# Auth Application Refactoring

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## Auth Refactoring
Goals

- ▶ Have small neat apps with single responsibilities
- ▶ Have little surfaces of interacting of these apps with the rest of the EMQX
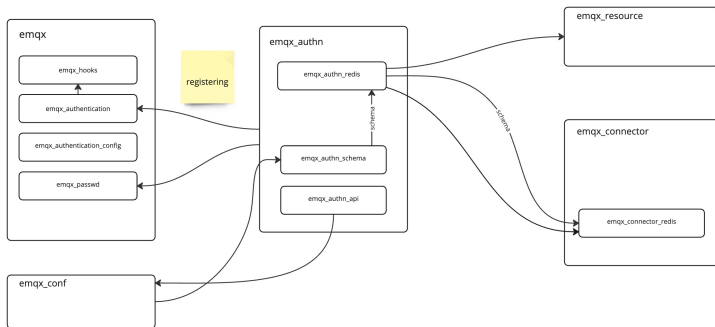- ▶ Have comprehensive README's

Auth Refactoring
Why? — Possible Reasoning

▶ Make it easier to understand the code and contribute — a non regular contributor should easily find a place to improve or fix

▶ Clearly understand buisness value of each app — a concise README should prove the value of the app

# Authentication
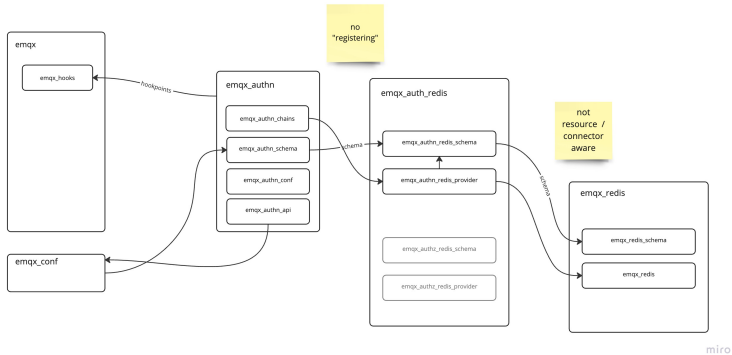Now

## Auth Refactoring
Now — issues

- ▶ Authn app is actually partially resides inside `emqx` app
- ▶ It is difficult to describe concisely what authn app does

ΞMQ

## Auth Refactoring
Planned

ΞMQ

## Auth Refactoring
Planned

- ▶ Extract authn concerns from `emqx` app
- ▶ *Interact with `emqx` only via hooks, as in v4
- ▶ Extract backend interaction from `emqx_authn` app
- ▶ Remove unnecessary IoC — no authn provider "registration"

## Auth Refactoring
Responsibilities

- ▶ `emqx_authn` app — configuring authantication chains (we may rename it to `emqx_authn_chain`)
- ▶ `emqx_auth_redis`-like apps — implementing redis backend for authn and authz

Thank you!