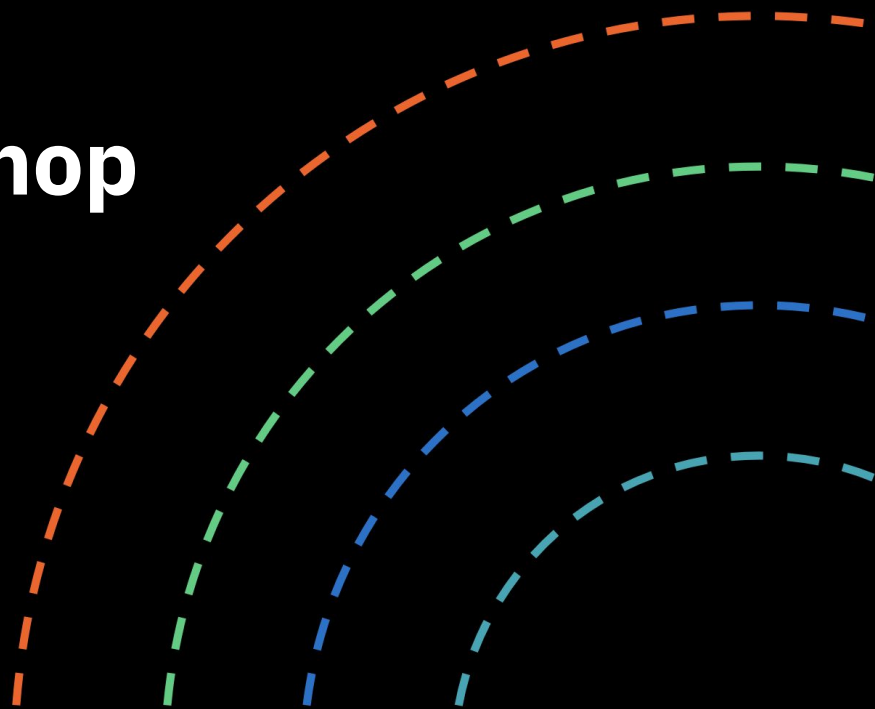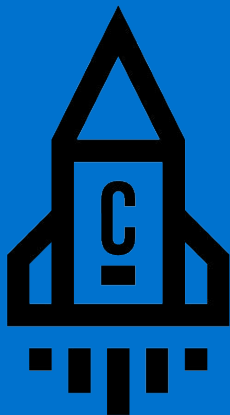# CAMUNDA

Camunda Days Workshop

Summer 2023

Agenda for this Workshop

Let's build some stuff!

We'll start with an overview of components that make up a Camunda cluster.

Then we'll design and build a simple process using BPMN and DMN, add connectors and other code to make executable, deploy to the engine, run, and iterate.

Very interactive, if there are topics you would like to dive deeper, please let me know.

Second half of the workshop will be Q&A

Sign up and follow along!

https://signup.camunda.com

Dave Paroulek

Solutions Architect

NA Presales and Consulting
Washington DC Area
(Fredericksburg Va)

20+ years of experience helping (mostly public sector) Enterprise Organizations integrate business software. I'm passionate about creating solutions that add value to people's lives and business. When I'm not building proof of concepts or hacking on side projects, you can find me sailing and fishing in the Chesapeake Bay with my wife and two sons.

Suggested Topics

- Common BPMN Modeling Patterns
- DMN and FEEL
- Approval Forms and Assigning Tasks
- Case Management
- Integrate with third party systems using Connectors
- What's a External Job Worker?
- Inbound Connectors
- Custom Connectors
- How to install Self Managed on Google Cloud, AWS, Azure, Openshift
- Kubernetes Architecture Questions
- Authentication and Authorization
- Custom Forms and Tasklist
- Zeebe (Event Stream) Internals

Camunda for Financial Services

Optimize customer experiences, streamline processes, and navigate regulatory challenges with ease.

Financial Services

Constrained by technical debt and outdated systems, financial organizations grapple with customer experience and compliance. Our process orchestration platform aids leaders like Morgan Stanley and Truist in achieving digital transformation and realizing significant savings, revenue, and more.

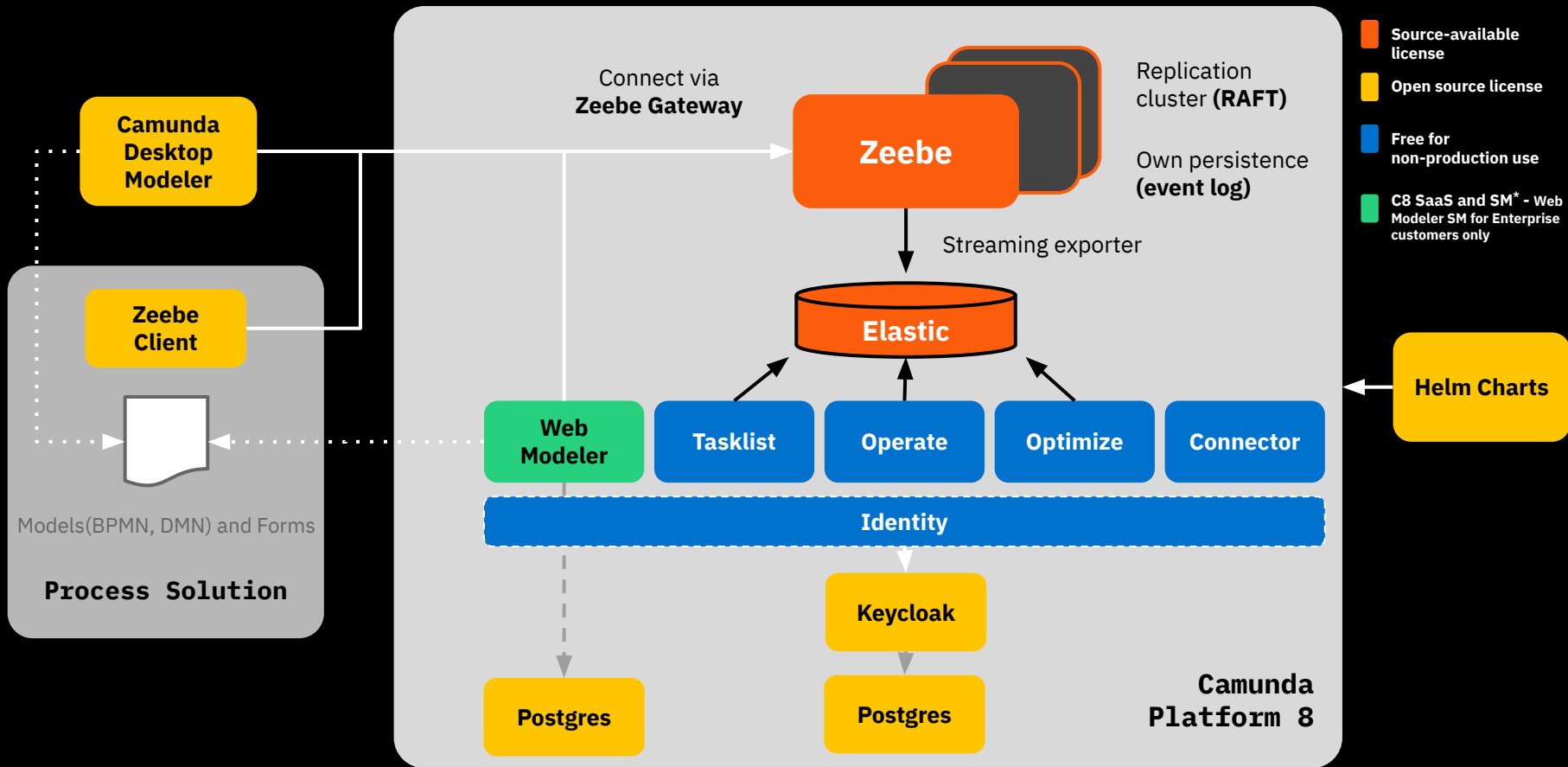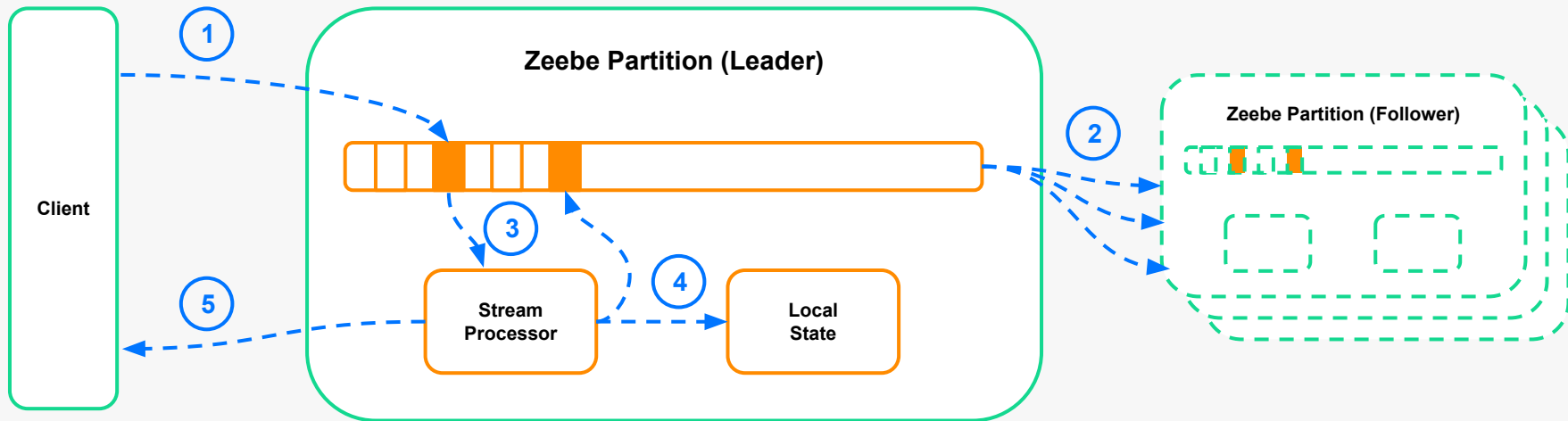|		
ACCOUNT OPENING & ONBOARDING	REAL-TIME PAYMENTS & RECONCILIATION	TRADE FINANCE & TRANSACTION PROCESSING
LOAN ORIGINATION & PROCESSING	AML & KYC COMPLIANCE	PORTFOLIO MANAGEMENT & ROBO-ADVISORY
FRAUD DETECTION & PREVENTION	CUSTOMER SERVICE & SUPPORT AUTOMATION	REGULATORY REPORTING & DATA MANAGEMENT

Components (Self-Managed)

C

Process Solution

Camunda Desktop Modeler

Zeebe Client

Models(BPMN, DMN) and Forms

Camunda Platform 8

Connect via **Zeebe Gateway**

Zeebe

Replication cluster **(RAFT)**

Own persistence **(event log)**

Streaming exporter

Elastic

Web Modeler

Tasklist

Operate

Optimize

Connector

Identity

Keycloak

Postgres

Postgres

Helm Charts

Legend
- Source-available license
- Open source license
- Free for non-production use
- C8 SaaS and SM* - Web Modeler SM for Enterprise customers only

Technical Deep Dive: Scaling Zeebe

Zeebe Partition (Leader)

Client

Stream Processor

Local State

Zeebe Partition (Follower)

1. Send & Append Command
2. Replicate & Commit Command
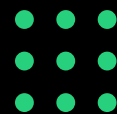3. Validate & Process Command
4. Apply to State & Write Event
5. Send Response

Thank You