



Case Study

CI/CD Deployments Across 300+ Servers

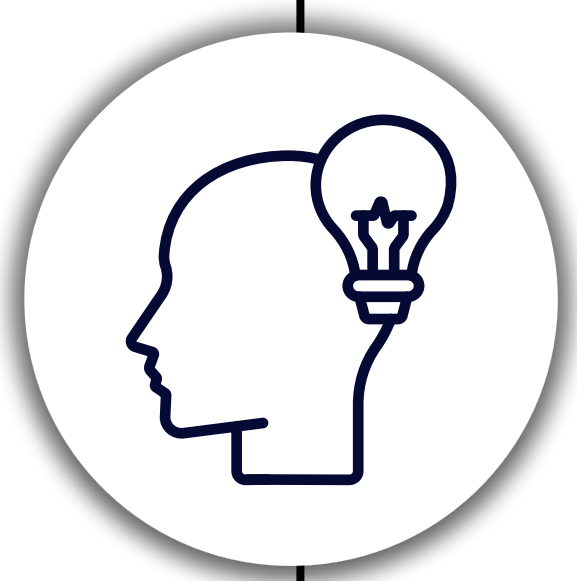


EXECUTIVE SUMMARY

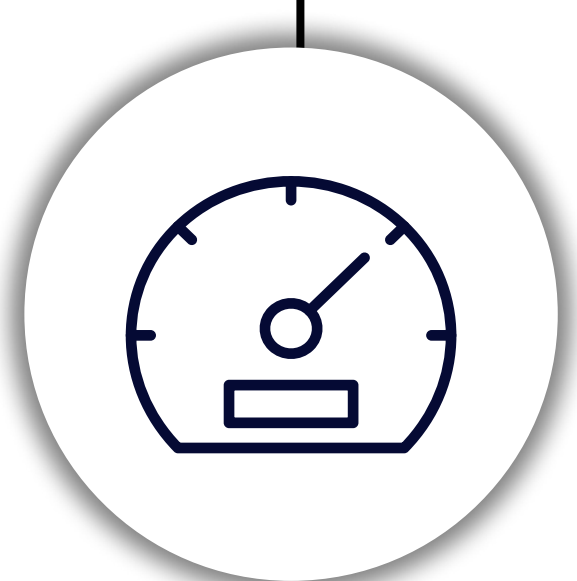
Automated complex deployment workflows across 300+ servers using AWS CI/CD tools & Jenkins. Delivered single-click deployment pipeline, scalable infrastructure, reduced manual overhead, and improved reliability.



Hubble faced over 50 weekly manual deployments across development, staging, and production on 300+ Java servers, causing delays and chaos.



Implemented a push-button CI/CD pipeline using Jenkins and AWS CodeDeploy with auto-scaling, load balancing, and full automation.

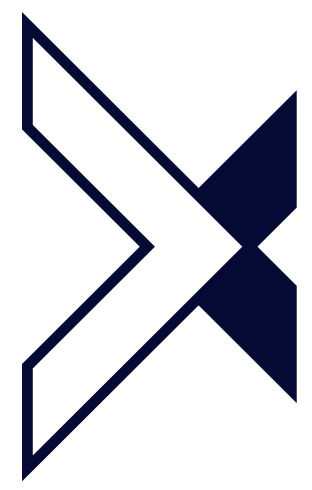


Deployments became rapid and reliable, manual effort dropped, infra scaled automatically, and releases accelerated with high consistency & uptime.

ABOUT HUBBLE CONNECTED



Hubble Connected is a cloud-based IoT platform that enables seamless live video and smart notifications, keeping users connected with people, places, and pets. Partnering with OEMs, Hubble accelerates device integration via SDKs and APIs. Axcress.io specializes in Cloud Advisory, Managed Services, and DevOps automation.



THE CHALLENGE

With over 300 servers and 50+ weekly deployments across multiple environments, Manual deployment process created delays.

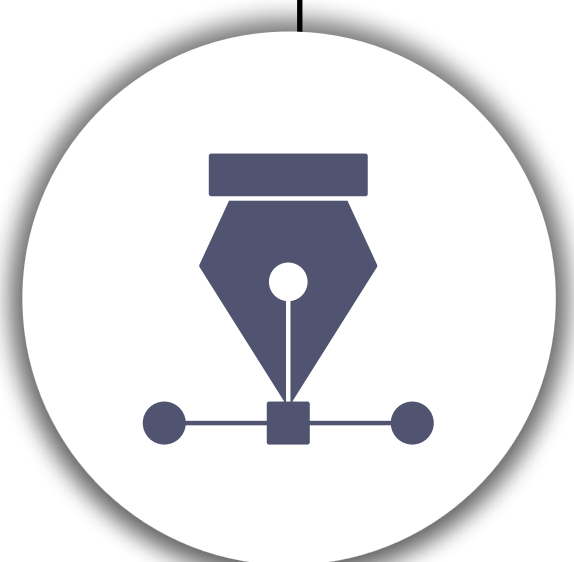
- Managing development, staging, and production deployments manually across 300+ Java-based servers led to operational chaos.
- Frequent manual testing and deployment steps consumed enormous time and introduced delays.
- Complex, high-volume release cycles had no automation, affecting velocity and reliability.

THE SOLUTION



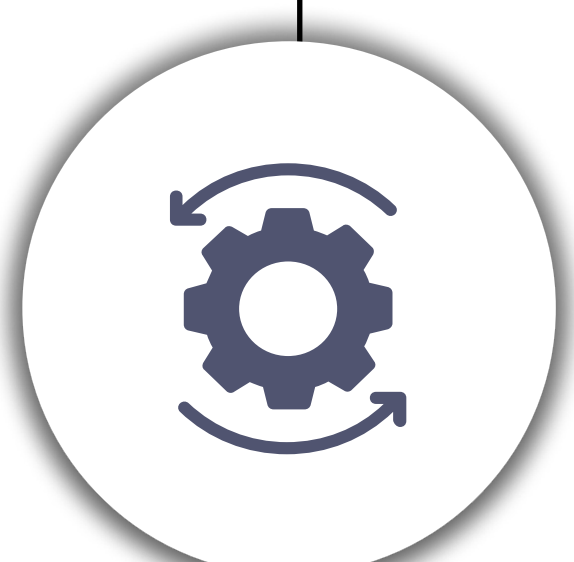
DISCOVERY & PLANNING

Mapped deployment landscape, existing Java-based servers, multi-stack workflows, manual deployment pain points, and scaling limitations.



DESIGN & ARCHITECTURE

Crafted architecture for push-button deployments: Jenkins console trigger, AWS CodeDeploy, load balancing, auto-scaling, plus seamless branching strategy.



IMPLEMENTATION & TESTING

Implemented Jenkins-based single-click pipeline, automated all stages, integrated CodeDeploy for EC2 & Lambda, tested load balancing & scaling.

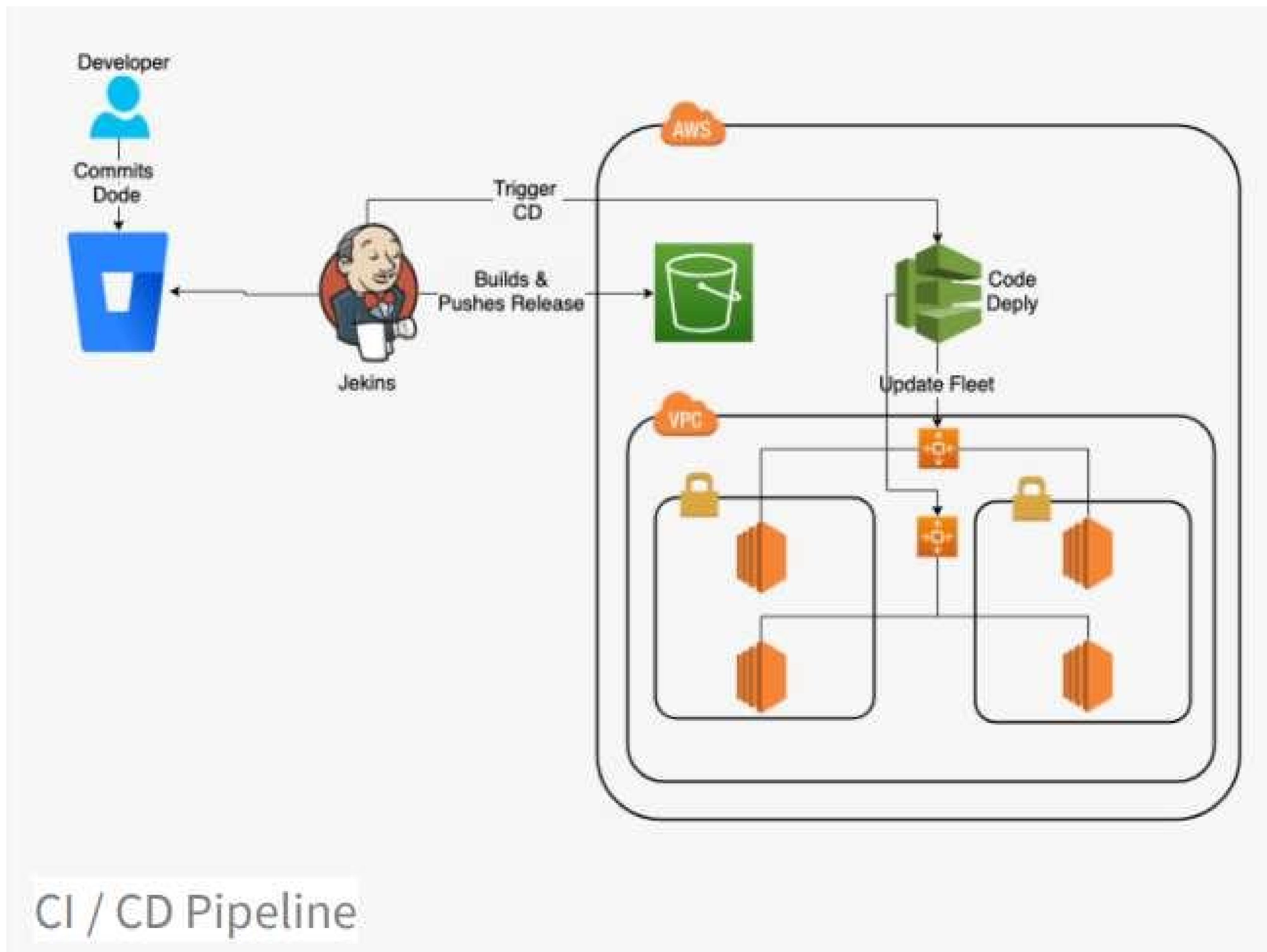


CUTOVER & SUPPORT

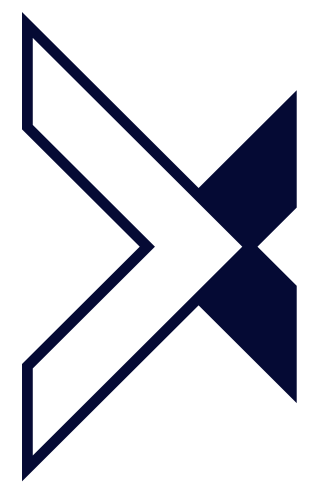
Transitioned to automated CI/CD, enabled one-click deployment, decommissioned manual steps, and ensured resilient, scalable release processes.

Axcess.io built a single-click, automated CI/CD pipeline using Jenkins and AWS CodeDeploy, enabling scalable, reliable deployments.

AWS ARCHITECTURE



- **Jenkins Console Trigger:** Enables push-button deployment across environments using a centralized interface.
- **AWS CodeDeploy Integration:** Automates deployment to EC2 instances and Lambda, reducing downtime and risk.
- **Auto-Scaling & Load Balancing:** Ensures high availability and maintains traffic flow during deployments with dynamic scaling.
- **Full Automation:** Every step—from build to deployment—is automated, drastically reducing manual interventions and errors.

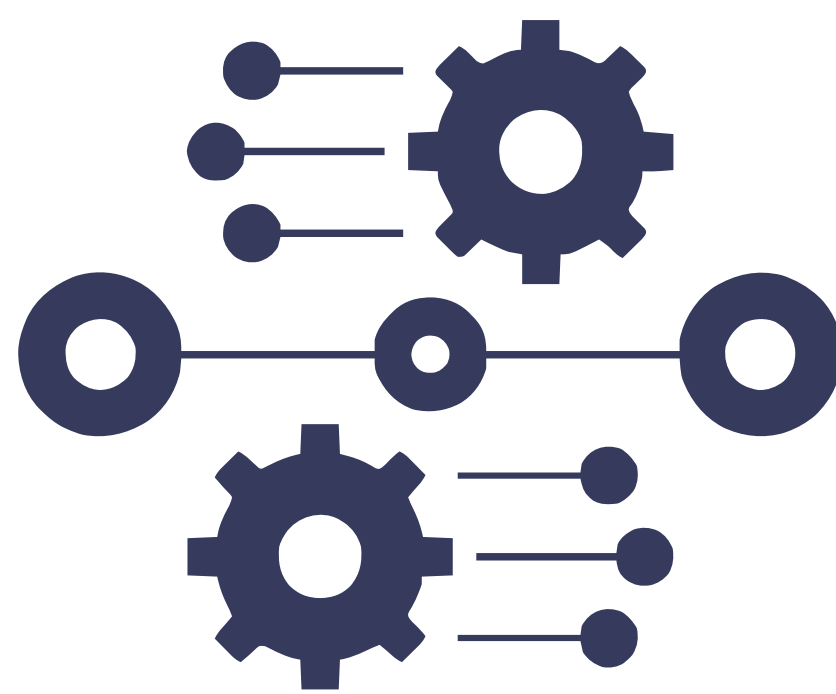


THE BENEFITS



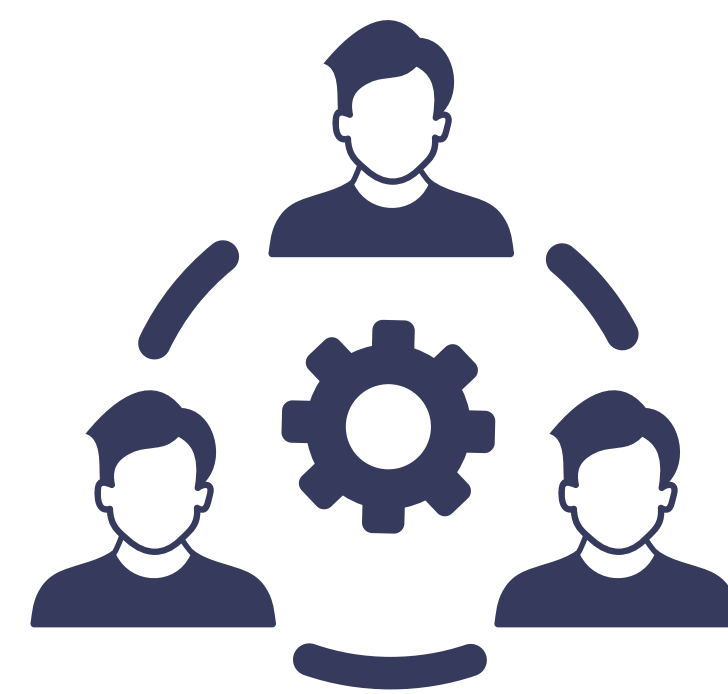
Scalable, Resilient Infrastructure

Auto-scaling and load balancing maintained performance and uptime across 300+ servers during continuous deployment.



Rapid, reliable Releases

Automated single-click deployment, reduced release time, improved reliability, and eliminated deployment delays



Reduced Manual Effort

Manual testing and deployment tasks were fully automated, freeing teams from repetitive, error-prone operations.

About Axcess.io

We offer Cloud Transformation, DevOps and SRE Automation, and 24 X 7 Manage Services to improve the agility and velocity of your business. We are a cloud native services company with clients in multiple geographies and industries We specialize in cloud transformation, DevOps automation, managed services and cloud native application development. With offices in USA and India, we empower organizations to transform and secure their IT infrastructure, scale up their operations, and manage customer workloads. from our ISO 27000-certified Global Network Operations Centers (GNOC).



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