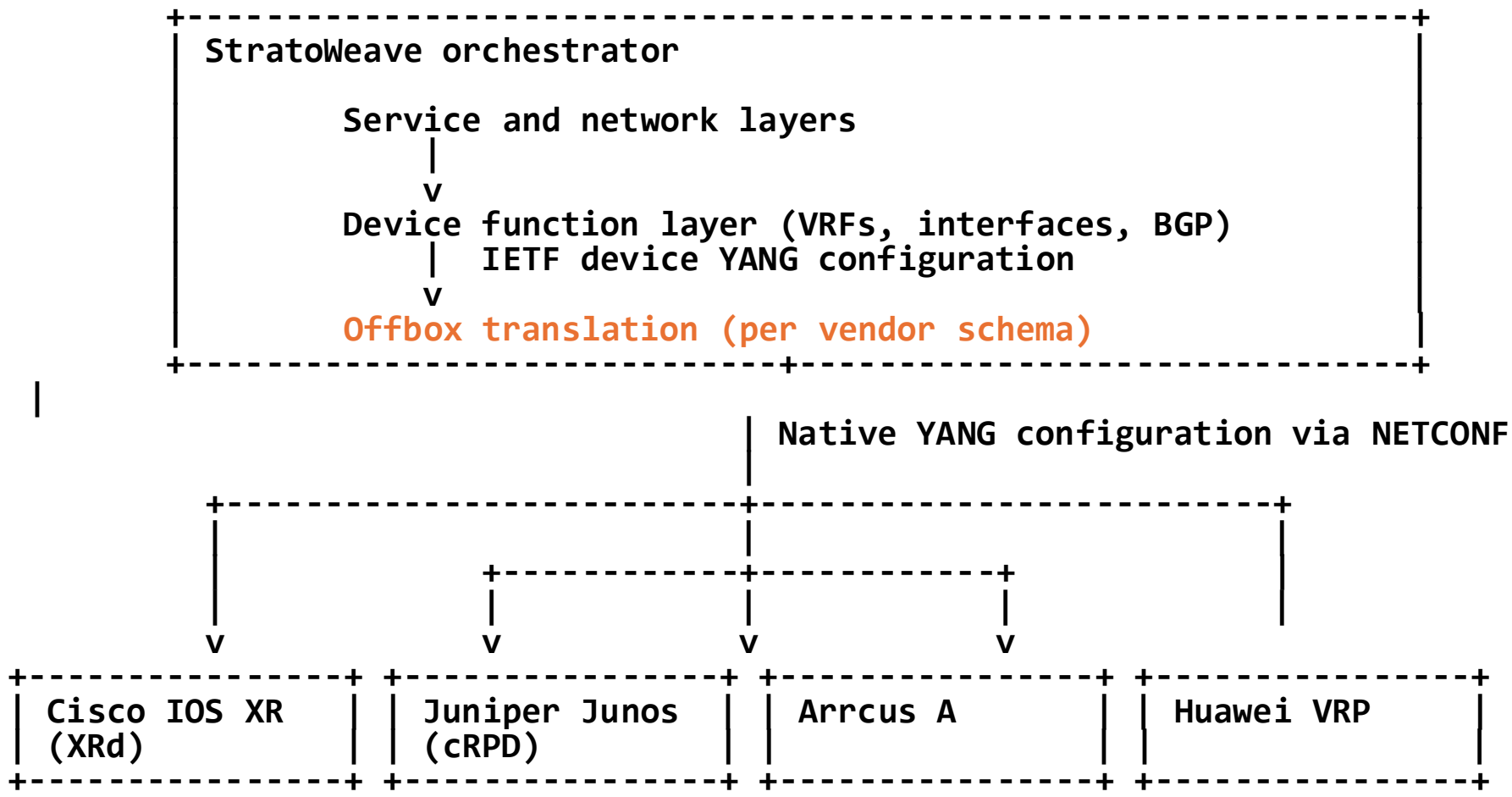
IETF device models, translated for real routers

draft-fl-nmop-device-yang-vendor-mapping-00



github.com/stratoweave
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Offbox translation



Hackathon results

(Partially) mapped **14 IETF device modules**

Interfaces, VRFs, BGP, IS-IS, MLPS, LDP, Routing policy, …

MPLS edge router delivering L3VPN services

Cisco XR, Juniper Junos, Arrcus ArcoOS, Huawei VRP

Four different vendors configured from scratch from just IETF device models!

Even a /24 has a vendor accent

IETF configuration in, native YANG configuration out

IETF model	192.0.2.1 + prefix length 24
Cisco IOS XR	192.0.2.1 + netmask 255.255.255.0
Juniper Junos	192.0.2.1/24 on a logical interface
Arrcus ArcOS	192.0.2.1 + prefix length 24
Huawei VRP	192.0.2.1 + netmask 255.255.255.0

StratoWeave translates offbox, configures over NETCONF

draft-fl-nmop-device-yang-vendor-mapping-00
ONSEN (Mon 09:00, Golden Gate 2)
NMOP (Thu 16:30, Golden Gate 3)

Bring your vendor YANG models, we'll bring the interpreter!

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