

Akraino Edge Stack – AT&T Update

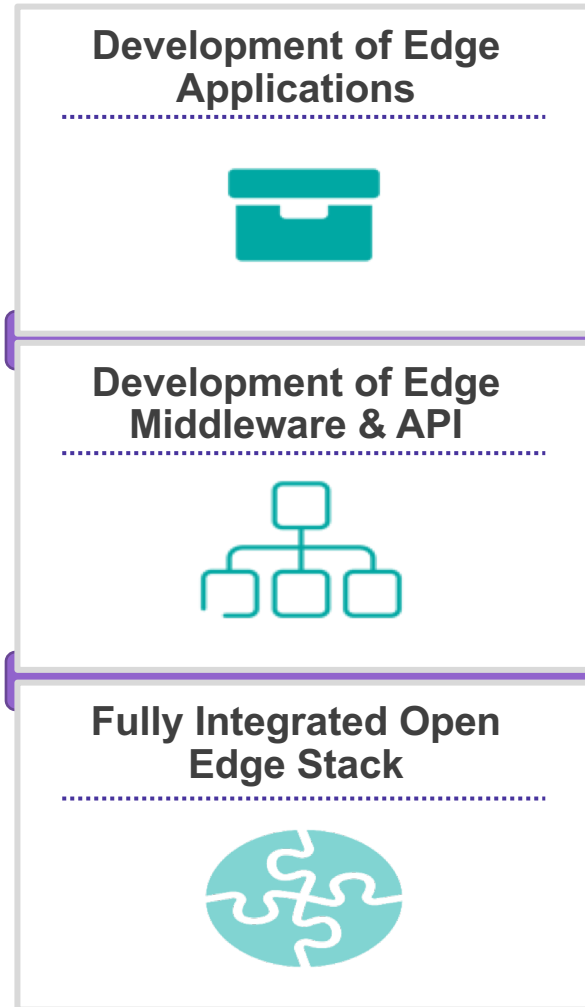
August 23, 2018

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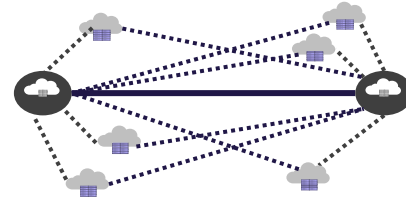
What is Akraino? Everything About Edge – Akraino is the Edge Project



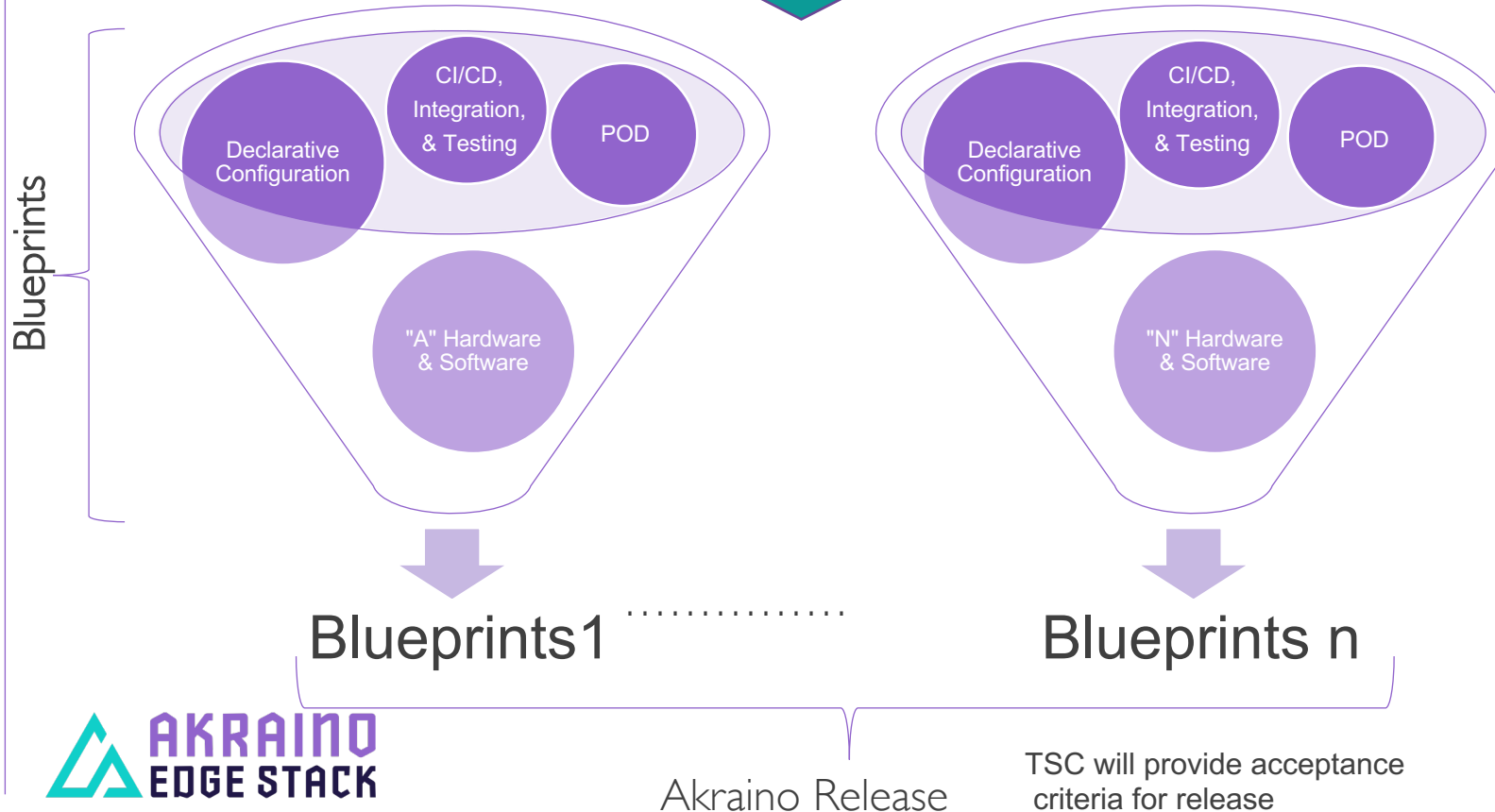
- Develop Edge applications and create an app/VNF ecosystem
- Development of Edge API, Middleware, SDKs
- Cross Platform Interoperability (3rd party Clouds)
- Fully integrated, working Edge blueprints
- Edge Stack Life Cycle - CI/CD & Tooling
- Upstream collaboration



What is Akraino Blueprint?



Reference Architecture
For Edge Use cases



Blueprints — Approved and tested declarative configuration based on use cases, set of Hardware & Software, Point of delivery (POD).

Reference Architecture — Defines Akraino building blocks

Declarative Configuration — Hides lower layer complexity to user

CI/CD, Integration & Testing Tools — Drive product quality

Akraino release — End Product

Why Akraino Blueprint?

Akraino Blueprints



Use Case Based



Fully Integrated End to End Solution (CI / CD)



Proven and Tested by Community



Life Cycle Support



Production Quality

Benefits:

Low Cost



Large Scale



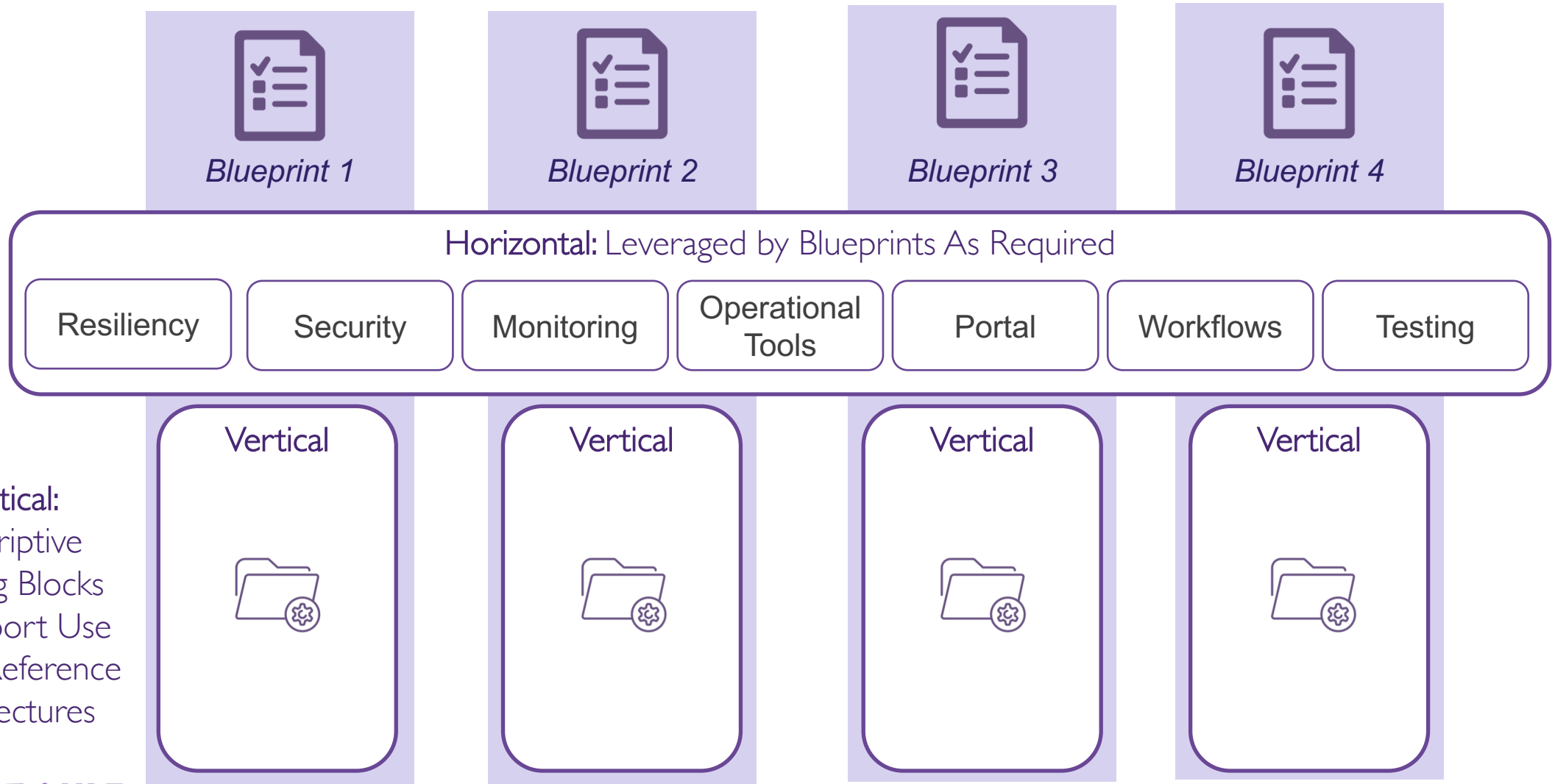
Zero Touch Provisioning



Industry Adoption









Horizontal vs. Vertical Components of Blueprints



Vertical:
Prescriptive
Building Blocks
to Support Use
Case / Reference
Architectures

AT&T Interested Blueprints

<i>Blueprints</i>	 Network Cloud	 Real Time	 Customer-premises / Far Edge
	 Single to Multiple racks	 Single – Dual Server/White boxes	 All-in-one White boxes
<i>Use Cases</i>	Telecom (5G,...)	Access (RAN), PON, IOT.,	Universal CPE

AT&T Network Cloud Blueprint (Seed Code)

AT&T Network Cloud Blueprint



Use Case Based

- Telco / 5G / Enterprise Use Cases



Fully Integrated ETE Solution (CI / CD)

- **Airship based**
- Upstream Integrated
- Full CI in LF
- Automated CD Validation Using Real Hardware



Proven and Tested by Community

- Community Developed and Maintained



Life Cycle Support

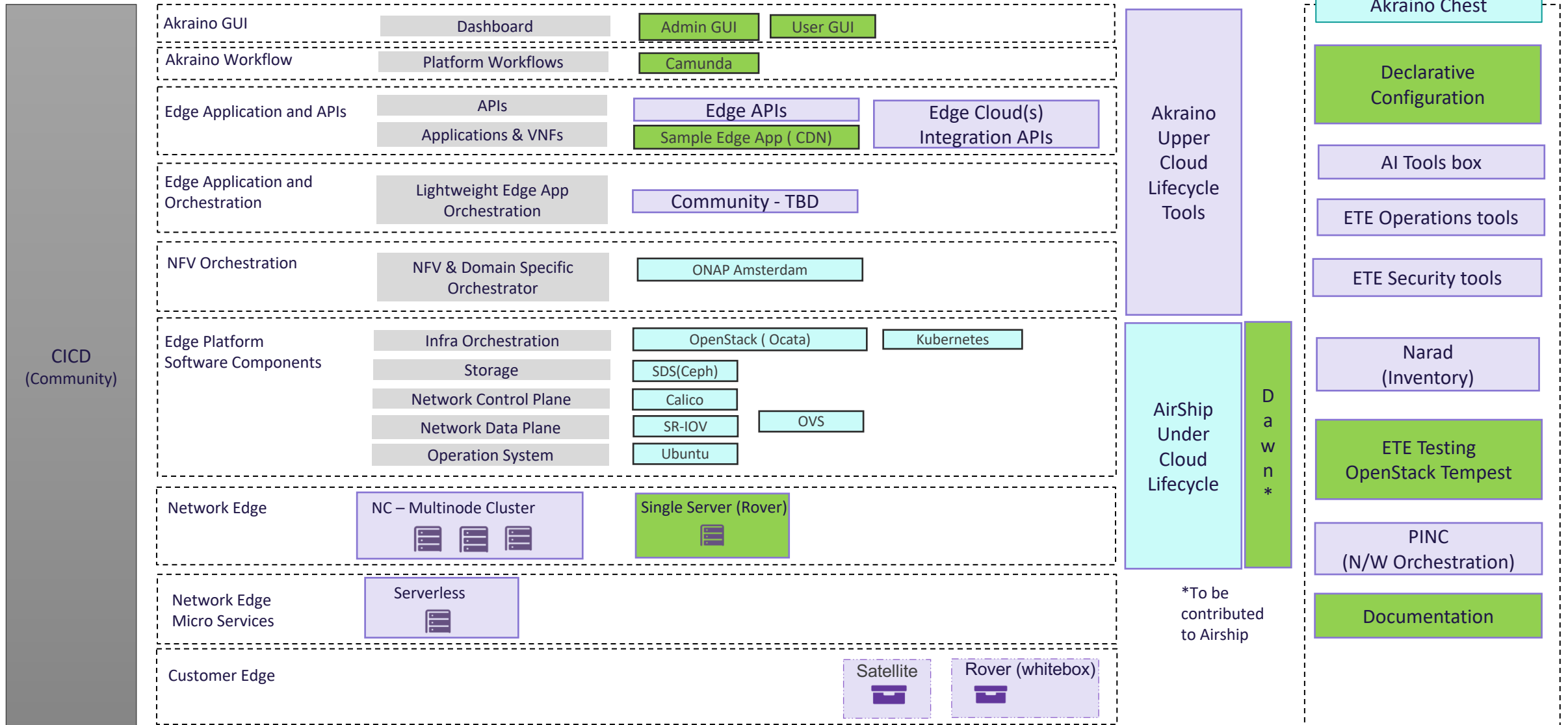
- Continuous Integration
- Documentation



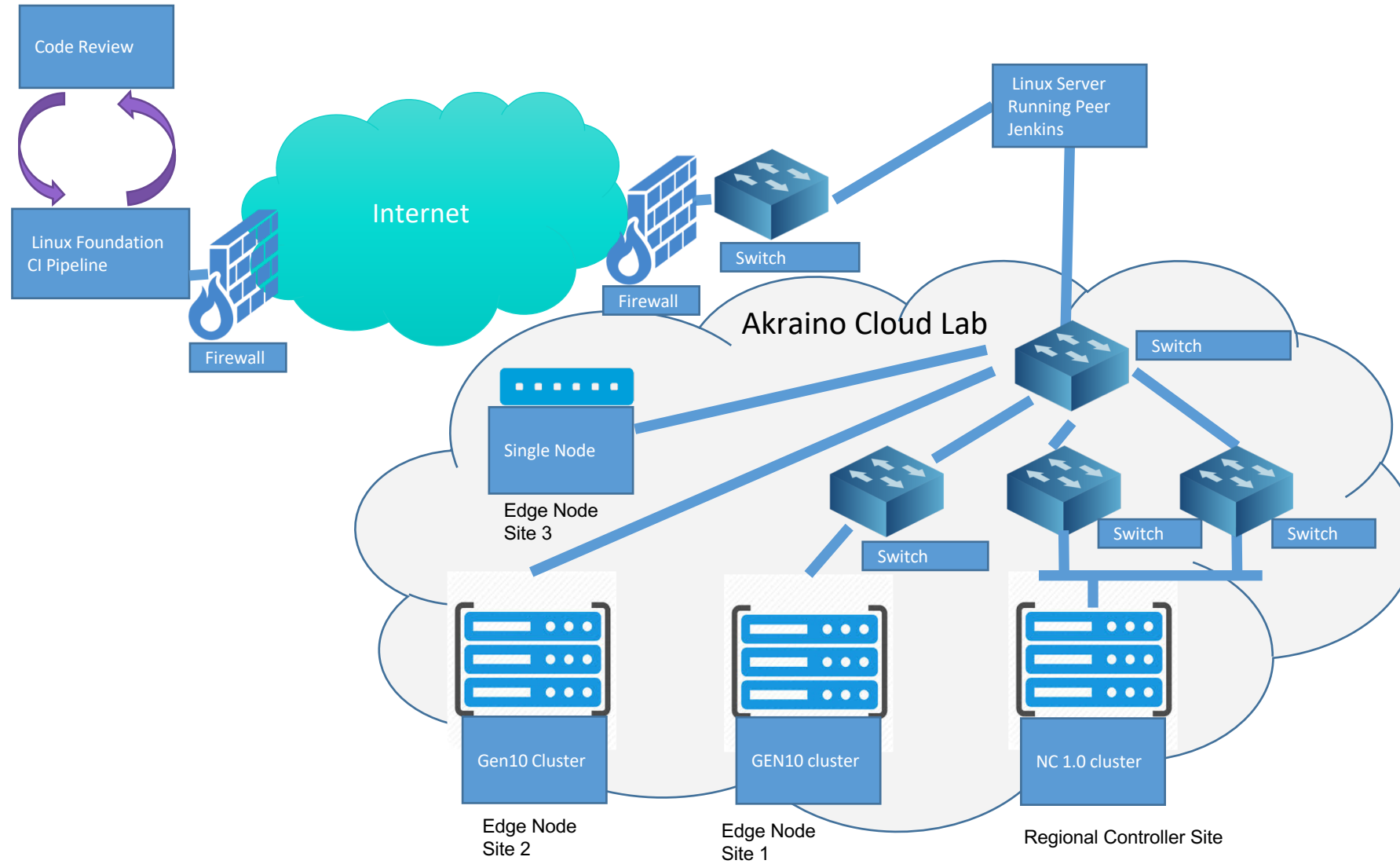
Production Quality

- Production deployed at AT&T

Akraino Network Cloud Blueprint (Aug 2018)



CICD Integration with AT&T Akraino Lab



Demo



For More Information, Please
Visit www.akraino.org

