Open Source Collaboration with FDC3 1.1

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Presenter - Nick Kolba  
FDC3 Project Lead and Chair

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why FDC3?
Proprietary bilateral protocols and APIs
OpenFin founds FDC3

FDC3 is contributed to FINOS

FDC3 1.0 standards are ratified

FDC3 1.0 is put into production by leading financial firms

12 initial participants

4 STANDARDS WGs

100+ member community

fdc3.finos.org launched

J.P. Morgan

1 slide deck

40+ participant firms

10 core contributor firms

FDC3 1.0

FINOS contribution

1.0 released

1.0 production

FDC3 founded

May 2018

Mar 2019

Nov 2019

OCT 2017

FDC3

Finos contribution

1.0 released

1.0 production

Oct 2017
channels api
expanded context data
developer experience
interface DesktopAgent {

    // apps
    open(name: string, context?: Context): Promise<void>;

    // context
    broadcast(context: Context): void;
    addContextListener(handler: ContextHandler): Listener;
    addContextListener(contextType: string, handler: ContextHandler): Listener;

    // intents
    findIntent(intent: string, context?: Context): Promise<AppIntent>;
    findIntentsByContext(context: Context): Promise<Array<AppIntent>>;
    raiseIntent(intent: string, context: Context, target?: string): Promise<IntentResolution>
    addIntentListener(intent: string, handler: ContextHandler): Listener;

    // channels
    getOrCreateChannel(channelId: string): Promise<Channel>;
    getSystemChannels(): Promise<Array<Channel>>;
    joinChannel(channelId: string): Promise<void>;
    getCurrentChannel(): Promise<void>;
    leaveCurrentChannel(): Promise<void>;
}
interface Channel {
    // properties
    id: string;
    type: string;
    displayMetadata?: DisplayMetadata;

    // methods
    broadcast(context: Context): void;
    getCurrentContext(contextType?: string): Promise<Context|null>;
    addContextListener(handler: ContextHandler): Listener;
    addContextListener(contextType: string, handler: ContextHandler): Listener;
}
- **fdc3.contact**
  - A person contact that can be engaged with through email, calling, messaging, CMS, etc.
  - Financial Objects Specification
  - schema

- **fd3.contactList**
  - A collection of contacts.
  - Financial Objects Specification
  - schema

- **fdc3.country**
  - A standard country entity.
  - Financial Objects Specification
  - schema

- **fdc3.instrument**
  - A financial instrument from any asset class.
  - Financial Objects Specification
  - schema

- **fdc3.instrumentList**
  - A collection of instruments.
  - Financial Objects Specification
  - schema

- **fdd3.organization**
  - A standard organization entity.
  - Financial Objects Specification
  - schema

- **fdc3.portfolio**
  - A collection of positions.
  - Financial Objects Specification
  - schema

- **fdc3.position**
  - Financial Objects Specification
  - schema
Context and Intents reference sections

Context type filtering on APIs

Tooling projects
Demo

https://github.com/nkolba/desktop-agent
Lessons learned
open source in finance
#1 Find a problem
#2 Convince people to care
#3 Ensure neutrality
#4 Find the least common denominator

165

11

5

3

7

105
#5 Iterate
open source from inception

collaborative by definition

designed for adoption
end