

API Overview

We love developers

HAPPYCO

HappyCo API Topics

- gRPC
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gRPC

The future of APIs is here



- gRPC is a secure modern communication protocol open sourced by Google*. It bridges the gap between your platform and ours by acting as a translator — it let's us all speak the same *“language”*.
- HappyCo uses gRPC for all of our public (and internal) APIs and have found it to robust while drastically decreasing development time.
- gRPC likely means you will integrate HappyCo much faster than you would with a typical REST API, as you won't have to write boilerplate client code to serialize requests and deserialize responses.
- gRPC officially supports C++, Java, Python, Go, Ruby, C#, Node.js, Android Java, Objective-C, and PHP.

*(3-clause BSD license)

MyID

Because sometimes adding another column sucks

- Sometimes it's just easier to use your ID than to save ours.
- Our MyID system lets you create, find, update, and delete objects using IDs from your systems.
- You can always save our IDs too — all API requests accept either your ID or ours, and all of our API responses return both.

Streaming API

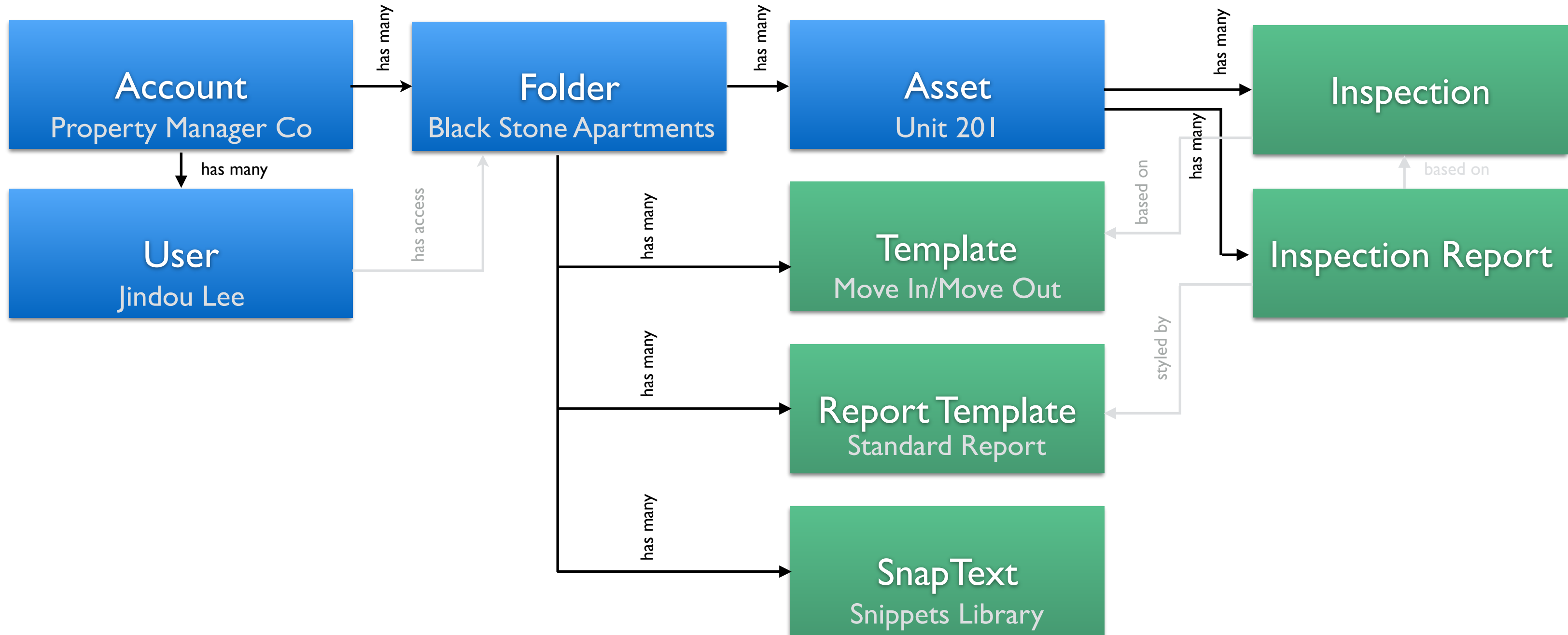
Better than polling and web-hooks

- Sometimes you might need to be notified when things occur within the HappyCo platform, like when objects are created, or updated. Our streaming API is just for that.
- This notification problem is typically solved by web hooks or polling, both make tradeoffs that you have to deal with (more coding). We wanted to save you time so we designed our streaming API to make listening to events easy.
- You simply subscribe to an event stream with a handler (one API call) and let us do the heavy lifting*.

* Heavy Lifting:

- When multiple clients are connected, we'll automatically de-duplicate event streams. *e.g. in a clustered environment, each client can process a stream without worrying about other clients.*
- If you're unavailable to process an event, we'll hold on to it until you're next available.
- If you can't process an event, we'll hold on to it until you can deploy some new code.

Data Model Overview



Vendors

Account Management APIs

- As a vendor who integrates you might want to create and provision HappyCo accounts on the fly.
- Our vendor interface let you manage any account created by you automatically.
- Please contact us for access to this interface.