



REPLACE POUND WITH HAPROXY

EXECUTIVE SUMMARY

New Angle Systems LLC partnered with Innovative Digital Transformation LLC to modernize its reverse proxy infrastructure by migrating from a legacy Pound-based solution to a more efficient and maintainable HAProxy-based setup on Amazon EC2. The engagement focused on improving system performance, enabling centralized monitoring, and aligning the solution with strict security and compliance standards, including SOC 2 and the AWS Well-Architected Framework.

We engaged IDT to modernize our reverse proxy infrastructure, and they exceeded our expectations. The transition from Pound to HAProxy on EC2 was executed smoothly, without any disruption to our production environment.

Their team implemented a secure and scalable solution that gave us centralized visibility and brought our architecture in line with SOC 2 and AWS best practices. IDT's approach was thoughtful, reliable, and clearly rooted in deep AWS expertise. We highly recommend them to any organization looking for a dependable partner to drive secure and efficient cloud modernization initiatives.

Eric Saito - Principal
New Angle Systems LLC

THE CHALLENGE

As part of their continuous improvement strategy, New Angle Systems LLC identified the opportunity to enhance their reverse proxy layer. Their existing setup—based on Pound software hosted on EC2—was functional but had room for improvement of observability and scalability. The company aimed to reduce operational complexity while ensuring the solution met security and compliance expectations. To achieve this, they required a secure migration to HAProxy with the ability to centrally monitor traffic and health, without disrupting production workloads.

IDT SOLUTION

IDT delivered a secure, cloud-based reverse proxy solution by implementing HAProxy on Amazon EC2 instances. The project included:

- A full migration from the legacy Pound software to HAProxy.
- Deployment of a centralized monitoring dashboard for real-time visibility into HAProxy metrics.
- Adherence to SOC 2 requirements and AWS Well-Architected Framework guidelines.
- Use of AWS services including EC2, VPC, CloudWatch, S3, Route 53, and KMS to support performance, security, and compliance.
- A seamless migration process with zero downtime for production traffic.

THE BENEFITS

- Improved infrastructure performance and maintainability.
- Centralized HAProxy monitoring for enhanced observability.
- Stronger alignment with compliance standards and AWS best practices.
- No service interruption during the transition.
- A scalable and cost-effective architecture tailored for future growth.

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