

Enabling OpenTofu for the Enterprise

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Agenda

- TF Usage at Fidelity
- Fidelity IaC Platform Roadmap
- Lessons Learned
- OpenTofu Enablement

TF Usage at Fidelity

Thousands

Applications

Tens of Thousands

Environments

Tens of Thousands

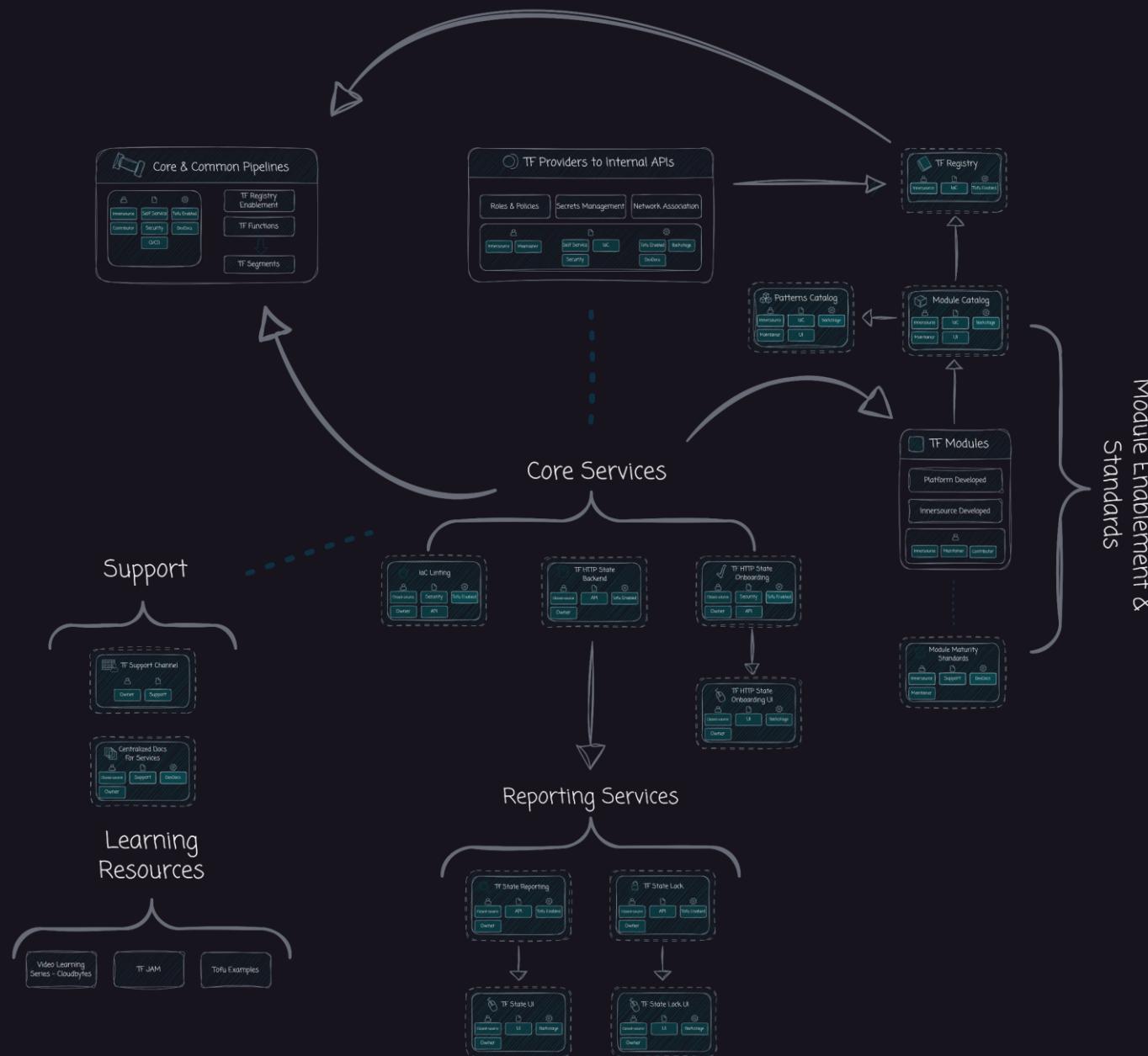
Workspaces

Millions

Resources

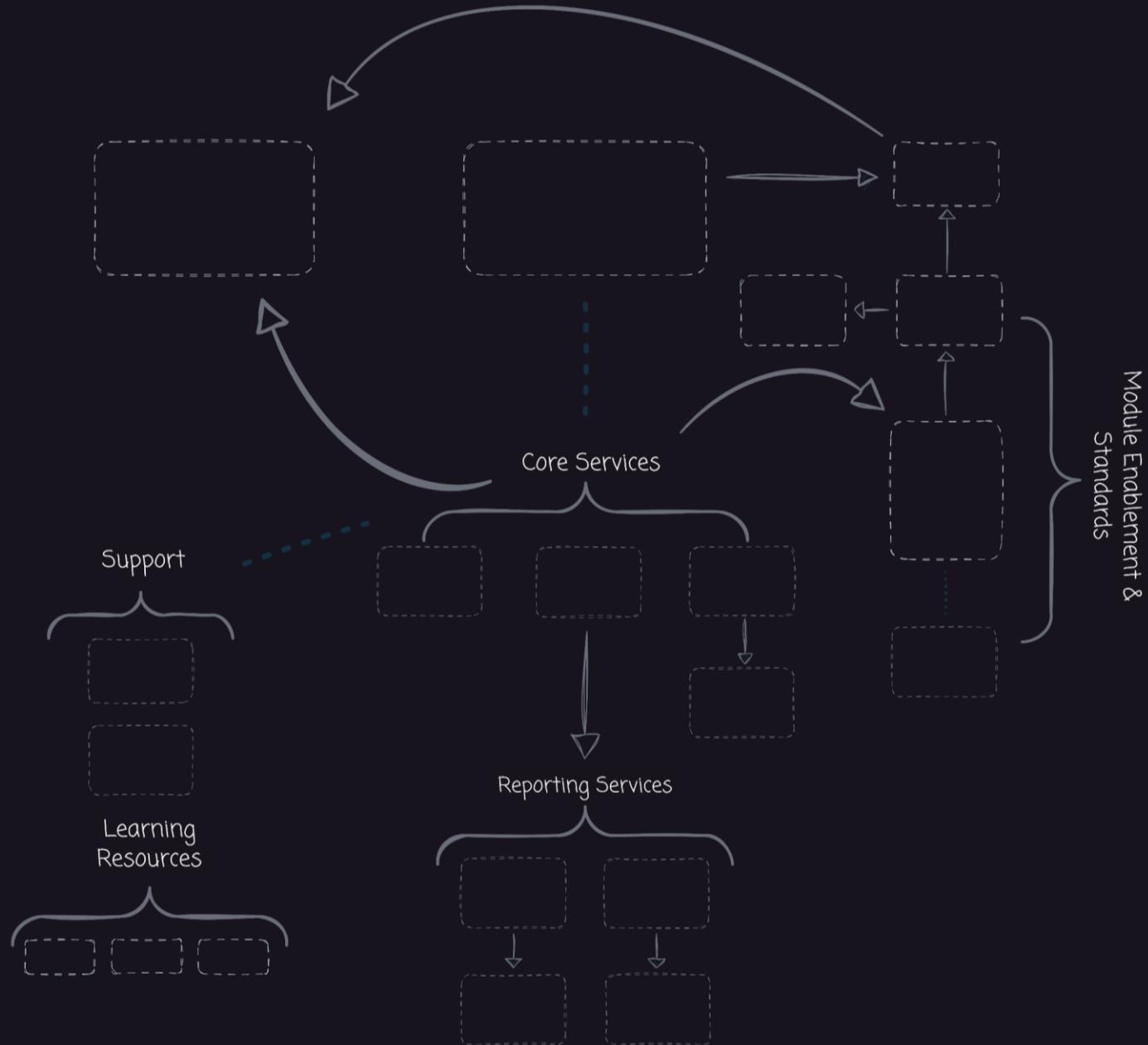
Current IaC Environment



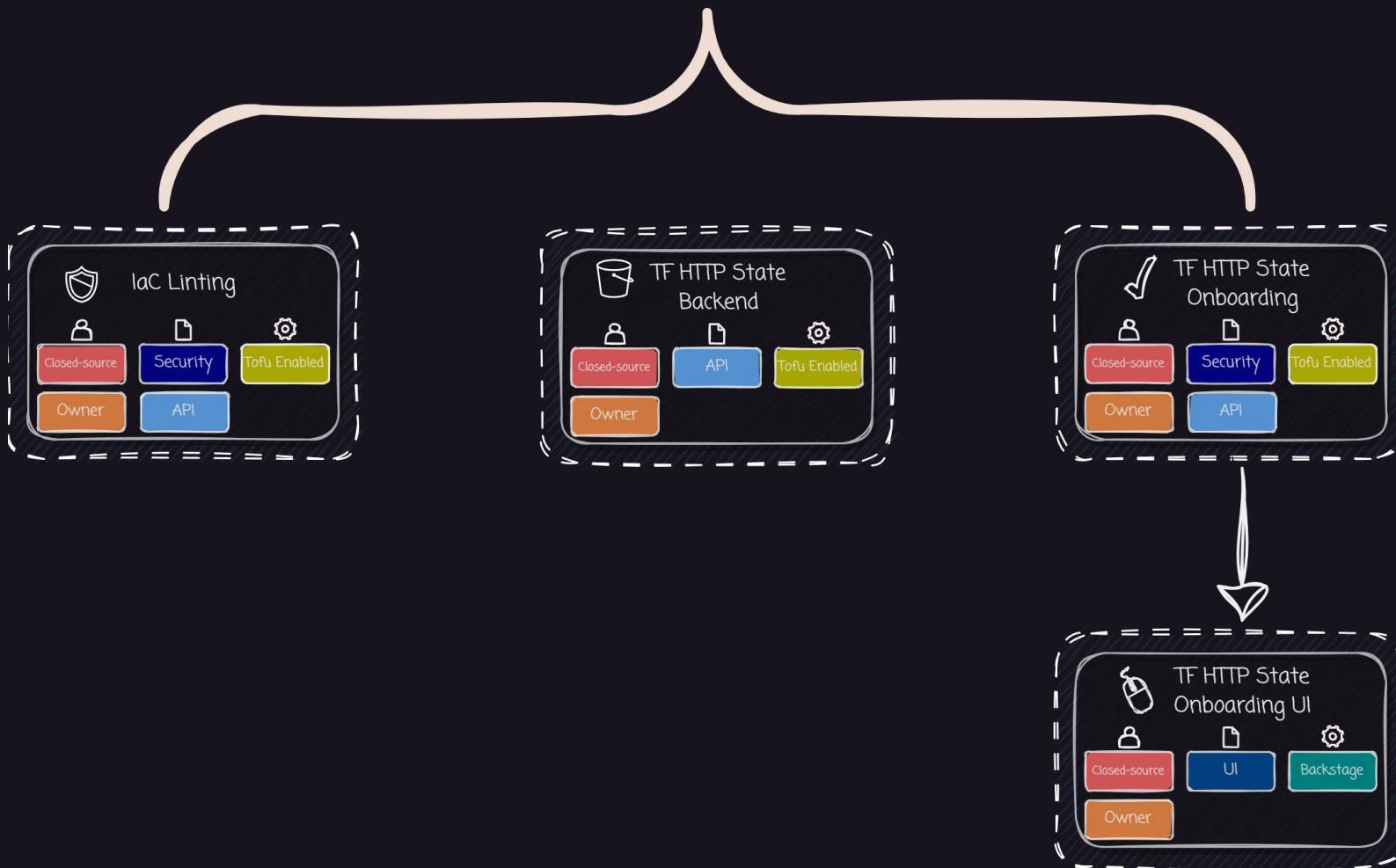


Fidelity IaC Platform Roadmap





Core Services



○ TF Providers to Internal APIs

Roles & Policies

Secrets Management

Network Association



Innersource

Maintainer



Self Service

IaC

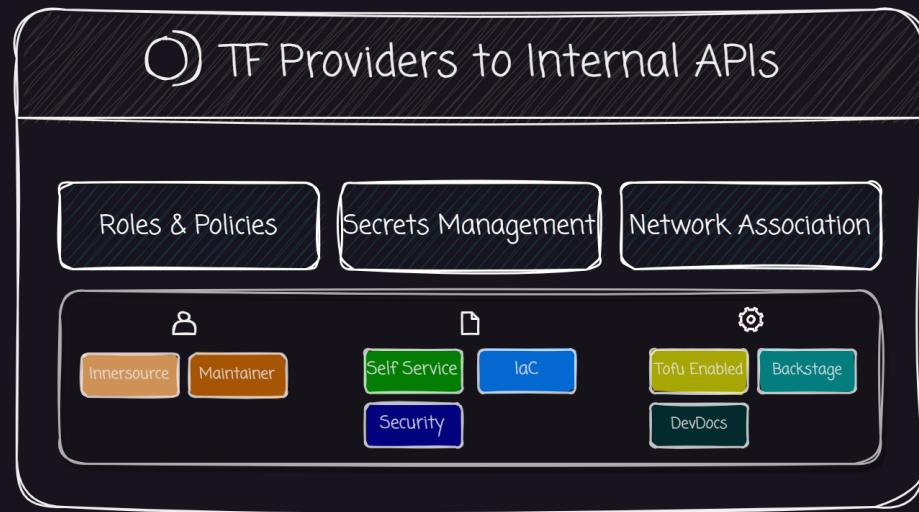
Security



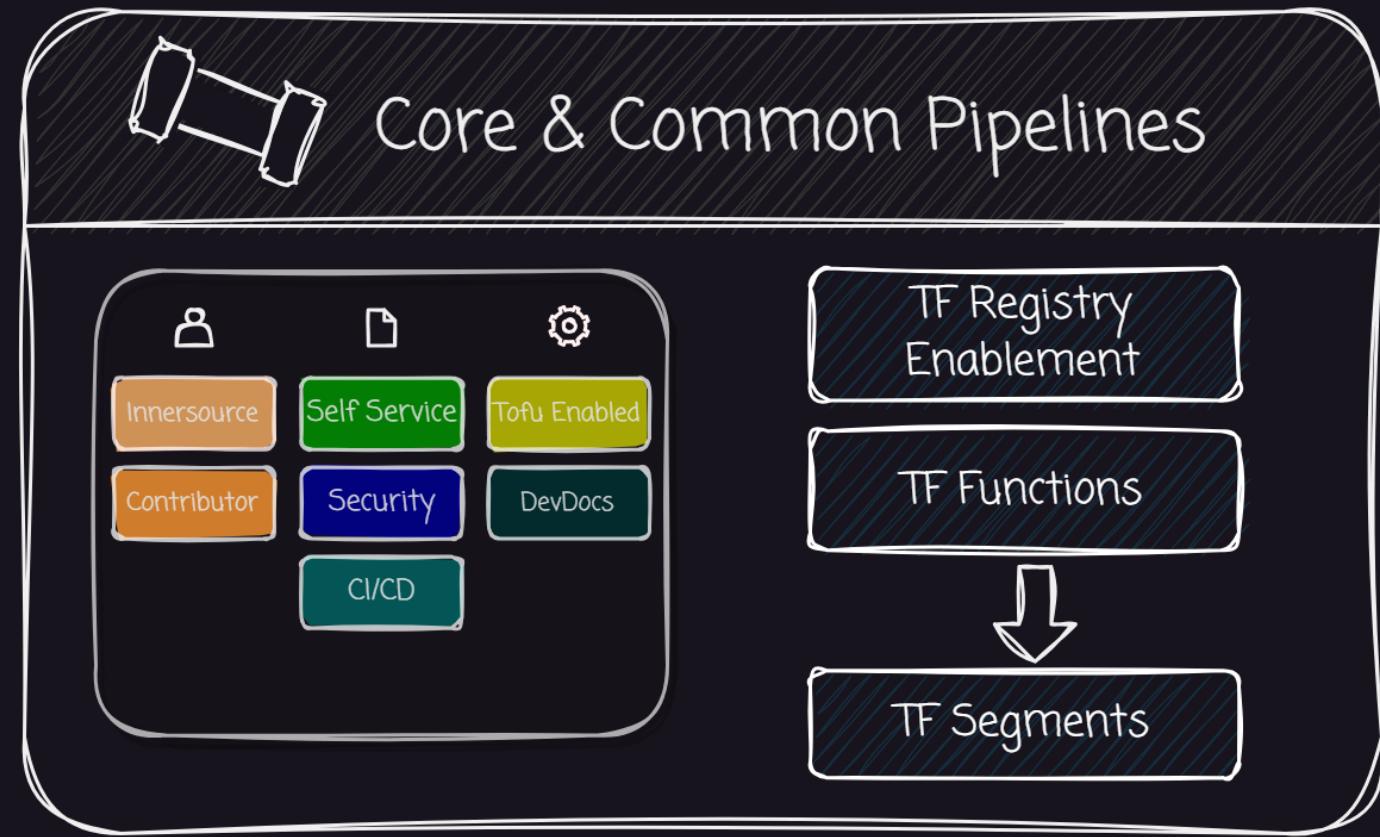
Tofu Enabled

Backstage

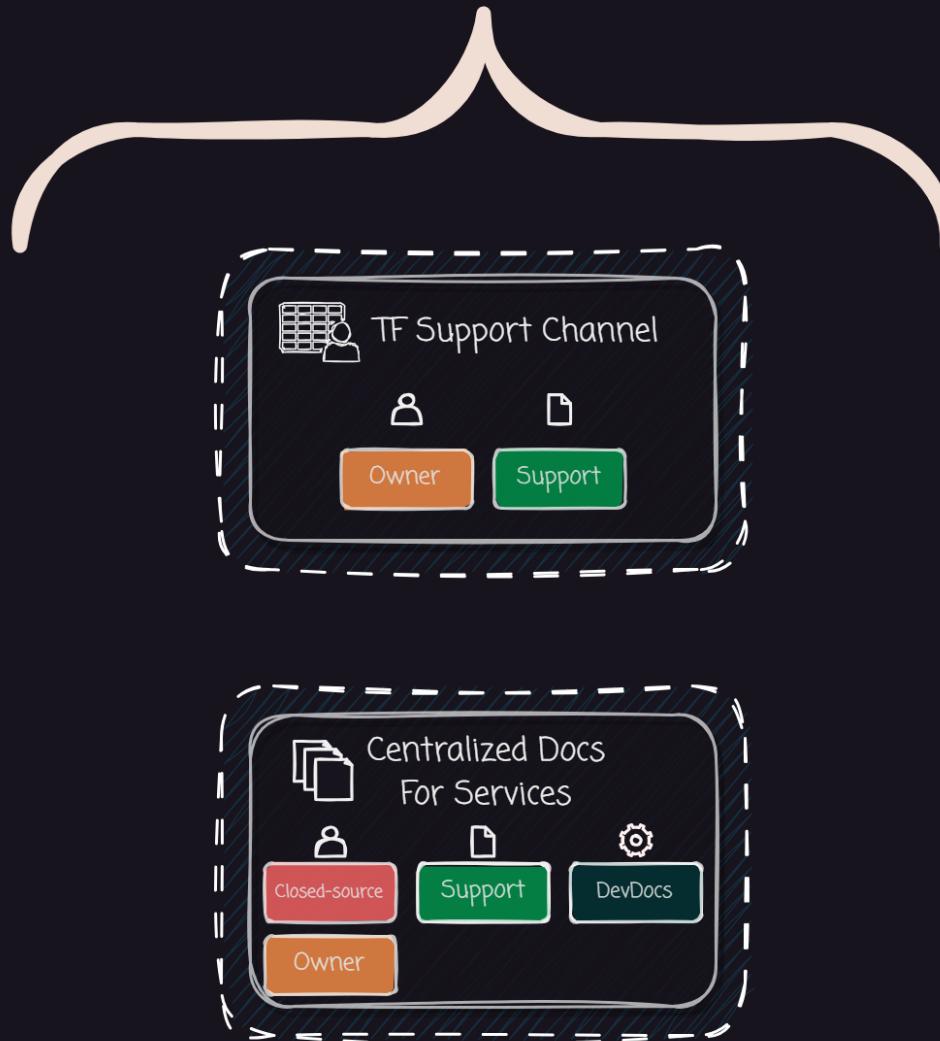
DevDocs

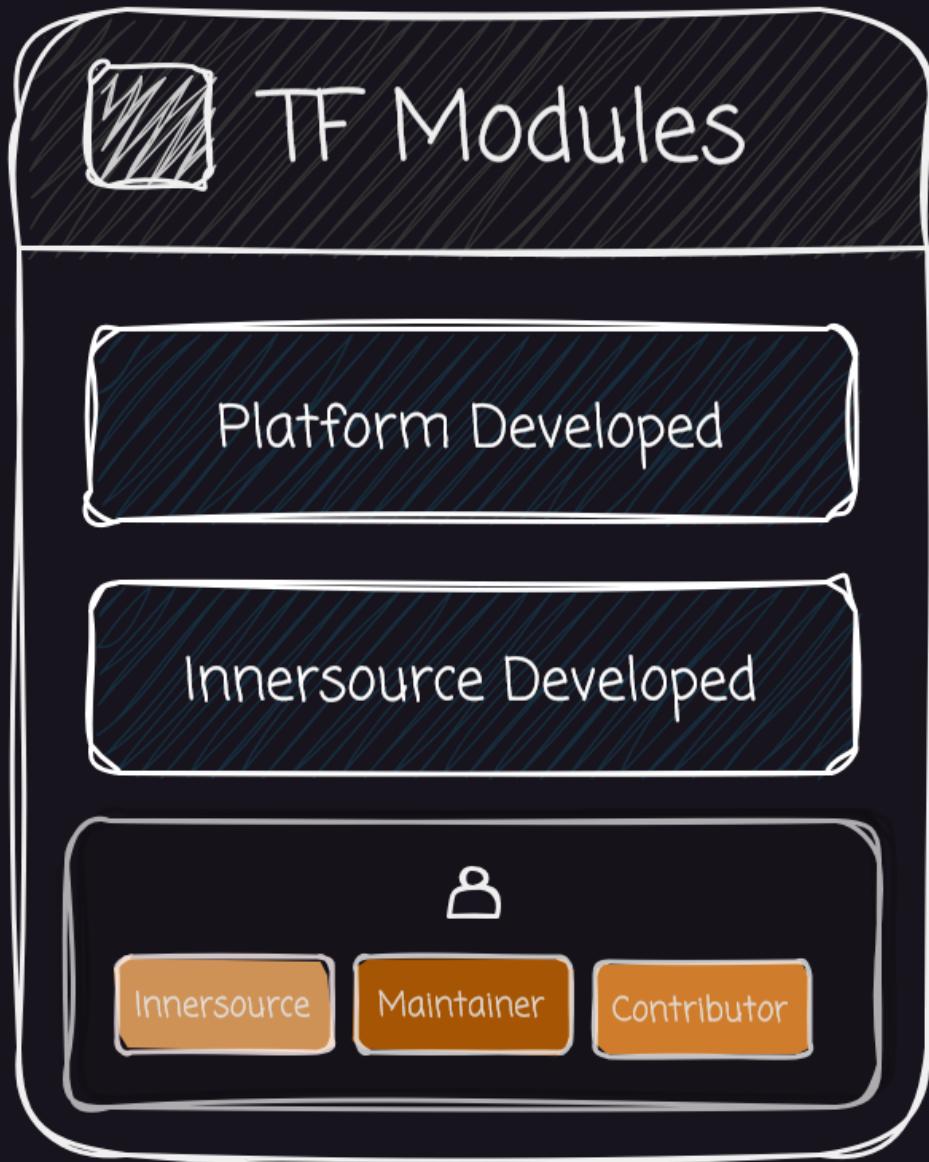


Now that we have a few internal providers,
a ***TF Provider & Module registry*** is key for letting users
discover and download providers

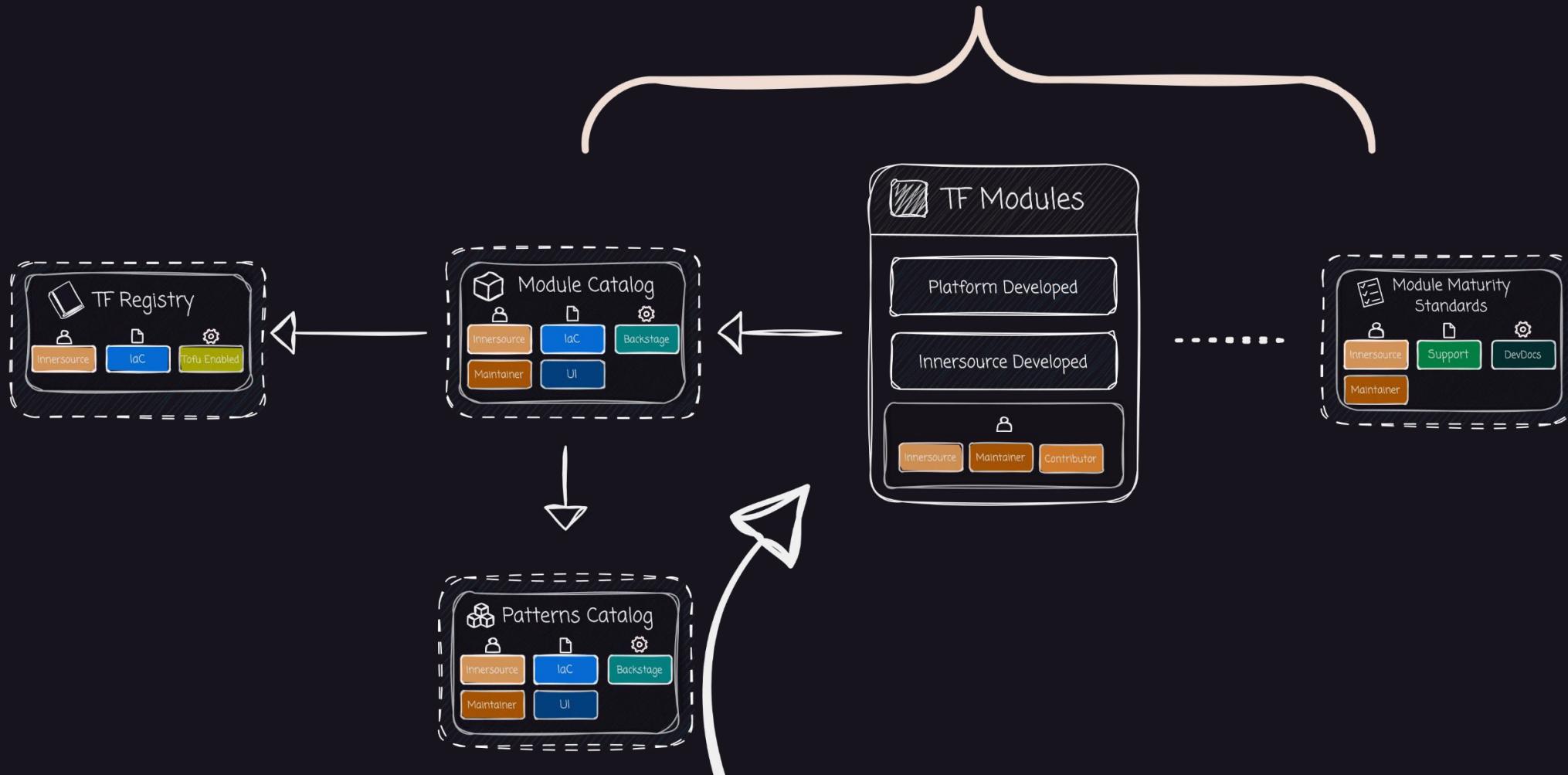


Support

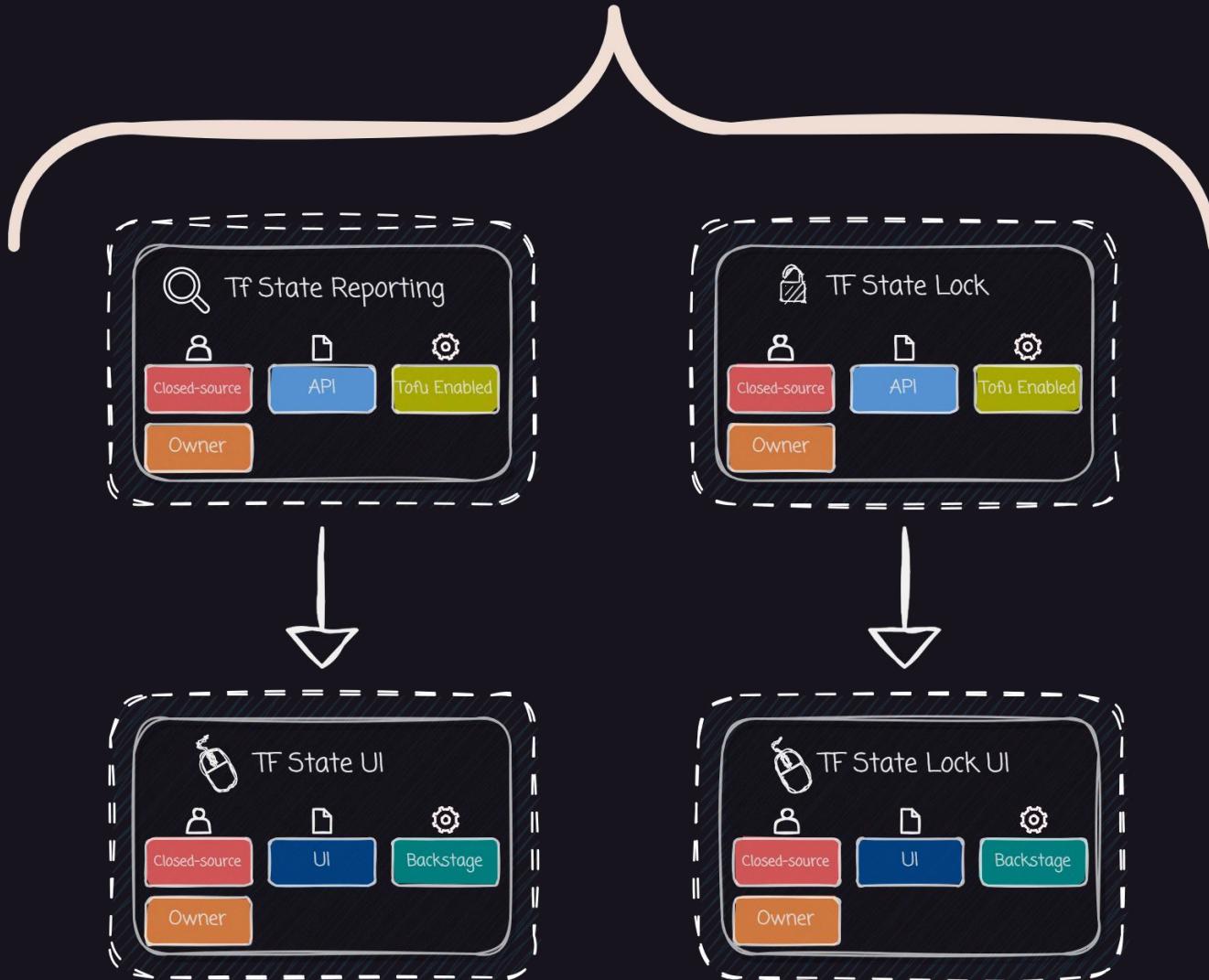




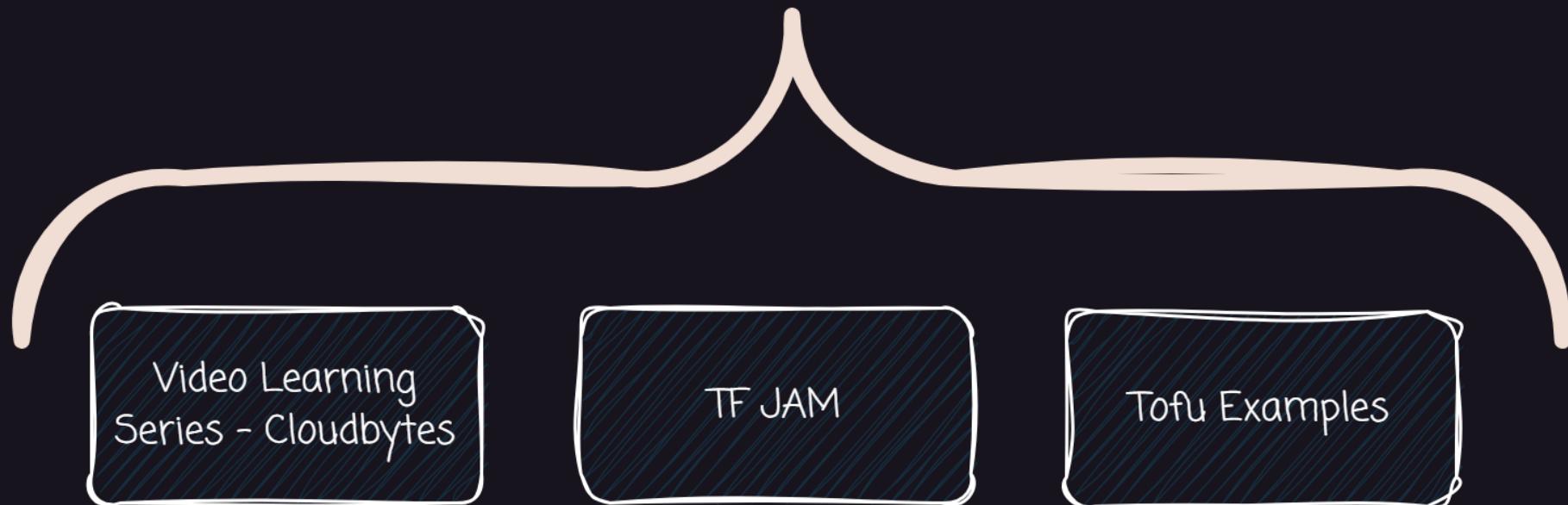
Module Enablement & Standards

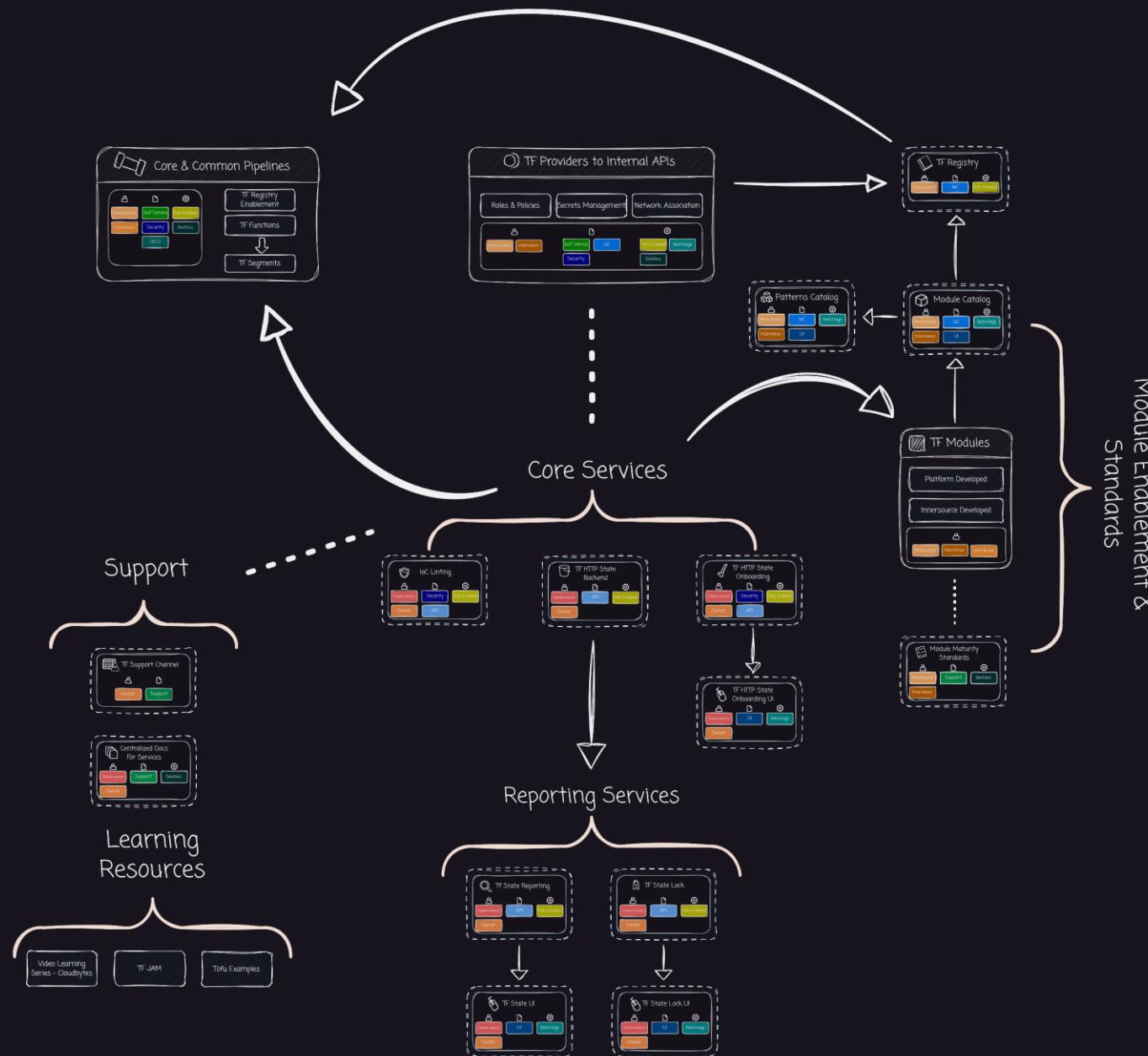


Reporting Services



Learning Resources





Lessons Learned

- ✓ Setup a TF module/provider registry early
 - ✓ Use developer documentation
 - ✓ Create a TF module catalog
- ✓ Negotiate a module maturity standard
 - ✓ Create self-service IaC tools
- ✓ Promote tools through learning sessions

OpenTofu Enablement

No changes

- ✓ Internal Providers
- ✓ Internal Modules
- ✓ HTTP State Backend
 - ✓ Terragrunt

Minor changes

- ✓ TF Registry (.terraformrc config)
 - ✓ Core & Common Pipelines
- (+ Tofu CLI, optional tfCLI parameters)



Fidelity CAREERS

THANK YOU

FIND YOUR FIDELITY