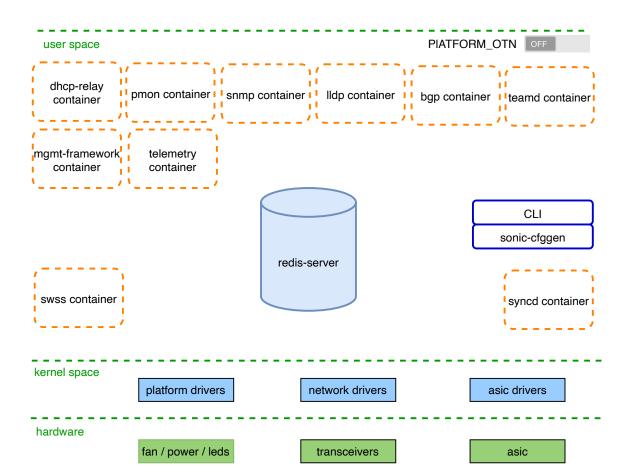


Switch/Router/...



Optical Transport Network





```
make configure PLATFORM=[ASIC_VENDOR] PLATFORM_ARCH=arm64

ASIC_VENDOR = [barefoot, broadcom, marvell, mellanox, ..., vs]

make target/sonic-ASIC_VENDOR.bin

make configure PLATFORM=[OTN_VENDOR] PLATFORM_ARCH=arm64

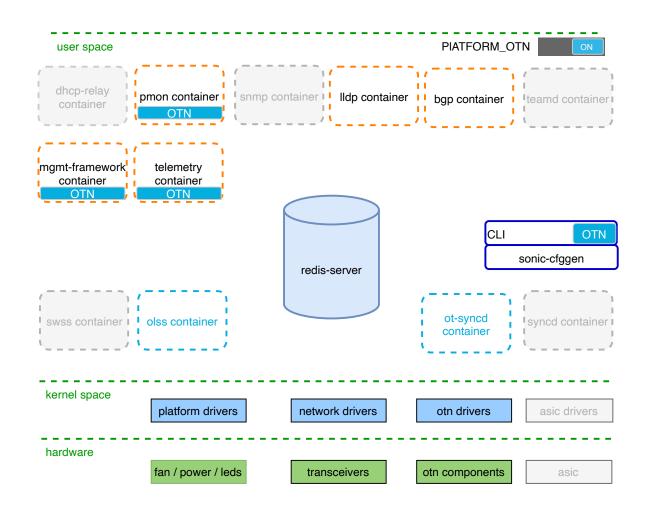
OTN_VENDOR = [ot-accelink, ot-molex, ot-infinera, ot-vs]

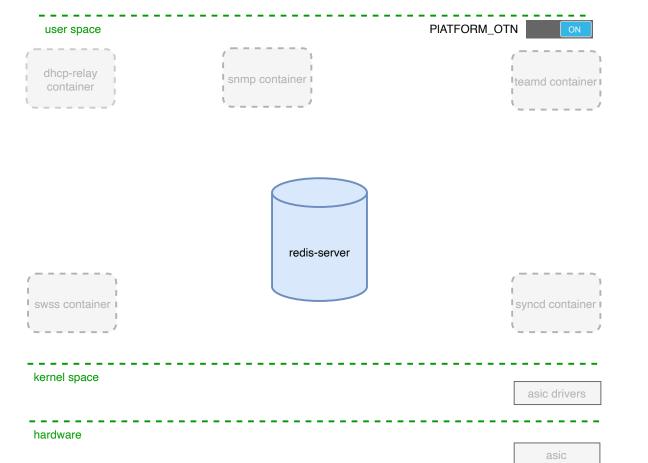
make target/sonic-OTN_VENDOR.bin
```

make configure PLATFORM=[ASIC_VENDOR]

feature toggle PIATFORM_OTN OFF

- All OTN feature are disabled
- Original SONiC for Switch and Router





make configure PLATFORM=[OTN_VENDOR]

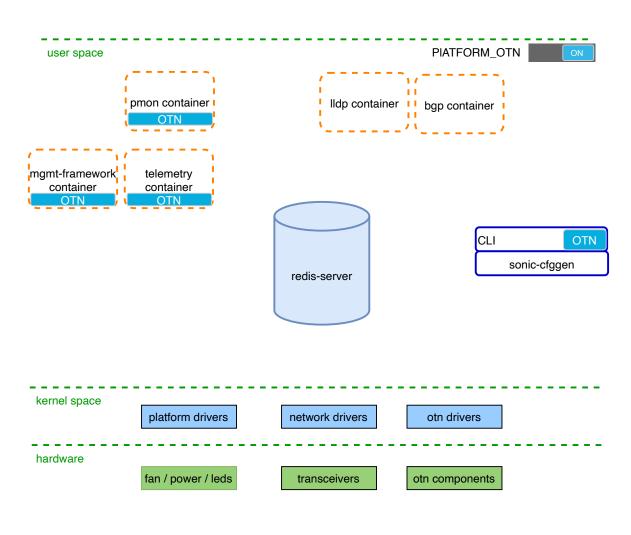
feature toggle PIATFORM_OTN

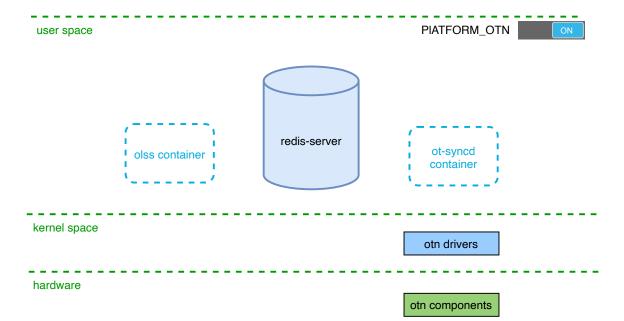
- All OTN features and enhancement are enabled
- Some SONiC IP features are disabled

feature toggle PIATFORM_OTN ON

Disabled Features:

- dhcp-relay container
- snmp containers
- teamd container
- swss container
- syncd container
- asic drivers





feature toggle PIATFORM_OTN

Features with OTN plug-in enhancement:

- pmon containers
- mgmt-framework container
- telemetry container
- CLI python package

Kept SONiC features

- bgp container
- lldp container
- sonic-cgtgen tools
- ...

feature toggle PIATFORM_OTN ON

New OTN services:

- olss (optical linecard state service) container
- ot-syncd (optical transport syncd) container

SONIC-OTN Group Kick off

sonic-otn group set-up and kick-off

Submit to SONiC master

Submit OTN plugin, services, drivers to SONiC master with virtual device implementation



2023 Q1

2023 Q2

2023 Q3

2023 Q4

We are here

2024 Q1

2024 Q2

2024 Q3

2024 Q4

Code Open Sourced

Alibaba and Accelink source code Open sourced, rounds of framework introduction, and discussion on HLD, OTAI

OTN Platforms

Accelink, Molex and Infinera implement OTN platform and submit to SONiC master