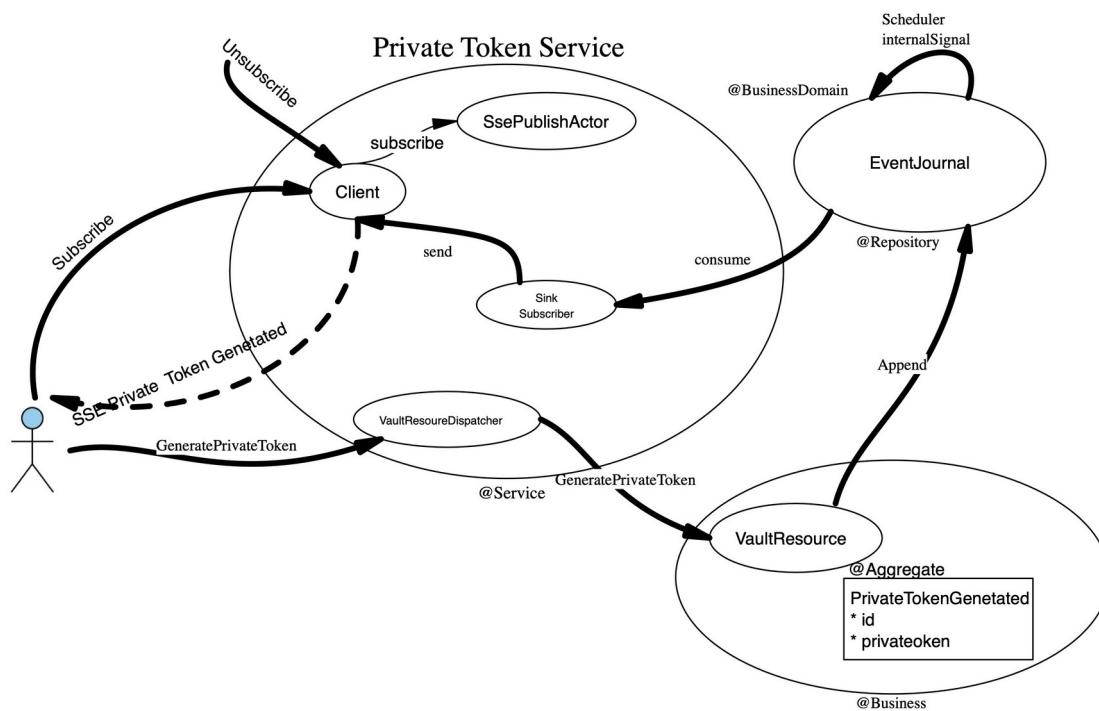# http-backend

The backend is a server that uses SSE Server Side Events
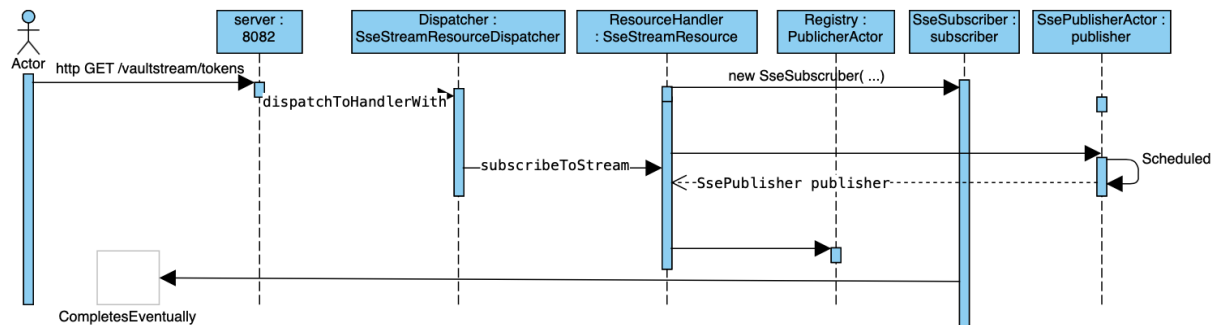
Client subscribe to vaultstream

Figure: Server side diagram for how backend builds up incommng listening to vaultstream/tokens. This takes place when http-frontend starts up.

streamName is mapped in **vlingo-http.properties**
in key **sse.stream.name.tokens** – here text after last dot is the streamName
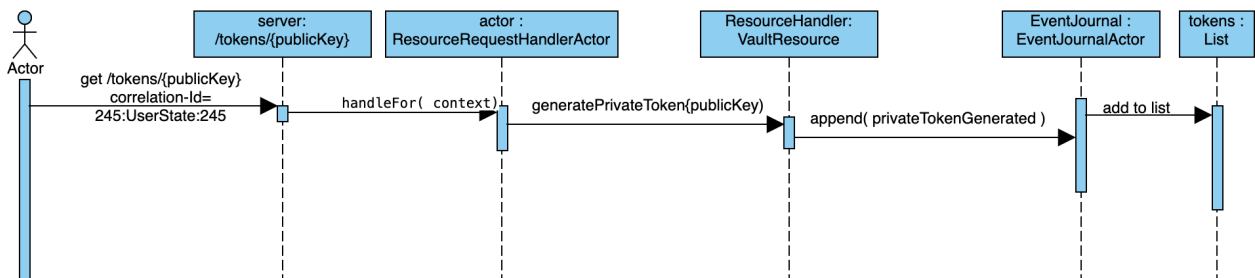
GeneratePrivateToken

Figure: a private token is generated from backend server by REST call to /tokens/{publicKey}

The correlation-Id must be set to something that the **vaultstream** subscribing client/request can correlate to.

Define server

To define the http web server (class Server) this sample uses two components from vlingo-http plugin. A vault component and a sse component.

This is basic what happens when server is declared.

1. A factory for TokenSseFeedActor is declated and stored in static factory
2. server reads property file called http-server.properties
3. Load web resources
    a) Load vault
    b) Load sse

A precondition to the server is that TokenSseFeedActor's factory must be declared because that ActorInstanceRegistry works together with properties in http-server.properties.
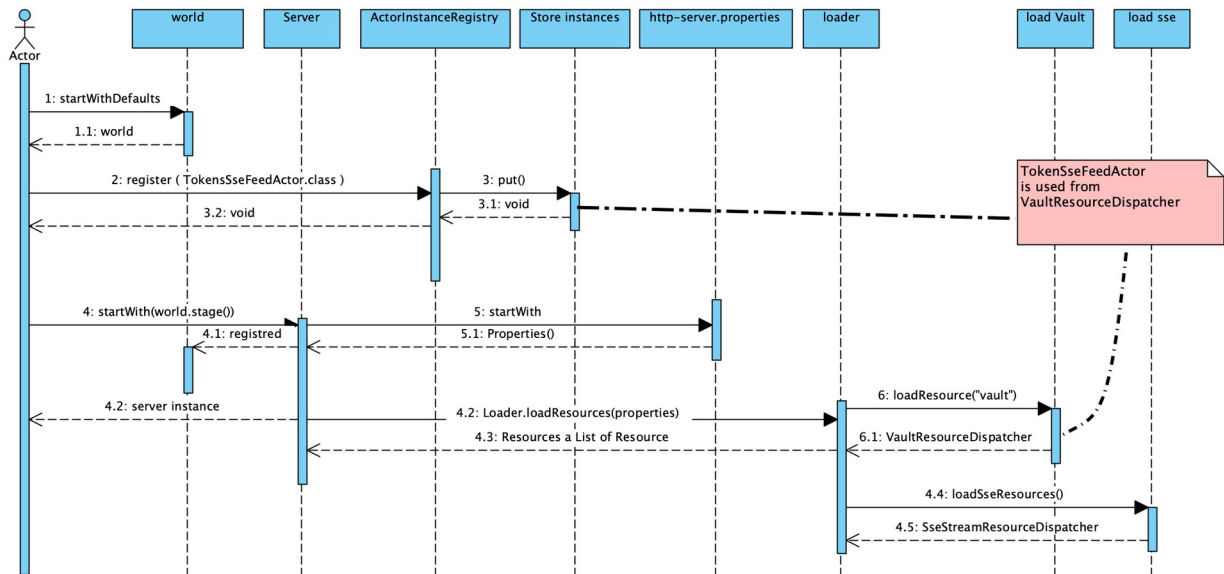
Sequence diagram how Server is configured and how http-server.properties is configured to to add two resources to the server.