

Vincent Gallissot

Systems, networks and cloud architect

Lyon, France

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A dynamic and self-motivated Cloud and Linux administrator. Likes working in teams to solve difficult problems and automate complex infrastructures with Infrastructure As Code tools. Supports also GitOps and DevOps cultures that put human talents back at the forefront.

Work experience

Jan 2019 - **Lead Ops**, *Bedrock*, Lyon (France), SRE team (6pers).

Current My team is responsible for the cloud and on-premise core infrastructures. Over than 35 million users benefit from these infras, as do our 250 tech colleagues at Bedrock.

- Recruitment and onboarding of 6 people in the middle of the COVID19 epidemic (out of 50 interviews)
- Adaptation of the team and my management from the pre-COVID to a full remote and restrictions
- Construction of a scalable, high-performance and cost-effective video distribution platform (10k rps with 120ms 95th percentile, full Spot)
- Launch of [salto.fr](#), a platform with +10.000h of VOD programs (restricted preview & its micro-services, separate AWS accounts)
- Moving from a multi-tenant platform to several instances each composed of multi-tenants
 - Using terraform workspaces to industrialize efficiently about twenty AWS accounts
 - Centralizing the logs and metrics of all accounts
 - Setting up generalized security policies
 - Ending up with fully isolated customers platforms, but automated, facilitating the chain of deployments and developers use
- [Stabilizations of Kubernetes](#) to accommodate tens of thousands of pods on hundreds of nodes
- Terraform to control AWS, GCP or Fastly resources (+100K lines of code, multiple AWS regions)
- FinOps to reduce costs as much as possible
- Migrating a large number of microservices to Kubernetes on AWS:
 - Without downtime, [see blogpost about it](#)
 - By constantly adapting our configurations (autoscaling, overprovisionning)
 - By adding a lot of tools to Kubernetes (Victoria Metrics, HAProxy Ingress, Loki, SPOT handler)
 - On 100% SPOT worker nodes
 - Also spending a lot of time repairing Kubernetes failures (NAT, DNS and many more)

Jun 2017 - **Networks and systems architect**, *M6Web*, Lyon (France), SRE team (6pers).

Dec 2018 I worked on the microservices architecture behind several RTL group's streaming websites ([www.6play.fr](#), [www.rtlmost.hu](#), [play.rtl.hr](#), [www.rtlplay.be](#)). We use Kubernetes inside AWS cloud platform to keep scaling.

- Creating our new cloud infrastructure on AWS:
 - Coding that Infrastructure with Terraform
 - Kops to manage our multiple Kubernetes clusters
 - Migration of our apps from on-premise to kubernetes on AWS (with Helm and Terraform)
 - User management with SSO and IAM roles between all our accounts
- PoC of Spinnaker and Jenkins-x, using the Google Kubernetes Engine
- Global optimizations to handle the migration from our french platform to a european one
- Migration of all our public-facing webservers from Varnish 3 to 4
- Adoption of SCRUM methods for the SRE team

- Jun 2015 - **Linux Systems Administrator**, *PEAKS for M6Web*, Lyon (France), SRE team (4pers).
- Jun 2017 In the infrastructure team, I helped developers creating the best for www.6play.fr, the Catch-up TV website of TV channels (M6, W9, Teva...) by providing them the needed infrastructure tools, autonomy on deployments, Continuous Integration, etc.
- Build/run M6Web infrastructure:
 - 400+ physical and virtual servers in 2 datacenters, 200Gbps IX
 - Ecosystem of 150+ private/public github projects (PHP7, Symfony3, Node.js 7+)
 - Build/Run IPTV platforms used by 6play's applications over ISP boxes
 - Build/Run broadcast platform (10+ channels) via Akamai CDN, SFR CDN, Elemental products
 - Maintain Continuous integration platform (Jenkins + Docker slaves, PoC Travis)
 - Automation with Ansible 2, Puppet 3, Capistrano 2
 - DevOPS tools for developer autonomy via Bash, Python, Ruby
- Oct 2013 - **Linux team leader**, *Business & Decision Eolas*, Grenoble (France), Linux team (5pers) of the
- May 2015 Hosting pole (40pers).
- Eolas provides hosting solutions, including Linux, of which we were 5 to manage services for all customers (1500 servers).
- Datacenters industrialization (audit tools/working methods)
 - Build and run High-Availability infrastructures (Debian, RedHat)
 - Write operating files
 - Servers administration (Apache, Nginx, MySQL, Hybris, Node.js, Hadoop)
 - Team management (ITILv3 certified)
 - Internal projects management (Antidot, Ansible, Forge, Repositories, Scripts)
 - Linux support (level II)
- Sep 2011 - **Linux systems administrator**, *INRIA*, Montbonnot (France), NSA team (9pers).
- Sep 2013 In a public computer and automatic research center, I managed the Linux equipments: desktops, laptops and servers, from installation to service configuration to day-to-day maintenance.
- Puppet3 implementation (200 machines)
 - Puppet : internal training, documentation drafting
 - Automated installation infrastructure (PXE, Kickstart, Preseed, YUM)
 - Fedora workstations administration (+110 users)
 - 90 CentOS servers administration (including 75 Xen VMs)
- Sep 2010 - **Systems and networks administrator**, *Enigmatic*, Montbonnot (France), 5pers.
- Sep 2011 I worked as a duo, managing the computer equipment of several clients, ranging from a few employees to a group of a hundred people.
- Websites hosting (Apache, MySQL with master-master replication)
 - Emails servers administration (Postfix), DNS (Bind) under Debian
 - Client's new agencies configuration (nomad/site to site VPN, Firewalls)
 - 100 workstations park full migration (team work)
 - Hyper-V virtualization under Windows 2008 R2
 - Microsoft Exchange under Windows 2003 and 2008 R2
 - Active Directory domains junction and domain controller migration
 - Microsoft ForeFront TMG and ISA 2004 Firewalls

Conferences

- 2020 *Spectator*: QCon London
- 2019 *Speaker*: [M6 Open meetup Lyon](#) / [Peaks meetup Lyon](#) / [HAProxy Conf Amsterdam](#) (watch ►)
- 2019 *Spectator*: QCon London / KubeCon + CloudNativeCon Barcelona
- 2018 *Spectator*: KubeCon + CloudNativeCon Copenhagen / DotScale Paris / AWS Re:Invent Las Vegas
- 2017 *Spectator*: O'Reilly Velocity London / DotScale Paris

Education

- 2011 - 2013 **Master's degree**, *Grenoble INP*, Grenoble (France), Sandwich course at INRIA.
Master thesis : How to change of configurations management tool? (ITIL v3 concepts)

2010 - 2011 **Bachelor's degree**, *University of Montpellier 2*, Béziers (France), Sandwich course at Enigmatic.

Languages

French Native

English Business fluent: TOEIC 880 (2019), BULATS B2 (2012)

Interests

- Alpine skiing
- Cycle (preferred means of transportation)
- Board games
- Climbing (mostly Lead, a little of boulder)
- Hiking