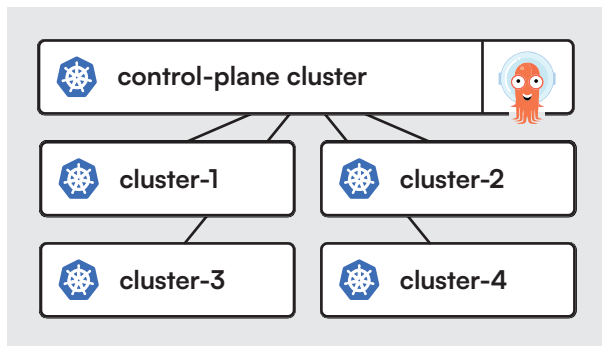


# Open Source Argo CD architectures



## One Instance

### The “management” cluster

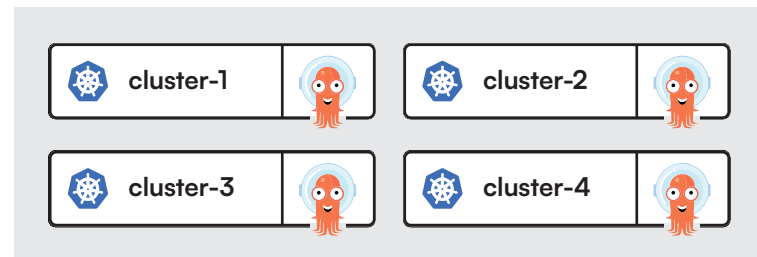


- Scaling requires tuning of the individual components
- Single point of failure for deployments
- Admin credentials for all clusters in one place
- Requires a separate “management” cluster
- Significant network traffic between Argo CD and clusters



## Instance Per Cluster

### The separation of concern

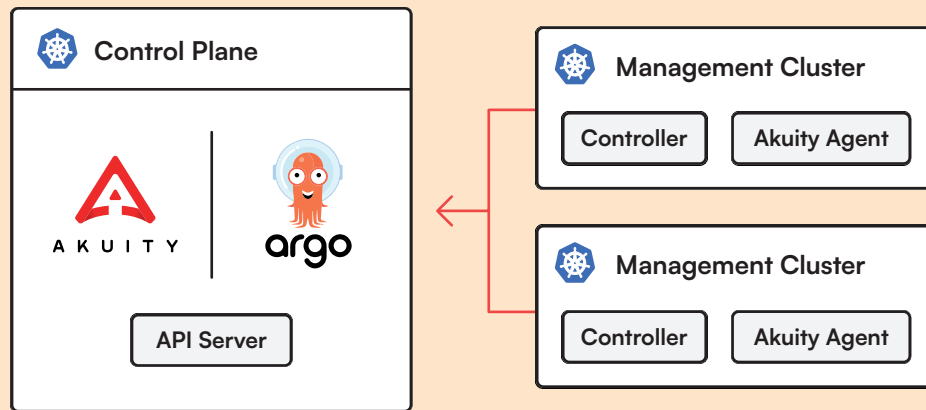


- Requires maintaining multiple instances and duplicating configuration
- At a particular scale, each instance could still require tuning
- API/CLI integrations need to specify which instance
- Limited integration with the ApplicationSet cluster generator

Get more from Argo CD with Akuity →



# Argo CD Architecture Redesigned



Our agent-based architecture addresses much of the scaling, performance, and operational concerns when managing Argo CD. With the Akuity Platform you can have a single Argo CD instance that manages the entire organization's infrastructure with the best possible developer experience and with no security compromise.

Trusted by leading teams and businesses



## 😊 Superior Security

- Distributed agent architecture
- Minimal networking effort
- No cluster credentials in control plane

## 😊 Single Control Plane

- Open source interface with extensions
- Automated security patches
- One panel of glass without compromise

## 😊 Compliance, Governance, Resiliency

- SSO / RBAC / System accounts / Security group
- SOC 2 Type 2 / Audit records / DORA dashboard
- HA / DR / full workload cluster-level resiliency

## 😊 Exceptional Developer Experience

- Stage-to-stage promotion using Kargo
- AI Assistant for Argo CD
- Intuitive UIs across the board

