

Marc DEQUÈNES

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Birth Date: May 18th, 1977

Nationality: French

<https://www.duckcorp.org/>

Free Software and System Architect

EXPERIENCES

since 2016

2 years

Senior Community Sysadmin at RED HAT, Japan

System Administrator for communities in the Open Source and Standards (OSAS) team

- ▷ Member of the RDO and oVirt Infra teams, providing counsel and assistance
- ▷ Participation to the Community Cage project, providing datacenter housing to various communities (CentOS, Fedora, Gluster, Ceph...)
- ▷ Leading the Open Source Community Infrastructure (<https://www.osci.io/>) project, helping communities (Minishift, Gnocchi, OpenJDK, Pulp...) with shared services (DNS, MX, NTP, tickets), hosting (VMs), and infrastructure design
- ▷ Advocating Open and Secure Infrastructures using reproducible and self-documenting tools like Ansible, quality using CI and validation/tests
- ▷ Encouraging technical and decision making openness, collaboration inside Red Hat and with the communities
- ▷ Certifications: [RHCSA in 2016](#), [Specialist in Ansible Automation in 2017](#)

2010-2016

5.2 years

Senior Consultant at DEVOTEAM / UPERTO, Paris

- ▷ Complete supervision redesign with ticketing bridge and business portal, specifications, foundations development, in charge of leading two developers, English as main language
- ▷ Secured mailing service audit, feasibility study for needed evolutions, specifications, in charge of leading a developer and delivery quality, development continuation
- ▷ Design of automation tools used for supervision and capacity planing in a network operator infrastructure (RAN devices...), lead developer
- ▷ Monitoring system audit, PoC designed to evaluate a previously identified product (Zabbix)
- ▷ Design and implementation for secured gateways used on a network operator to isolate production devices from (remote)-technicians (SSH bounce / jail, TACACS, proxy, logging)
- ▷ Configuration management tooling audit, client needs and state of the art confrontation, guidance to choose the future tooling, recommendations (migration, best practices)
- ▷ Pre-sale counseling on several occasions

2007-2010

3.5 years

System/Network Administrator and Release Manager at PROFORMATIQUE, Paris

Responsible of the Proformatique internal infrastructure and clients architectures using Free Software, responsible of the (Free) software developments industrialization in the company

- ▷ Overhaul of the internal network and hosting infrastructure (PI IPs, VLANs, redundancy, supervision)
- ▷ Software products industrialization: releases, maintenance branches, Debian packaging, repository, builds and automatic installations
- ▷ Maintenance and reorganization of the mutualized hosting platform: internal services isolation from the client platform, software migration, security improvements
- ▷ Client architectures design and implementation: network reorganization, migrations towards Free software, security improvements
- ▷ Internal or client-specific tooling developments: XMMP botnet used in the industrialization chain, tool for secured client site access...

- 2004-2007
3 years
- Information System Manager/Developer** at NERIM, Paris
Responsible of the IS production and developments (based on Free softwares) and in charge of a developer since November 2004
- ▷ IS overhaul using Free softwares: organization (versioning, releases) and architecture (object programming, SQL abstraction, graphic toolkit, automatic documentation generation)
 - ▷ Design and implementation of private architecture offers (autonomous client interface for account management, automatic network devices configuration, billing chain)
 - ▷ Logistic component redesign: statement of requirements and implementation for stocks and inter-partners exchanges, developments based on Free softwares (NuSOAP, Spyc)
 - ▷ Hotline tooling design and implementation: link between network operators tickets and our internal CRM (Request Tracker), lines diagnostic, eligibility and orders information
- 2000-2003
- Engineer's Degree** at EPSI, Paris
- ▷ Network architectures, UNIX, databases, Artificial Intelligence, ASM x86/C/C++/Pascal/Lisp
 - ▷ Internship at Cap Gemini / TMN, Thales Communication, SNECMA

PERSONAL PROJECTS

<p>DuckCorp <i>since 2000</i></p>	<p>Founder and main administrator https://www.duckcorp.org/ <i>Non-profit service provider aimed at individuals and associations</i></p> <ul style="list-style-type: none"> ▷ System and network administration, hosting management, using Free softwares with contributions (patch, packaging) ▷ Services: mail/Web hosting, DNS, IPv6, VCS, bug tracker, DB, web tools (feeds, contacts, calendars...), public NTP, IRC, XMPP...
<p>Debian <i>since 2001</i></p>	<p>Official developer since 2005 https://people.debian.org/~duck/</p> <ul style="list-style-type: none"> ▷ Packaging, upstream patches, documentation ▷ Team projects (Ruby Team, GNU/Hurd Porters, Games Team) ▷ Mentoring young contributors
<p>Fedora <i>since 2017</i></p>	<p>Official Packager https://src.fedoraproject.org/user/duck</p> <ul style="list-style-type: none"> ▷ Packaging, upstream patches, documentation
<p>Free Software Community</p>	<p><i>attending conferences and workshops to self-train and collaborate with other contributors</i></p> <ul style="list-style-type: none"> ▷ FOSDEM, Configuration Management Camp, DevConf.cz, Debian Benkyōkai Tōkyō, (mini-)DebConf, Ruby World Conference...
<p>HurdFr <i>2003-2016</i></p>	<p>co-secretary from 2004 to 2016</p> <ul style="list-style-type: none"> ▷ Packaging and upstream fixes (buildsys, POSIXness) ▷ System administration: association's websites and tooling maintenance

FUNCTIONAL SKILLS

Conception/Analysis	Software, system, and enterprise network architecture, infrastructure audit, hardware specifications, standards and interoperability in mind
Needs Analysis	State of requirements, evolution or migration study, state of the art
Quality and Support	Technical lead, quality control, security audit, technical counseling

TECHNICAL SKILLS

OS & Virtualization	Debian/Ubuntu/Fedora/CentOS/RHEL (+packaging), libvirt/KVM, VirtualBox, LXC/LXD, PXE/preseed
System	<u>Ansible</u> (RH certified), <u>DNS</u> (Bind), DHCPv4/6 (dhcpd, dibbler), NDP (radvd), NTP
Storage	LVM, NFS
Development	Ruby, Python, Perl, C/C++, shell, YAML, HTML/CSS, <u>git</u> , <u>Redmine</u> , <u>X_qLaTeX</u>
Databases	PostgreSQL, MySQL, SQLite, OpenLDAP (directory)
Messaging	<u>Postfix</u> , ClamAV, <u>DSPAM</u> , Amavis, SpamAssassin, Mailman 2/3, <u>Dovecot</u> , SIEVE, XMPP, IRC
Web	<u>Apache</u> , Squid, Passenger
Supervision	Zabbix, Smokeping, SNMP
Security	SSH (+SSHFP), TSIG/DNSSEC/TLSA, LDAP auth, OpenSSL, GPG, fail2ban
Network	firewalling (netfilter/iptables), tunnels (OpenVPN, GRE, 6in4), advanced routing (iproute), LAN switches/routers (HP Procurve, CISCO 2960G)

LANGUAGES

French	mother tongue
English	fluent (TOEIC level: 875, everyday use in my work environment and with friends)
Japanese	elementary level (self-taught, regular practice)