*Epics for NFR*

**Operations**

Define Playbooks

* Having a “playbook” produces 3x lower MTTR
  + Having hero generalists who can respond to everything works, but having playbooks works better

**Software engineering**

CordApp standard

* Manage all your software, all in one place related to DLT
* A uniform overview
* Metadata on tap
* Built standards (<https://github.com/corda/cordapp-template-java>) - this somewhat defines client layer but does not address NFR’s

Standard Onboarding playbook that plugs in NFR’s

**Monitoring systems**

Define vendor agnostic exporters that will work in both cloud native and static environments for log fanout to splunk & elk ( e.g fluentbit)

Goal Portability : We should be able to get consistent behavior in both env (Cloud Native, DC) without changing configuration export.

<https://docs.fluentbit.io/manual/pipeline/outputs/splunk>

<https://docs.fluentbit.io/manual/pipeline/outputs/elasticsearch>

Define Vendor-agnostic way to receive, process and export telemetry data

Goal Portability : We should be able to get consistent behavior in both env (Cloud Native, DC) without changing configuration export both for manual and auto instrumentation.

<https://opentelemetry.io/docs/instrumentation/java/>

Define SLO, SLI, SLA for DLT services

Define simple aleting for SLO - where human needs to take action immediately

**Production automation**

Configuration management

Configuring systems is a common task everywhere. It can be a tiring and frustratingly detailed activity, particularly if the engineer isn’t deeply familiar with the system they’re configuring or the configuration hasn’t been designed with clarity and usability in mind. Most commonly, you perform configuration in one of two scenarios: during initial setup when you have plenty of time, or during an emergency reconfiguration when you need to handle an incident.

Define and automate configuration management system that uses version control

Separate CI & CD

CI should include configuration build as well

Flow for Corda system changes

Flow for Cordapp changes

Flow for Client Changes