



Jumpin' Jack Simplex CX Framework

Work in progress proposal
JJSCXF v0.2

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Lima - Peru, London - UK

I+D+i Peru
www.idiperu.org

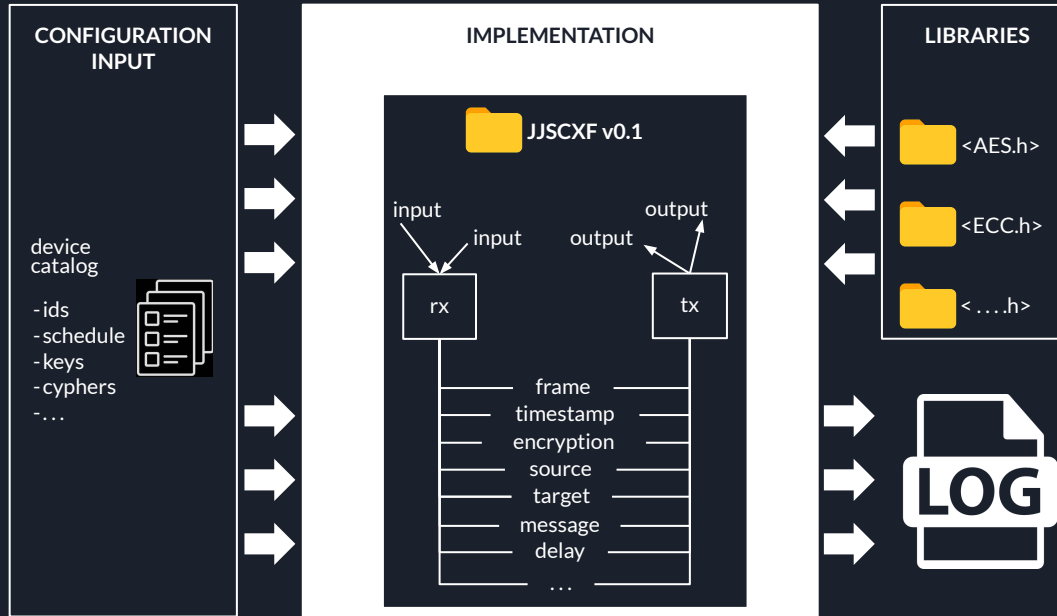
Cristian Amayo
cristian.amayo@idiperu.org



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Features & Resources



- Simplex signal
- Interchangeable TX/RX roles
- Self-aleatory configuration (schedule, encryption, messaging, protocol, frame)
- Non standard custom broadcast
- uniqueness broadcast
- Single/multi part messaging
- Hard/soft coding
- Star-P2P / CS-controller approaches
- Full TX/RX registry

Dev Envs

DISTRIBUTED



- PROS** Always updated libraries, self-management, 24x7, contingency responses, on-demand costs
- CONS** exposure, dependent running, partial control, contractual terms, remote allocation

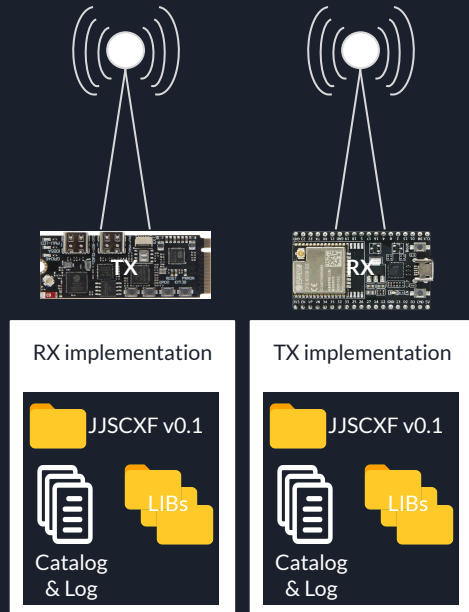
CENTRAL



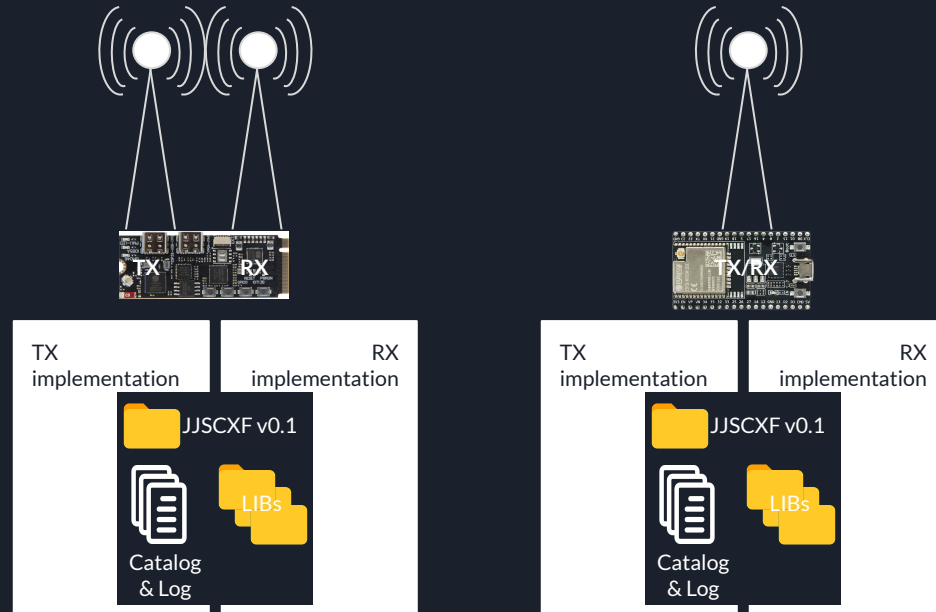
- PROS** full confidentiality, independent running, full control, own terms, 24x7, contingency responses
- CONS** maintenance workload, on-hands management, knowledge acquisition, cost wasting

Device Runtime

Single-role

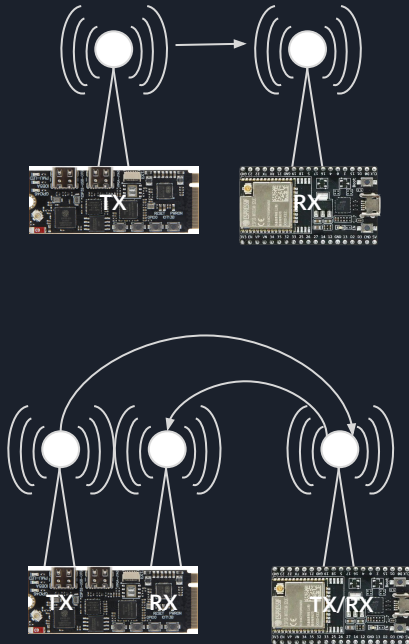


Multi-role

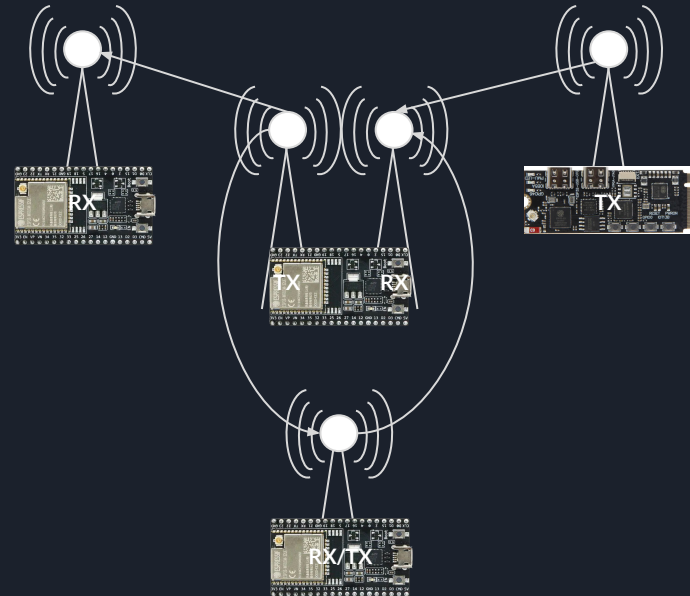


Topology: P2P vs Controller

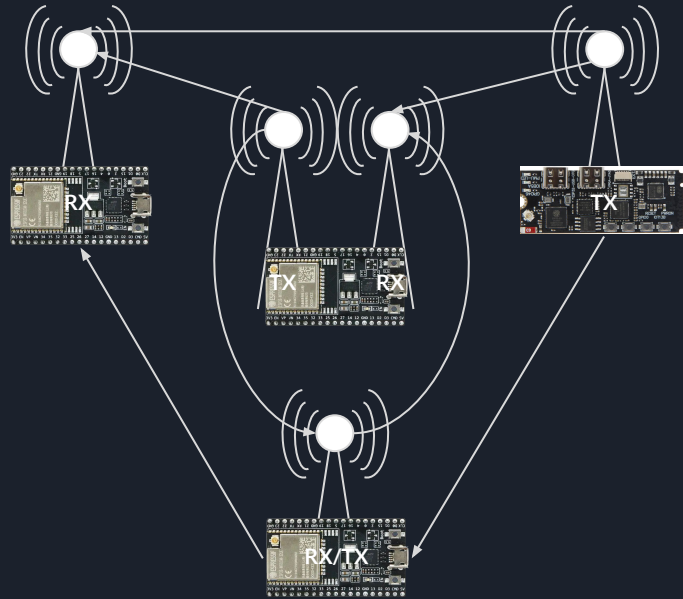
P2P



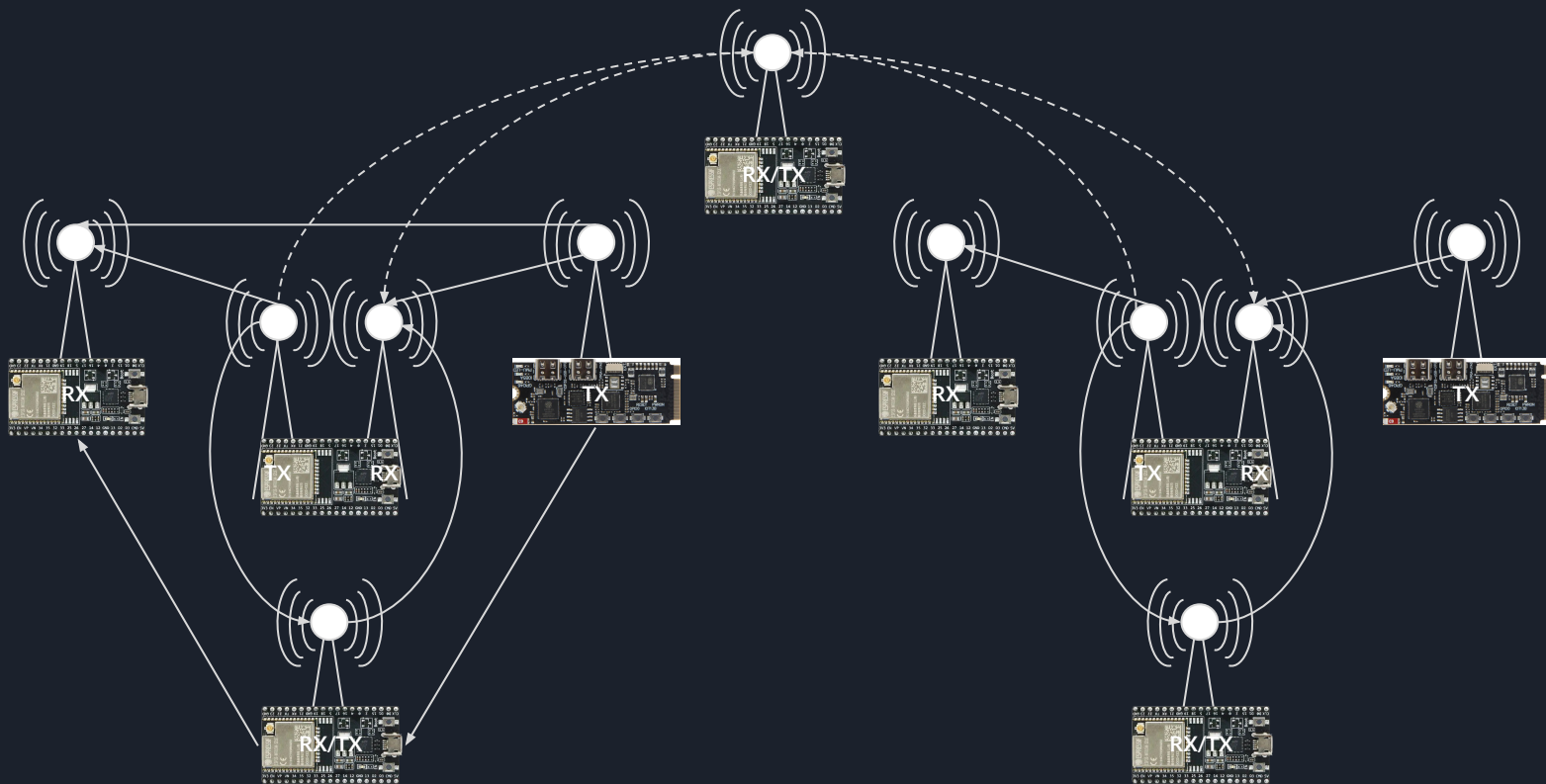
Controller



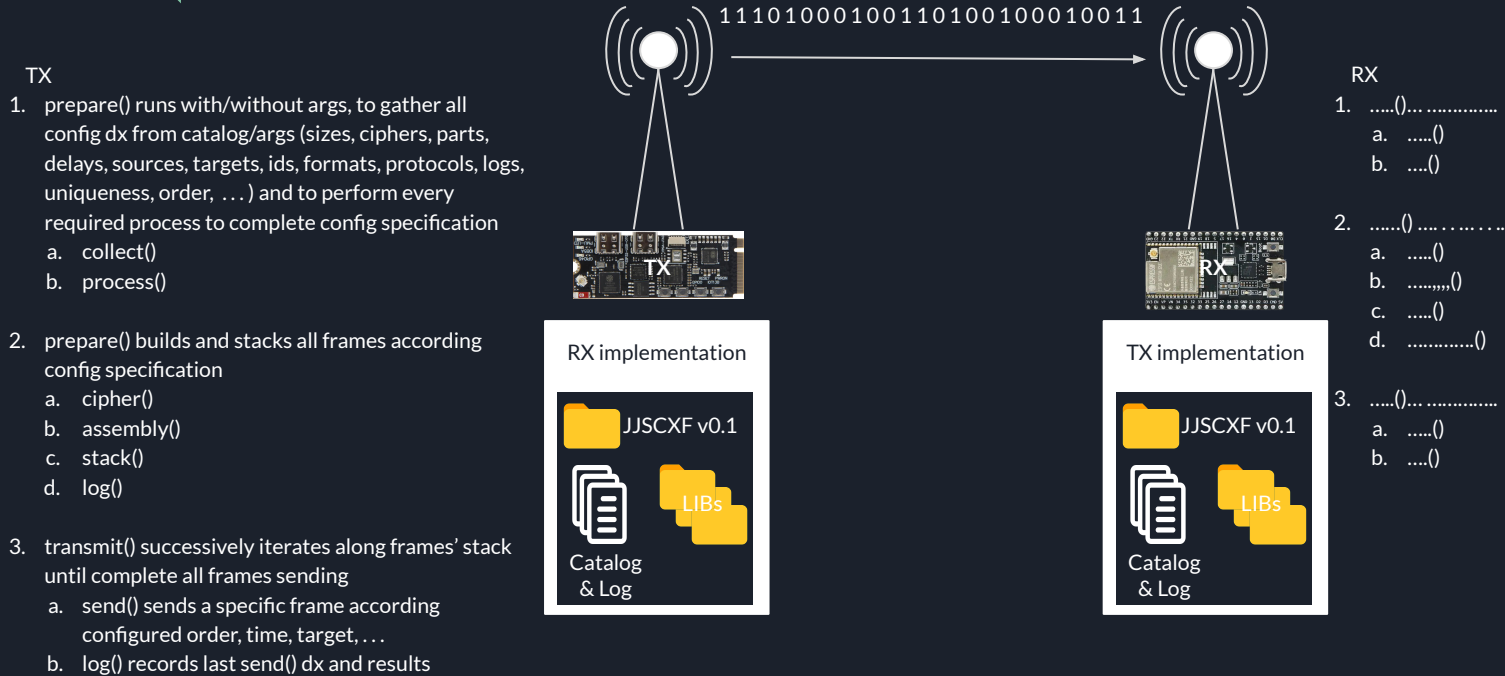
Topology: Grid



Topology: Cluster

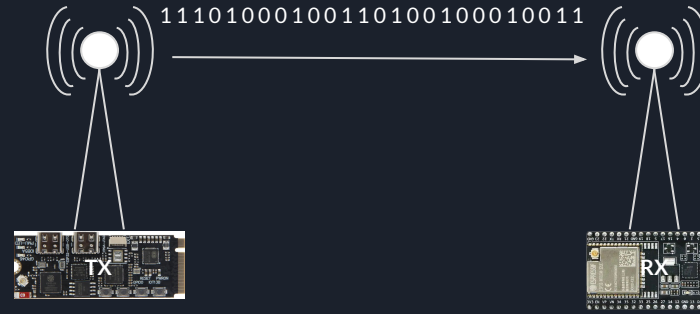


Transmission: non-scheduled



Transmission: scheduled

- TX
1.()... ..
a.()
b.()
 2.()
a.()
b.(),
c.()
d.().()
 3.()... ..
a.()
b.()



- RX
1.()... ..
a.()
b.()
 2.()
a.()
b.(),
c.()
d.().()
 3.()... ..
a.()
b.()

In-revision: amplitude, frequency, phase, band

