

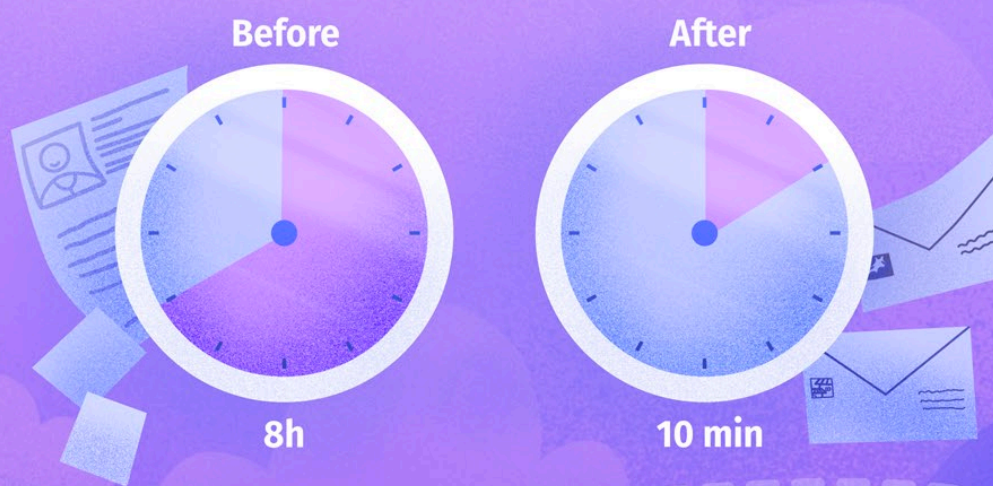
Secure and Cost-Effective Infrastructure to Provide One-Click Deployment for GlassWall Solutions Ltd.



GlassWall Solutions has developed a disruptive, innovative and groundbreaking security technology which provides unique protection against document based cyber threats. GlassWall's deep file inspection, remediation and sanitisation solution delivers real-time protection from unknown, file-borne threats to organisations worldwide.

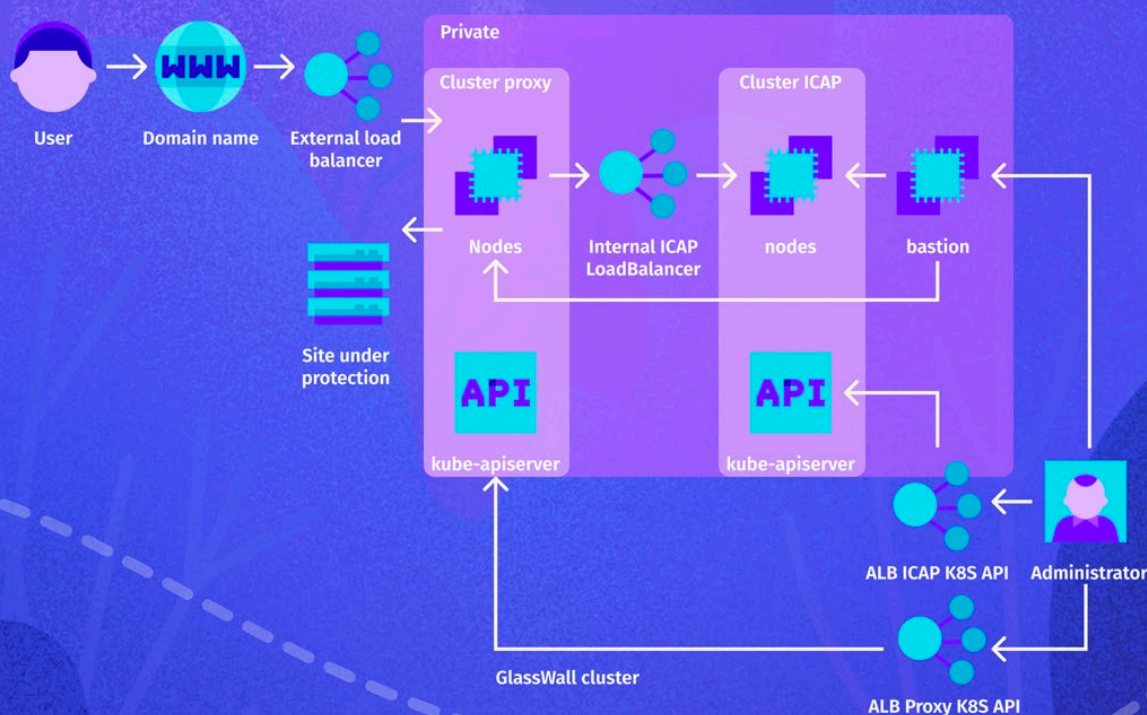
The partnership

In February 2021 GlassWall decided to give up slow, inefficient, manual deployment, and turned to IT Svit with the proposition to create secure infrastructure to provide fast, automated deployment. As a result, GlassWall got a one-click deployment infrastructure of multiple independent Kubernetes clusters in the scope of AWS cloud. This reduced the deployment time from 8h to 10 min, boosted GlassWall Solutions' performance, customer satisfaction, and allowed to slash costs.



What did we do?

- 1 Following the Infrastructure as Code (IaC) approach, developed infrastructure to make change management simple, transparent, clear, and decrease the troubleshooting time.
- 2 Developed a new AWS and VMWare ESXi infrastructure architecture for fast, automated, and cost-effective deployment.
- 3 Created an automated fleet of single-node, flexible Kubernetes clusters that could be launched in many copies with minimum configuration changes.
- 4 Refactored manifests and helm charts to make the deployment configuration process easier.
- 5 Implemented a DHCP server for automated management of IP address leases in the VMWare ESXi environment.
- 6 Supported GlassWall's team with tech documentation.



Technologies used



Terraform + CloudFormation+AWS + Helmfile + Helm + Kubernetes

IT Svit is all about helping our partners achieve the business objectives through sharp technical performance and reduced operational and development costs. To fulfill this daring goal we provide a full range of DevOps services including CI/CD services, IaC services, GCP/AWS/MS Azure infrastructure architecture design, DevOps transformation, DevOps consulting and many others. Feel free to share any questions, comments or [contact us](#) to describe your project.