managing SMTP, POP, IMAP, LDAP, DNS, NIS, NFS and automount, SMB, web, NTP, Printing services.

Network Administration: switches and firewall configuration. I also redesigned the IP addressing of CRS4 network when it moved to its new seat in Pula, focusing on routing rationalization.

Programming of web interfaces for both **user support** and **services administration**. Programming **system management** scripts.

user support, training

2000 – 2002: Co-supervisor in three graduation thesis in Computer Science developed by CRS4 stagist students from the local University.

1995 - 1998: Consultant: tutor in Literacy Courses about Internet for upper-schools students, responsible for free software and public domain software renewal.

1998: during my Civil Service: in a local school

trainer in Computer Science Literacy Courses for teachers

implementation of a 10-host **Intranet** (nine Windows 95 clients and an old i386 Linux Server for SMTP, mailbox, file sharing and printing services)

1997: lecturer in the four-seminar cycle: “**Means and instruments of Internet**”, organized by the local section of AIRO (**Italian Association of Operating Research**), Università di Cagliari.

1996 – now: co-founder of our local **Linux Users Group** (GULCh); **group coordinator** for many years; **leader** of internal teams, especially the one dedicated to **seminars organization; web master** of two websites of the group dedicated to seminars and Linux Day, made using AxCKit

1995 – now: Freelance Technical Writer, writing for Pluto Journal, Gruppo Editoriale Infomedia, Sysadmin Magazine, Free Software Magazine.

Other experience: webmaster, system administrator, CGI programmer, Computer Science teacher.

Publications

Articles in Italian and English, ranging from entry- to expert-level, about: **System Administration, Web-related technologies, Perl programming** for:

- SysAdmin magazine (CMP media LLC, San Francisco, USA)
- Free Software Magazine (The Open Company Partners Inc., Delaware, USA)
- Login, Dev, Computer Programming (Gruppo Editoriale Infomedia, Ponsacco, Italy)

Internal documentation for Tiscali and CRS4.

A full list of publications is available upon request.

Courses, Stages, Conferences

2007:

Course “**Cisco MDS configuration and troubleshooting**”, by Global Knowledge.

Course “**TIBCO BusinessWorks 5.x Administration Boot Camp**”, TIBCO Educational Services.

Custom course “**TIBCO Enterprise Message Service 4.x and TIBCO Hawk Administration**”, TIBCO Educational Services.

2004: Course “**Oracle 9i DBA Fundamentals**”, SUN Educational Services.

2003: Courses “**SunCluster 3.1**” and “**SunFire 15K Server Administration**”, SUN Educational Services; course “**Interconnecting Cisco Network Devices v2.0**”, by AZLAN, Rome.

2001: Course “**Internetworking for IP Networks: Advanced Topics**”, by TEACH, Rome. Topics: protocols, network topologies, network devices, multi-protocol networks.

1999: Course “**LSF Administration Training**”, by NICE (Italian partner of Platform Computing), Scuola Normale di Pisa. **Open Source Software Convention**, Monterey, CA, USA (four tutorials attended)

1995: AICA'95 Conference, Chia, Sardinia, Italy. Student Volunteer. (AICA is the **National Association for Computer Science**).

Personal information

Home address:

Via Papa Giovanni XXIII, 20/B
09033 DECIMOMANNU (CA)
ITALIA

e-mail: marco_D O T_ marongiu_A T_ aol_D O T_ it

LinkedIn profile: <http://www.linkedin.com/in/marcomarongiu>

Born on March 17, 1971 in Carbonia, Sardinia, Italy. Married with Laura.

Compulsory national military service accomplished.

Note: publications titles and course/conference names have been translated in English for readability.