Ciclic CI/CD Stack

Task Criada → Desenvolvimento → Commit → Trigger automatica → Testes → Trigger automatica → Deploy em Staging → Trigger manual → Deploy em Produção

Stack in Rancher

Production

JFrog sematext

Host A Host B

aqua

Staging

JFrog sematext

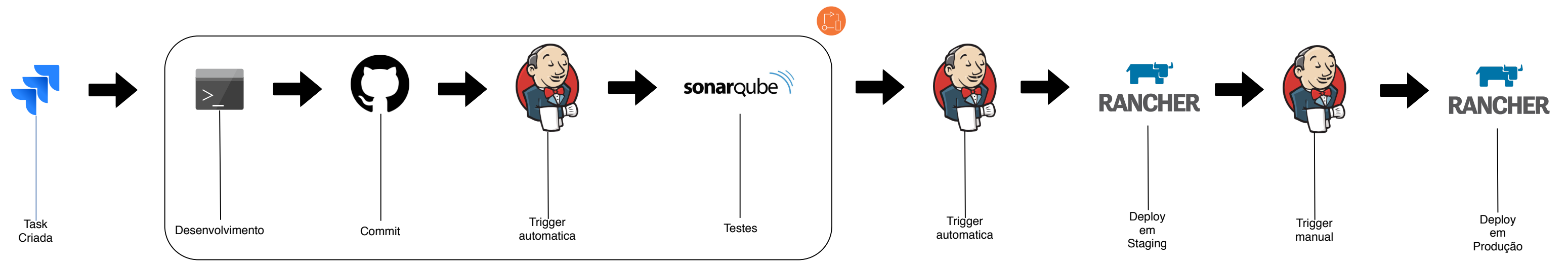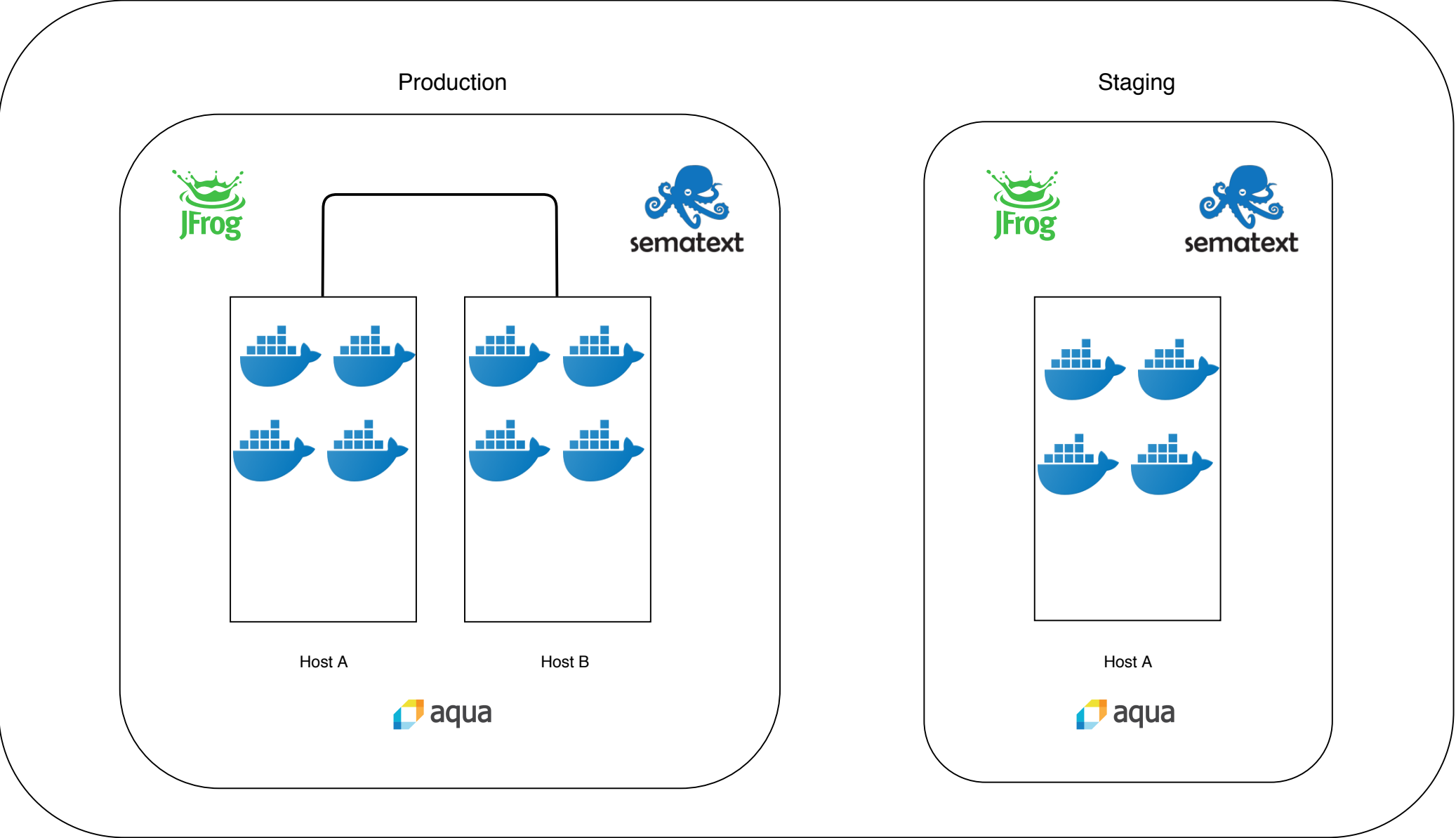Host A

aqua

Tools

- Rancher:

Rancher is a container orchestrator that has an internal catalog of tools that facilitates the resolution of internal infrastructure needs.

- Jenkins:

Jenkins is perhaps the most famous CI/CD tool, it has many plugins and facilitates the automation process of software deliveries.

- Jira:

Jira is a backlog management tool that makes it easy to monitor the tasks performed and to be executed.

- SonarQube:

SonarQube is a test tool for continuously testing quality in code with static analysis and automatic revisions.

- JFrog:

JFrog is a dependency management tool, it is secure and enables offline access to project dependencies.

- Sematext:

Sematex is a tool for performance monitoring, alerts and anomaly detection, centralized logging, log management and analysis.

- Aqua:

Aqua's comprehensive, purpose-built platform for container security provides full visibility and control over containerized environments, with tight runtime security controls and intrusion prevention capabilities, at any scale. The platform provides programmatic access to all its functions through an API.