

PexKit

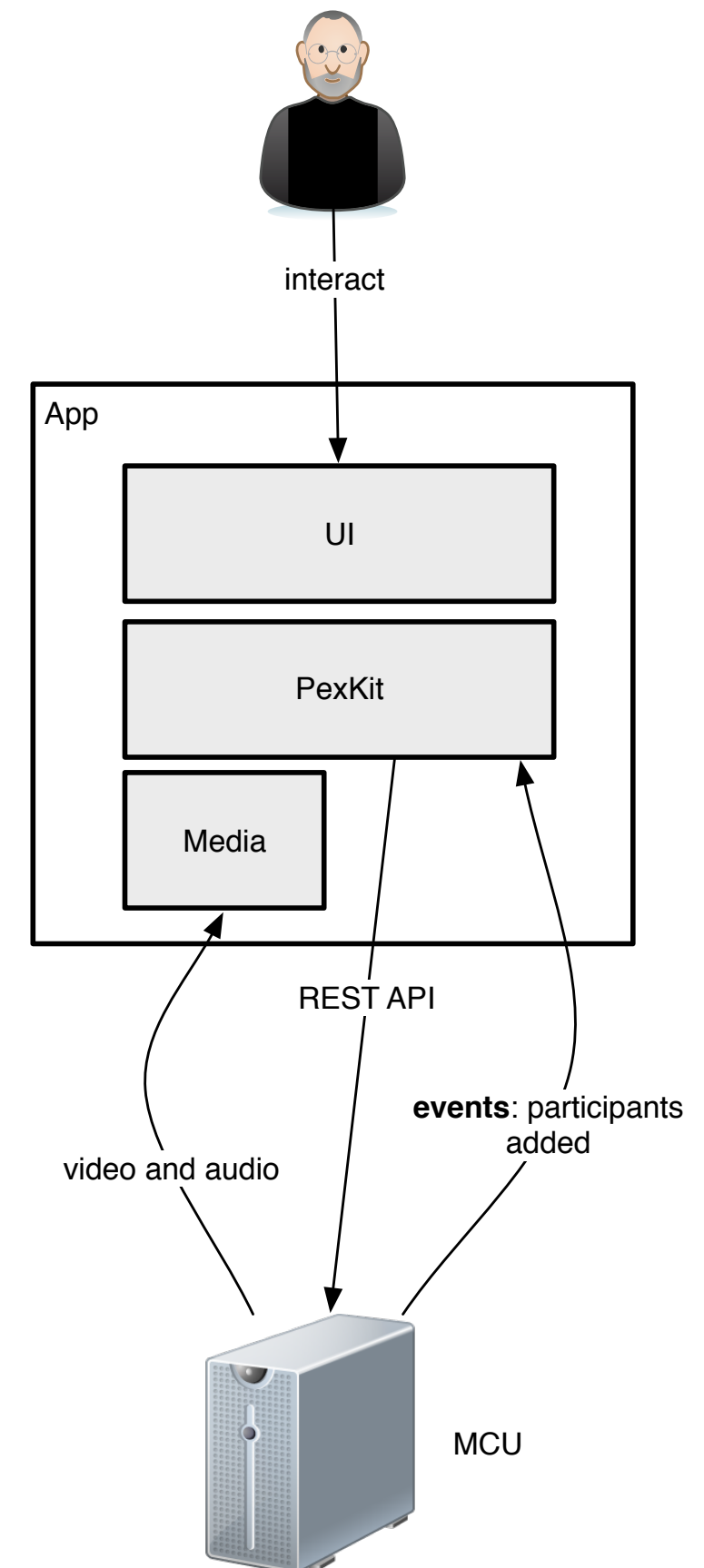
Overview

Technical Overview

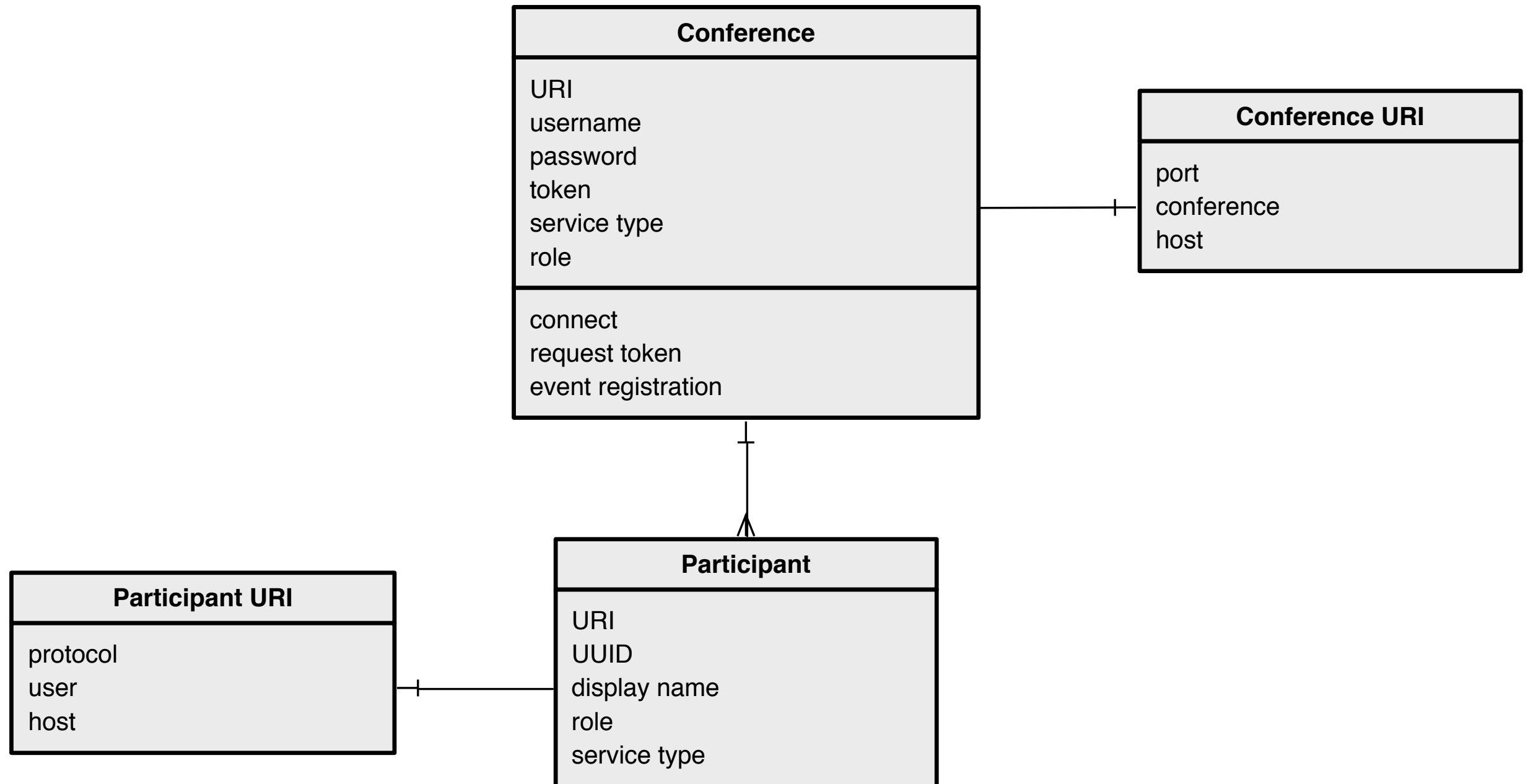
- PexKit is about 2000 lines of Swift code
- Accessible from Swift and Objective-C
- Software media encoding/decoding

Overview

1. Connect and get token
2. Register events
 - Participants added or removed
 - New presentation frame
3. Escalate to Video



Domain Model



Concepts

Token

- Authenticate each HTTP request
- Expires (need to refresh)

b3duZXI9MTA5LjIwNS44LjM1JnRva2VuX3V1aWQ9M2M5Yzk1MzEtNjRhMC00ThkL
TlMmGI+ODRlNmYwNjZjYTg2JnJvbGU9SE9TV CZuYW1lPVBleGlwKy0rSGFuaStNdX
N0YWZhJnRpbWVzdGFtcD0xNDMzOTM1NTA4LjgxOjdhNzA2NjE4YjZmODc4NGFiODE
2NWU5MzdhNjVjOTFlMzBkNGMyYjNmMmNiMDA50ThkYjc4ODdkNDUwOTE5ZDQ%3D

Conference

- Central object
- Operations
 - connect
 - register for events
 - new participant
 - new presentation
 - somebody left

Participant

- Zero or more participants in each conference
- Identified by URI (user perspective)
- Participant control
 - mute
 - disconnect

Conference URI

- Identifier for a conference
- Needed to create a Conference object

user@host:portnumber

meet.erik@rd.pexip.com:8080

Service Type

- For each participant
 - Conference
 - Lecture
 - Connecting
 - Gateway
 - Two stage Dialing

Participant URI

- A user identifier for a participant
- To call a participant
- Currently need to know protocol used by user:
 - SIP
 - Skype
 - h.323
 - Lync
 - MSSIP

protocol:user@host

sip:erik@pexip.com

Participant Role

- Distinguish using different PIN when connecting to conference.
- Host
 - Mute, unmute guests
 - Remove participants.
- Guest

Participant UUID

- Used to identify a participant by the SDK
- Example:

de305d54-75b4-431b-adb2-eb6b9e546014

Future Development

- Some API cleanup
 - Error handling
- Better Documentation
- More Samples and Tutorials

Questions?