FINOS

Fintech
Open Source
Foundation

Pure/Alloy
Monthly General Meeting
2020.2.20
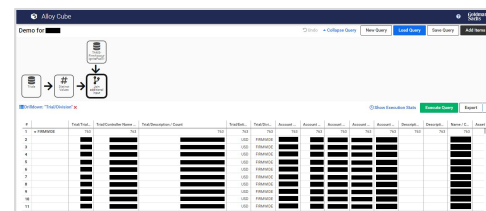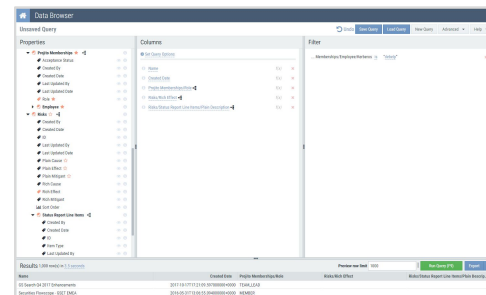
FINOS + GS

Agenda

1. Alloy Open Source Project Background (quick refresh for new people)

2. Progress to Date & Upcoming Milestones

3. Documentation Site

4. Q&A

1. Alloy Open Source Project

Background

1. Alloy Open Source Project

- As announced at the 2019 <u>Open Source Strategy Forum</u>, GS intends to open source both the PURE language and Alloy framework by June 2020

  - PURE is a **modeling language**, inspired in part by languages such as the <u>Object Constraint Language (OCL)</u>, that GS uses to create and construct internal models for functions such as reporting and clearing.

  - Alloy is a **visual modeling environment** and system that creates, maintains, and helps distribute models built in PURE.

- PURE/Alloy can generate code in languages/formats such as SQL and JSON (and, internally, SLANG) in order to import and update target systems & infrastructure w/ revised model definitions/extensions.

- In preparation for the open-sourcing of PURE and Alloy into FINOS in June, **there is a limited availability pilot modeling phase currently underway for FINOS members** to try out PURE/Alloy and start collaboratively modeling together

2. Progress to Date & Upcoming Milestones

Background

2. Progress to Date & Upcoming Milestones

Milestone	Participants	When
Phase 0: OSSF Announcement and PURE/Alloy Deployment of Sandbox into AWS		**Oct 2019 - Feb 2020**
Announcement of intent to contribute PURE/Alloy at Open Source Strategy Forum	GS plus several banks and/or 1-2 non-bank industry partners	Completed!
Hosted PURE sandbox deployed to AWS	GS + FINOS w/ support from Gitlab	Stood Up and Ready
Phase 1: Limited Availability Pilot Period Group Access to Sandbox		**Jan 2020 - Apr 2020**
Launch limited availability of sandbox; Collaborate on shared models	GS plus participating banks and other partners	*Happening Now*
Phase 2: General Availability of Sandbox; Public Availability (Open Sourcing) of Code		**Q2 2020**
Public availability of the sandbox	FINOS Community	Target June '20
Code available in FINOS Gitlab	FINOS Community	Target June '20

2. Progress to Date & Upcoming Milestones

Progress to Date:

1. Three Up's
   a. Bank support
   b. Technical integration
   c. Pilot group meetings

2. Three Downs
   a. CLAs
   b. Compliance concerns
   c. Overall delays

2. Progress to Date & Upcoming Milestones

Upcoming milestones:

a.   Phase 1:

    i.   M1.1: Documentation Site Live - Completed 2020.1.31
    ii. M1.2: Open environment: releasing of external instance to the pilot group by [date] [View on GitHub]
    iii. M1.3: Onboarding modelers: first pilot participants able to participate by [date] [View on GitHub]

b.   Phase 2:
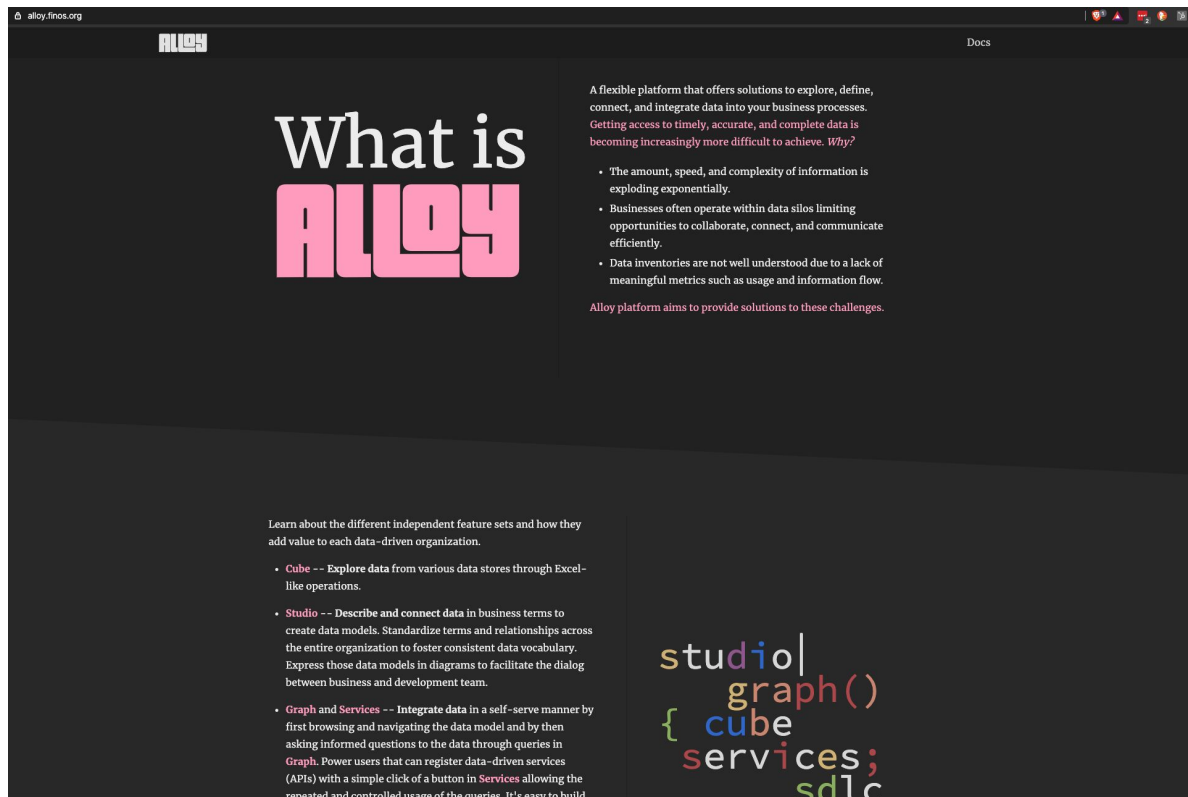   i.   Open source underlying code to PURE and Alloy into FINOS
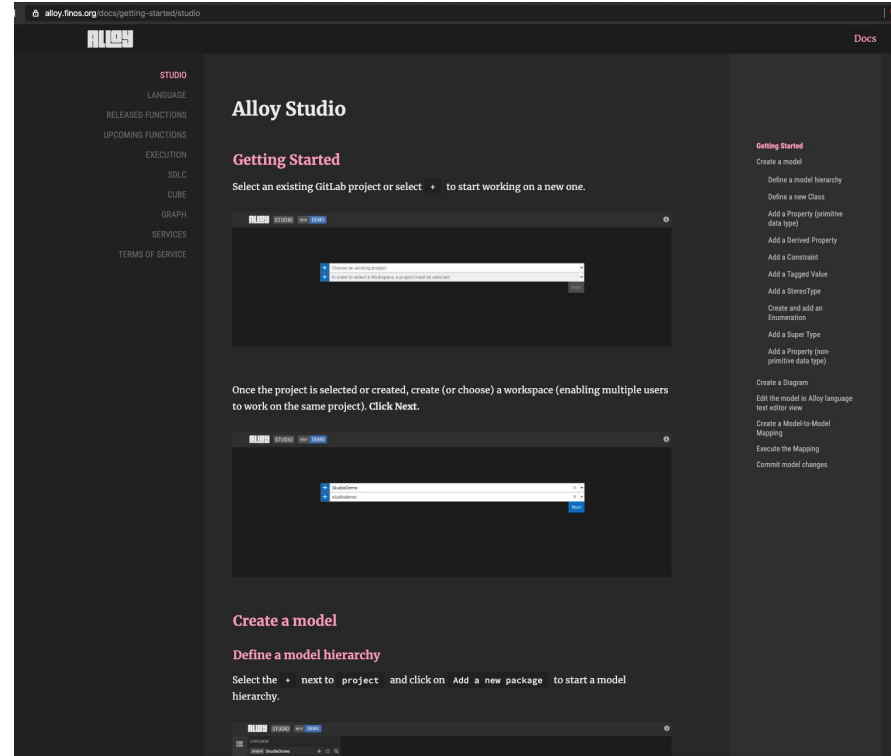
3. Documentation Site

alloy.finos.org

4. Documentation Site

4. Documentation Site

4. Q&A

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