

Jeff Hemmen

A driven and earnest person with an analytical mind, zeal for doing things right, and an obsession with abstraction and scalability.

TOP TECHS: Security | HashiCorp (Terraform | Vault)
Linux | Networking | Ansible | Cloud | Python

EXPERIENCE

- CISO and Lead DevSecOps at national AML/CFT intelligence agency.
- Security incident handling, upstream reporting, and documentation.
- Sectors: public, intelligence, finance, FinTech, computer chip design.
- Consultant representing AWS, HashiCorp, ECS, and digitalis.io.
- Writing Infrastructure as Code (Terraform) (cloud, on-premise).
- Configuration management (Ansible, Puppet, cloud-init).
- CI/CD pipeline development (Git servers, Jenkins, Rundeck, ArgoCD).
- Secrets management (HashiCorp Vault, HSM, cloud KMS).
- Navigating complex legal, regulatory, compliance, and governance review boards and frameworks, as-needed and proactively.
- Monitoring and alerting (Consul, ELK, Prometheus, Grafana).
- Solid UNIX knowledge (RedHat and Ubuntu).
- Cassandra/DSE design, installation, tuning, scaling, and operations.
- Kafka/Confluent design, installation, tuning, scaling, and operations.
- Rapid and reproducible proof-of-concept deployments of emerging technologies.
- Network design, troubleshooting, and configuration.
- Containerisation of existing applications (Docker).

ACHIEVEMENTS

- Architected and oversaw implementation of multinational secrets management platform, including all aspects such as governance, compliance, security, scalability, high availability, networking; for an international stock exchange group (HashiCorp Vault).
- Designed and set up cloud infrastructure for startup client from scratch. This includes VMs running a DSE cluster, permissions, networking and firewalls, a site-to-site VPN, and a monitoring suite; all in two identical environments. (Azure, Terraform+Ansible)
- Deployed monitoring environment in heavily regulated environment from scratch (Ansible).
- Complete datacentre migration, esp. database migration with minimal down-time (PostgreSQL).
- Engineered and carried out plan to prevent SQL database from running out of space with minimal downtime. (Linux, PostgreSQL)
- Setup of complete office network (PPPoE, routing & iptables, DHCP, DNS, VPN, WiFi).

1. <https://secretsofvault.com/>

2. <https://medium.com/ecs-digital/managing-your-consul-cluster-with-terraform-9b72c3f5ac6e>

3. <https://www.youtube.com/watch?v=Ei8kzyGTonw>


4. <https://www.youtube.com/watch?v=S4lgDMfCb4w>


5. <https://medium.com/ecs-digital/terraform-refresh-is-deprecated-fd3418552da2>

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Languages

LB | DE | FR | EN | (IT)

CERTIFICATIONS

see credly.com/users/jeff-hemmen

AWS Certified Solutions Architect – Professional
Certified **Kubernetes** Administrator (CKA) & Application Developer (CKAD)
Certified Ethical **Hacker** (CEH)
HashiCorp certified:
· in Terraform, Vault, Consul
· as Instructor
· as Implementation Partner (CHIP)
· as Exam Contributor
VMware Certified Professional - Application Modernization

PUBLICATIONS

- Contributor to the book **The Best Kept Secrets of HashiCorp Vault**¹
- "**Managing Your Consul Cluster with Terraform**", Medium.com², featured on HashiCorp website
- "**DevOps Playground: Hands-on with Terraform Cloud**", meet-up & YouTube³" Virtual DevOps Playground
- **Hands-On Service Mesh with Consul Connect**", YouTube⁴
- "**terraform refresh` is deprecated**", Medium.com⁵

KEY SKILLS

- HashiCorp stack
- AWS stack
- Kubernetes, Docker
- Jenkins, GitHub Actions
- DC/OS, Mesosphere
- Ansible, Puppet
- Python 3, Bash, Go
- Networking (layers ≥3)
- HTTP, TLS, Rest APIs
- Linux
- Security, monitoring all the above

