FDC3 - November 21st, 2017 Minutes

Attendees:

Dinesha Vittaldas, Alliance Bernstein
john lin, Alliance Bernstein
Nikhil Doshi, Barclays
Alexei Samonov, BGC
Terry Thorsen, ChartIQ
Christopher McGuire, Citadel
Tim Kolecke, Citadel
Zeno Lee, Cloud9
Dan Riley, FactSet
Alan Cenkus, FactSet
Gavin Lauchlan, JP Morgan
Peter Smulovics, Morgan Stanley
Chuck Danielsson, OpenFin
Espen Overbye, OpenFin
Nick Kolba, OpenFin
Saori Fotenos, Thomson Reuters
Jorge Santos, Thomson Reuters
Ramanjit Sidhu, Wellington
Benjamin McBride, Wellington
David George Carlson, Wellington
Ed Broach, Wellington

Updates

The demo repository from last meeting is currently hosted on the github org at https://github.com/FDC3/open-api-demo.

Proposal: Session Tokens

In the interest of ensuring secure connectivity, the workflow for session tokens was proposed to the group. Session tokens are analogous to an authorization cookie & would be issued by each calling application. Slide 6 of the meeting contains a detailed walk through of the steps taken as apps are launched.

Does this model cover broadcasting of messages?

No, this is designed for 1 to 1 communication. You could accomplish this with your own APIs however, though broadcasting is inherently insecure.

What if the connectivity service goes offline?

Apps will remain connected and use their existing session tokens to continue communication. Once the connectivity service is restarted, it will recreate its state, reconnect to the apps, revalidate them & reissue the auth tokens.

This proposal is currently a work in progress, once an MVP is presentable it will be shared with the group.

Follow Ups

What is the scope of the proposed security model?

The difference is Authorization vs. Authentication. The group is focused on authentication of application identity. Authorization, as in the authorization of apps, is limited to desktop owner settings. This is done to accommodate the wide variety of security controls organizations place on things like contact data. Some orgs allow all internal apps to share, others cherry pick different apps. Therefore we will leave this to the desktop owner.

What about having one app to manage the entitlements?

In a previous meeting we discussed the app directory. The intent is for there to be a public one but organizations can host their own for internal apps or overwriting existing public apps. This would allow you to do just that.

Action Items
- Feedback on session token proposal
- Begin implementation of handshake workflow
- Gather thoughts on Taxonomies