

API Subcommittee Meeting Notes, 1 May20

1 May 2020 / 9:00 AM PDT / Zoom meeting

Attendees

Jiafeng Zhu, Jane Shen, Tim Epkes, Doug Eng, Tina Tsou, Wenhui Zhang, Neal Oliver, Tianji Jiang, Jeff Brower

Meeting Notes -- Zhu, Brower

Agenda

- Infrastructure API portal proposal - Jane

Meeting Notes

API Portal Discussion

Overview - Jane

Portal is still in prep stage, first APIs shown are from MobileEdgeX, who has acted first

How to define the granularity of APIs for different projects

We will contact three pilot projects (IEC, PCEI, AI Edge, ask them to submit APIs)

We will create API categories, initially target high level APIs, try to make it easier for developers

API format

Jane - we should consider using Swagger UI and/or ReDoc. ReDoc / Swagger use open API format, but ReDoc offers new features, e.g. auto-sync. ETSI MEC uses Swagger. We will make a group decision

Tim - don't use Redoc just because it's newer. Gave some history of why Swagger succeeded

Neal - we need to pay attention to API semantics and syntax across projects

Tim - Akraino has a number of edge projects but they don't talk to each other. Has concerns about overall API organization and platform-to-platform APIs

Jane - APIs provide services. At a high level services are organized by domain

Neal - organize APIs by content; e.g. Mp1 control plane, Mp2 data plane resources (inside the box), Mp3 internal, up to operators

Tim - Mp1 APIs don't need to be REST, which doesn't always scale well

Jane - has looked at current blueprints, APIs don't have consistency but maybe we can guide that. We need to see what comes out of pilot projects

Tim - mentioned Mp1 RNIS service registered as an example: API consumer registers, gets port numbers, types of connection (socket, web socket, etc).

Also he will be helping ETSI MEC with API improvements / redefinitions. We don't want every Akraino blueprint to be an island

Jane - possibly operators will share info at infrastructure level. For example AT&T and China Mobile sharing UPF and edge application info. Possibly they will share some info on Mp3 interface, for example transferring state info

Challenges (summary of above discussion)

How to define the granularity of APIs for different projects, black box

There are many projects under Akraino, but they don't talk to each other

We want projects to open their external and internal API, platform-to-platform API and share with us

Action Items

Swagger / ReDoc comparison

Links and Reminders

Meeting Notes link: <https://wiki.akraino.org/display/AK/API+Sub-committee>

Google Doc link:

https://docs.google.com/document/d/1idWiVe4U_jzpfDA99ZgMf-ghVIIRO7FN/edit#heading=h.gjdgxs

Members are welcome to add discussion topics to the meeting Agenda at any time prior to each meeting

If we miss your name, please add to Attendees section