

Nicolas VION

DEVOPS ENGINEER - ARCHITECT IT

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Experience

Oxalide

Paris, FR

Avril 2016 - NOW

DEVOPS ENGINEER - AGILE METHODS

- Design, deployment and configuration of High Availability Web Platform on Unix and Linux.
- Design, deployment and configuration of Auto-Scaled High Availability Web Platform on AWS with Chef and Terraform.
- Design, deployment and configuration of an ELK Cluster (11 nodes) on Azure with Chef and Terraform.
- Design, deployment and configuration of a High Availability Web Platform on Azure with Chef and Terraform
- Design, deployment and configuration of a High Availability Web Platform on OVH Public Cloud with Chef.
- Design, deployment and configuration of a High Availability Kubernetes Cluster with Docker.
- Creation, deployment and maintenance of Chef Cookbooks
- Audit, troubleshooting and improvements of existings platforms - Benchmarks with Gatling, Octoperf

IPGarde

Valence, FR

Septembre 2012 - Mars 2016

SYSTEM AND NETWORK ENGINEER

- Design, deployment and configuration of High Availability Web Platform on Unix and Linux.
- Deployment, configuration and maintenance of BGP/OSPF Routers.
 - Quagga (IPv4 with Keepalived), Juniper (MX5 - MX104), Bird (IPv4/IPv6), OpenBGPD (IPv6 with CARP).
- Deployment, configuration and maintenance of Firewalls.
 - FortiGate, Pfsense, Peplink, Cyberoam.
- Deployment, configuration and maintenance of Juniper Clusters.
 - Juniper EX2200, Juniper EX4200, Juniper EX4500, Juniper EX4600.
- Deployment, configuration and maintenance of VMWare Clusters.
- Deployment, configuration and maintenance of NAS / SAN solutions.
 - DataCore, FreeNAS, QuadStor.
- Deployment, configuration and maintenance of a Backup Solution (Veeam, Ahsay).
- Deployment of a monitoring solution based on severals open source technologies (Nagios, Observium, Cacti, MRTG).

Netissime (ELB)

Lyon, FR

May 2011 - August 2012

SYSTEM AND NETWORK ENGINEER

- Design, deployment and configuration of High Availability Cluster Platform based on KVM and XEN solutions.
- Design, deployment and configuration of an Automated Solution based on Network Boot (PXE).
- Deployment, configuration and maintenance of Email Platform.
- Deployment, configuration and maintenance of Cisco Switches.
 - Cisco 2950, Cisco 2960.
- Deployment, configuration and maintenance of a Backup Solution (Idera | R1Soft).

DotRiver

Lyon, FR

Sept 2008 - May 2011

SYSTEM AND NETWORK ENGINEER

- Deployment, configuration and maintenance of Linux Servers.
- Deployment, configuration and maintenance of a SAN Solution based on ISCSI + OCFS.
- Migration of Linux Physical Servers to (KVM) Virtual Machines.

Projects

Personal Project

Paris, FR

Mars 2016

INDEPENDENT PROJECT [HTTPS://NICOLAS.VION.SCIENCE](https://nicolas.vion.science)

- Creating a Full Automated Web Platform with
 - KVM - Virtualization
 - IPTables Firewalls
 - SSL Offloading with Haproxy and Caching with Varnish.
 - Website with Nginx - Pelican - Sphinx.
 - Mail Server with Dovecot - Postfix - Spamassassin - Amavisd.
 - Monitoring with Nagios - Grafana - InfluxDB - Telegraf.
 - Logs analysis with ELK.
 - Deployment with Ansible - GitLab - Capistrano - Jenkins.

Skills

Operating systems:	Linux (Gentoo, Debian/Ubuntu, RedHat/CentOS), FreeBSD, OpenBSD, NetBSD, Windows Server
Programming languages:	Shell, Python, Ruby, YAML, JSON, XHTML/CSS, PHP, SQL, C/C++
AWS:	CloudFront, ELB, ALB, EC2, Elasticache, RDS, EFS, S3, ASG, Codedeploy, TerraForm, CloudFormation
Azure:	Azure Application Gateway, Traffic Manager, Instances, VPN, Virtual Network, Terraform
OVH:	Public Cloud, Vrack, IP Loadbalancing, API
Virtualization:	VMWare ESX(i), KVM, XEN
Containerization:	Kubernetes, Docker, OpenVZ
Web servers:	Apache, Nginx
Web caching:	Varnish
HA:	Haproxy, KeepAlived, Heartbeat
SQL:	MySQL/Percona, Galera Cluster, PostgreSQL
NoSQL:	Memcached, Redis, Elasticsearch, MongoDB
Queuing:	RabbitMQ
DNS:	BIND, Unbound, PowerDNS
Mail:	Postfix, Dovecot, Amavisd/Spamassassin
Firewalling:	IPTables, PF, FortiGate, CyberRoam, Cisco ASA
Network:	Juniper (Layer 2&3), Cisco (Layer 2&3), VLAN, BGP, OSPF, MPLS/VPLS, VRRP
VPN:	OpenVPN, IPSEC, FortiVPN
Automation:	Terraform, Packer, Chef, Ansible, Puppet, Capistrano
Benchmark:	Locust, Gatling, Octoperf
SCM:	Git, SVN
SCM platforms:	GitLab, GitHub
Monitoring:	Nagios, Centreon, Grafana, Cacti, Icinga, Observium, Munin, PRTG
Backup:	BackupPC, Simpana / Comvault, Veeam
Storage:	FreeNAS, QuadStor, DataCore, NetApp
Methodology:	Agile, Kanban

Education

Amazon

AWS CLOUD SERVICES

- Installation and configuration of a basic High Availability Web Platform with Terraform.
- AWS Certified Solutions Architect : Januray, 25th 2017

Paris, FR

2016

SNOM

SNOM (SCE CERTIFICATION)

- Installation and configuration of SNOM VOIP Phones + Certification.

Lyon, FR

2015

Rezopole

BGP (Cisco)

- Deployment, configuration of Cisco (BGP (IPv4 - IPv6)) Routers.

Lyon, FR

2014

Global Knowledge

VMWARE VSPHERE / VMWARE HORIZON VIEW

- Deployment, configuration of VMWare Cluster and VDI Platform.

Lyon, FR

2014

EDX Network

BGP / OSPF (QUAGGA)

- Deployment, configuration of Quagga (BGP (IPv4 - IPv6)) Routers.

Lyon, FR

2012

Global Knowledge

JUNIPER EX SERIES

- Deployment, configuration of Juniper Clusters.

Lyon, FR

2012

University of Lyon 1

UNIVERSITY OF TECHNOLOGY DIPLOMA

Lyon, FR

2008