Akraino API Portal

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Why is an API/Interface portal needed?



Akraino's Release 3 marks another milestone. With several blueprints accepted, a community API portal provides a view inside these blueprints.

- "A blueprint shows it works; APIs show how it works"
- > APIs provide a map for customers to navigate Akraino edge stacks and services
- Consistent and well organized APIs will increase Akraino adoption

As Forbes puts it, "How a business wins or loses is increasingly dependent on how well they connect to external party apps, devices and services."

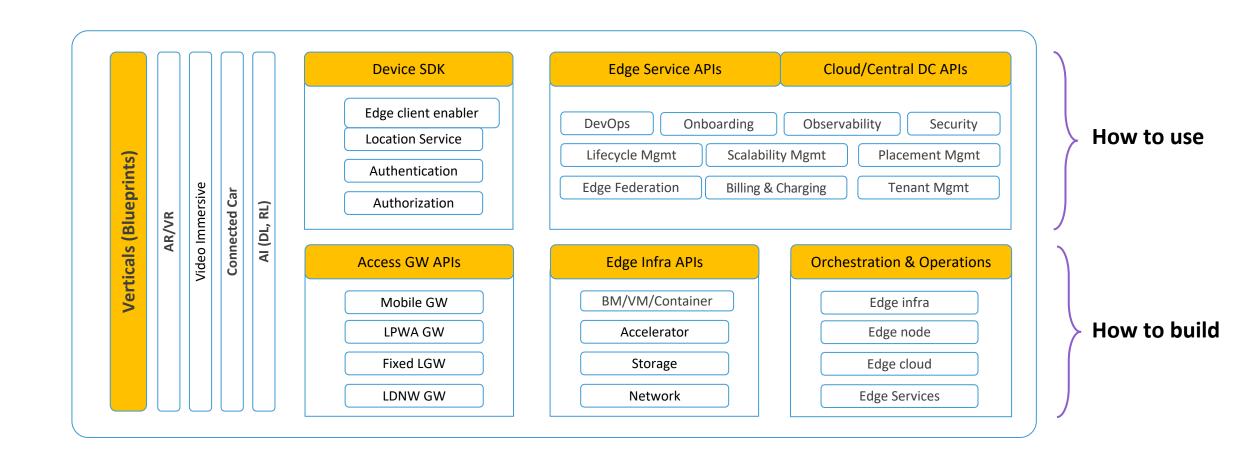
What will be included in API Portal?



- ➤ 2 categories of Edge APIs:
 - How to build the edge: BM/VM/Container, networking, storage, mgmt./orchestration
 - How to use edge as a service: End user application(device, edge service, cloud service),
- > A focus on interfaces, not implementations
- > An inclusive approach, highlighting common APIs
- Open, extendable

Proposal on API portal map



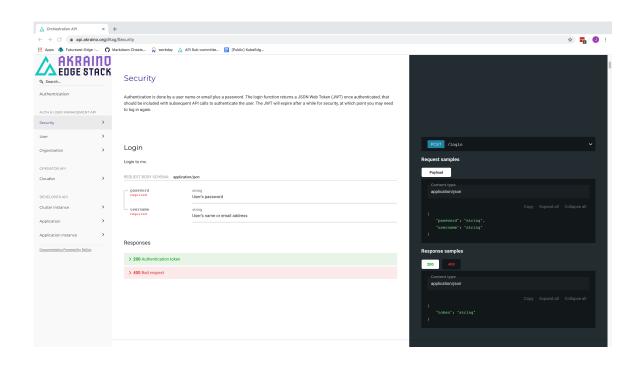


What we have now

5



api.akraino.org



- This is REST API based documentation with the focus on application developer interfacing.
- We will continue to include the infrastructure work stream APIs

Call for Actions



• Pilot projects:

Volunteer projects are welcome. PCEI, AI Edge, KubeEdge are in the queue

API portal design:

Categories, format (RESTful, gRPC etc.), versioning etc.

You are welcome to join our Friday 9am weekly meeting to discuss

https://wiki.akraino.org/display/AK/API+Sub-committee

Collaborative validation:

Mock servers, client stubs etc. We need volunteers to test out APIs

Thank You!