





Visa deployment

Elaborated on Helm Chart development

- For Visa
- For external cloud providers
 - For Openstack
 - Rapid prototyping for a public cloud provider
- Dependencies
 - PostgreSQL
 - Redis
 - scaled the API deployment
- Leverage cluster services
 - Cert Manager
 - Flux
 - Sealed Secrets
 - NGINX Ingress (replacing reverse proxy from upstream deployment)
- Automated End-to-end tests with Playwright

Visa development

Updated image to ubuntu 22, latest Guacamole

- Following latest dev branch, Clients stopped polling and use web sockets meanwhile.
- Leveraging the Quarkus Framework:
 - Dev-ui
 - hot reload aka live coding feature
 - debug logs from instance running in target environment
- Started looking into the code
 - because larger RSA Keys wouldn't ft into Openstack's Metadata.
 - And Java version of the main release at this point (Java 14) not ready to support ED25519.
 - Found that Visa allows not to manage the public key at all.

 But.. this option not used upstream, just one first example of a small but relevant deployment particularity.

[eu.ill.vis.bus.ser.SignatureService] (Quarkus Main Thread) VISA not configured to send VISA PAM public key to instances

- not yet adapted some services that came up after PaNOSC, pending with growing to-do list:
 - VISA print, VISA FS, VISA Patch, VISA Security Groups