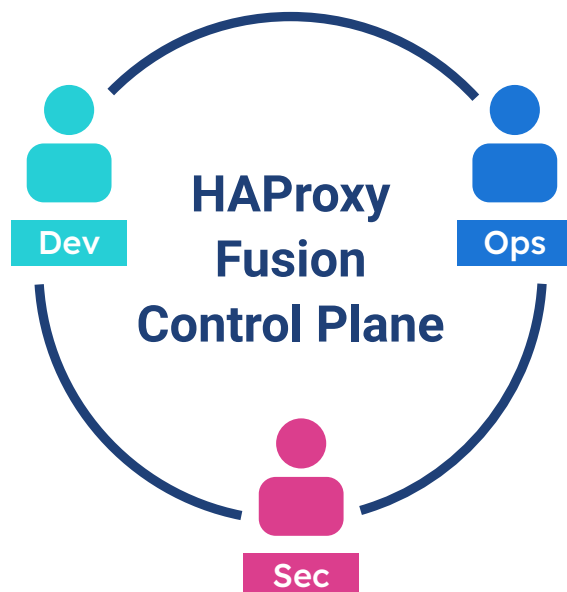


HAProxy Fusion Control Plane

Manage all of your HAProxy Enterprise instances from a single, graphical interface or directly through its API.

To stay competitive, companies today must deliver software faster than ever before. Many have adopted a philosophy known as DevOps, which aims to break down barriers between development and operations teams to quickly identify bottlenecks in the end-to-end software delivery pipeline. While DevOps promotes tools that help automate, secure, and monitor steps in that pipeline, often those tools become the sole responsibility of a single group, diminishing the impact of DevOps.

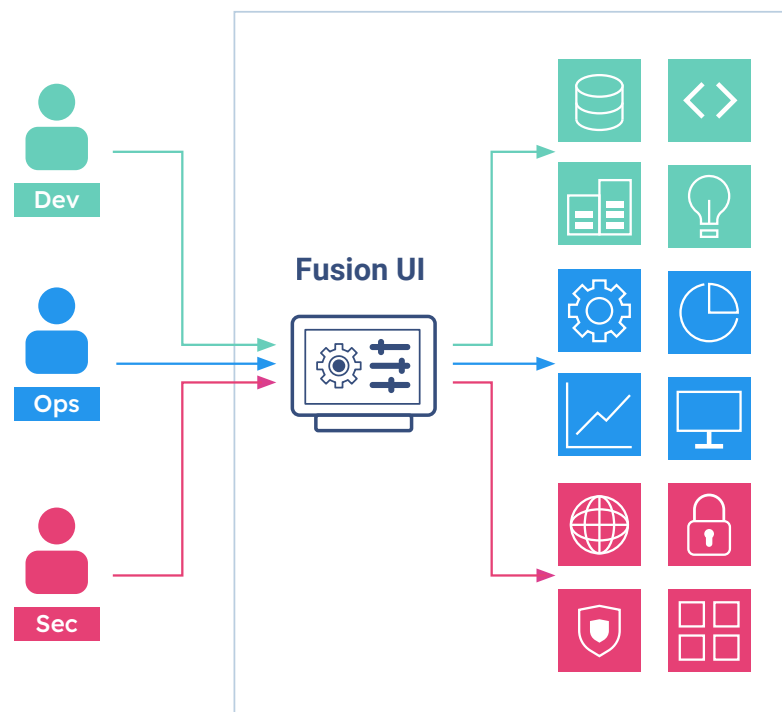


Load balancing is a conspicuous example. Load balancing is essential for exposing new applications on production IP addresses, but because it requires knowledge of the network, it nearly always falls upon a centralized Ops team to manage. Other teams must open a ticket when they need to load balance a new application.

This type of inertia can lead to Shadow IT, where team members bypass Ops completely and deploy infrastructure themselves in the cloud. This puts proper adherence to security and compliance policies at risk. What we need are solutions that serve all groups in ways that fit their unique goals.

HAProxy Fusion Control Plane bridges the gap

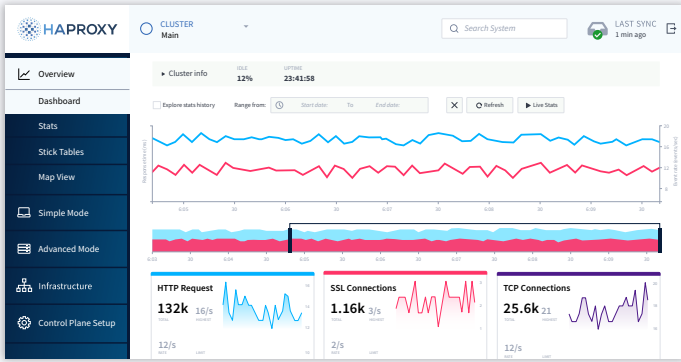
HAProxy Fusion Control Plane is a rich graphical interface for managing a fleet of HAProxy Enterprise instances.



Dev teams can use it to route traffic to their applications without waiting on Ops, and they can integrate its API into continuous delivery pipeline.

Security team can configure the Web Application Firewall and other security measures that cover every load balanced app.

Ops teams can use it to manage the structure of their load balancing tier, adding load balancer instances, installing SSL certificates, and tuning performance settings.



The screenshot shows the 'Add New App' configuration page. It has a sidebar with 'Simple Mode' selected. The main area is titled 'Add New App' and 'Frontend and Binds'. It includes a 'Name (required)' field, an 'App Mode' dropdown set to 'HTTP', and an 'HTTP Connection Mode' dropdown set to 'http-keep-alive'. There are also sections for 'Default Backends' and 'Conditional Backends (optional)'. A table for 'Binds' shows a 'default_listener' bind with address '0.0.0.0' and port '80'. Buttons for 'Add New Bind' and 'Upload New SSL Certificate' are at the bottom.

Fleet management

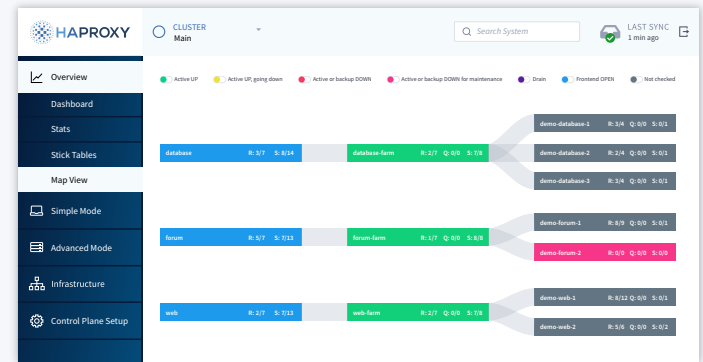
Connect to and manage HAProxy Enterprise instances using a centralized hub. You can group load balancers into clusters and assign them to different teams. Control instances deployed on-premises or in the cloud.

Self-service

Fusion gives your App developers Load-Balancing-as-a-Service. Delegate ownership over application delivery using fine-grained, role-based access control. Versioning ensures that multiple users can make updates safely.

The screenshot shows the 'Access Control' page with a table of roles. The table has columns for Role Name, Description, Users, Policies, and Actions.

Role Name	Description	Users	Policies	Actions
Admin	Main administrator	AdminMain	super_user / specification	[edit] [delete] [trash]
Log in	Default log in role	Admin1	GET clusters/*services/haproxy / specification / info / summary	[edit] [delete] [trash]
Security	Main security account	SecurityTeam	GET clusters/*services/haproxy / info PUT clusters/*services/haproxy	[edit] [delete] [trash]
SecOperations	Daily security operations	SecOps	/ specification / info / summary	[edit] [delete] [trash]
Log in backup	Temporary login	LoginBackup	GET clusters/*services/haproxy	[edit] [delete] [trash]



First-class API

With an API at the heart of Fusion, you can easily integrate CI/CD tools with your HAProxy Enterprise infrastructure. Leverage the same capabilities that support the user interface. Create new frontends, backends and servers programmatically while keeping the same access control safeguards.

Security

Implement security measures consistently across your entire fleet of load balancers. The Web Application Firewall, rate limiting, and bot management features deter malicious behavior.

HAProxy Fusion Control Plane Features



Observability

- ▶ The **Map View** visualization shows how requests are being routed.
- ▶ **Live traffic statistics**, including response times, requests rates, error rates, and SSL connections, help you keep tabs on the health of the system.
- ▶ **Status indicators** alert you to the connected status of each load balancer instance.
- ▶ **Audit logging** gives you oversight over configuration changes.



Better DevOps

- ▶ A **feature-rich API** empowers developers to integrate load balancing into their automated workflows.
- ▶ **Role-based access** control permits changes within approved scopes only.
- ▶ Deliberate **workflows** support both Dev and Ops teams.



Centralized Management

- ▶ Group load balancers into named **clusters** for easier maintenance.
- ▶ A **single configuration is propagated across a cluster**, with built-in consistency checks.
- ▶ Deploy Fusion as a single-server installation or use its highly-available, **multi-server setup** for increased redundancy.



High Performance Security

- ▶ The **Web Application Firewall** detects and blocks malicious web attacks.
- ▶ **Flexible rate limiting** rules ensure fair usage of your applications.
- ▶ **Bot management** features reject unwanted bots.

Technical specifications



Minimum specifications
for a single server:

- 8 GB RAM
- 4-Core CPU @ 2.00 GHz or similar
- 40 GB of disk space

Recommended specifications
for a single server:

- 8 GB of RAM
- 8-Core CPU @ 2.40 GHz or similar
- 256 GB of disk space

Supported operating systems:

-  CentOS 7
-  Debian 9
-  RedHat 7
-  Ubuntu 18.04