

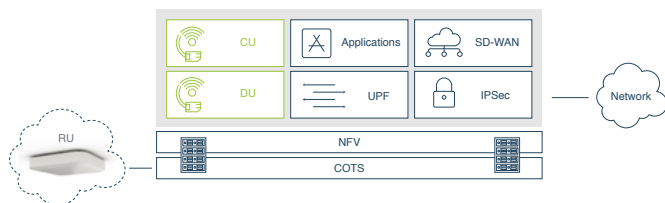
CYRUS[®] 2.0

Delivering Flexible 4G/ 5G RAN Solutions

CYRUS 2.0 is a single software stack for 4G & 5G cellular processing. It is fully virtualized across all layers and can run on any standard server or universal CPE and can connect to any radio using the ORAN 7.2 interface, enabling multiple enterprise and operator use cases.

A Single Software Stack for 4G and 5G cellular processing

- Fully virtualized across all layers
- Runs on any x86 server or universal CPE as VNFs on top of a virtualization layer
- Can connect to any radio using the ORAN 7.2 fronthaul interface
- Three main components:
 - CYRUS vCU
 - CYRUS vDU
 - CYRUS vManager



KEY FEATURES

- **Private network** Real-time, reliable, application-aware service delivery and ultra-low latency
- **Coverage as a service** Enabling network slicing and tiered access
- **Converged LAN and cellular** Routing cellular data on universal CPE
- **Single/Multi Operator** For no-strings attached decision making
- **Smart Analytics and geo-location information** Highly accurate, real-time information around location, and both user and network level behaviors

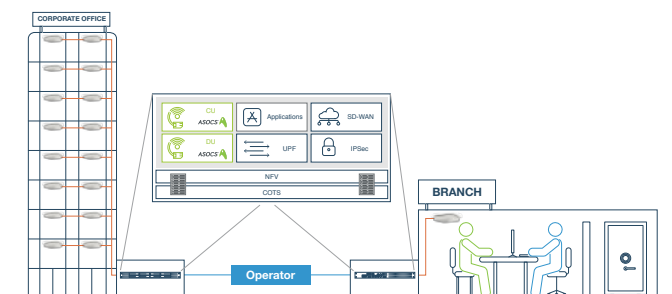
Deployment Models

CYRUS 2.0 is available in two deployment models:

- **Software only** - bring your own hardware – The software stack is provided by ASOCS and the operator or integrator purchases the hardware components (servers / CPEs, switches and 3rd party radios) separately
- **Full system** ASOCS provides an end-to-end solution including all system components: software, servers / CPEs, switches and 3rd party radios.

Multi-service Telco Edge Cloud – Convergence of Wireless & Wireline

Today, operators are already offering their business customers services like internet, security, SD-WAN and more on CPEs. CYRUS 2.0 is a pure software solution, which can run on any type of hardware, including a CPE. This enables carriers to offer 5G services to their enterprise customers alongside additional services already offered on their existing hardware platform.



About ASOCS

ASOCS is disrupting the traditional RAN market with an open and virtualized software solution, delivering 4G and 5G for both LAN and WAN cellular network solutions.

Our on-premise mobile clouds are delivered on commercial off-the-shelf IT hardware and O-RAN compliant radios, which allow operators and their customers to benefit from new levels of performance and reliability for delivering mission-critical tasks and localized private networks. It also provides enhanced insights and analytics about mobile usage.

Privately-held ASOCS serves carriers, tower companies, and enterprises in the retail, real estate, corporate offices, hospitality, hospitals and sports and entertainment markets, and has offices in Israel and the United States.

CYRUS 2.0 for LAN

A new approach for end-to-end in-building cellular connectivity

CYRUS 2.0 is offered as an end-to-end solution for LAN deployments.

An end-to-end solution based on CYRUS 2.0 eliminates the need for expensive DAS deployments, low-cost repeaters, and small cells by leveraging the following technologies:

- Standard Ethernet switches and low-cost power over Ethernet (PoE)-connected 3rd party radios. The switches utilize already installed networks for connectivity between the compute platform and the 3rd party radios.
- Having vRAN running on a server and being disaggregated from the radio units supports 3rd party radios from different manufacturers and that can be seamlessly upgraded to 5G 3rd party radios without a new RAN.

CYRUS 2.0 for LAN - End-to-End Solution Components

- | | |
|---|---|
| <ul style="list-style-type: none">• Software<ul style="list-style-type: none">• vCU + vDU• CYRUS vManager | <ul style="list-style-type: none">• Hardware<ul style="list-style-type: none">• Standard server or universal CPE• Standard switches and PoE• ORAN 7.2 Ethernet Fronthaul Radio |
|---|---|

WHAT'S IN IT FOR YOUR ENTERPRISE CUSTOMERS?

- **We can take care of EVERYTHING** The radio, the server, the software - we take care of it all
- **Wi-Fi-like installation - it's that easy** Install your cellular network as easily as other organizational IT systems - upgrade, scale up, make changes as needed
- **Complete flexibility** We support an Infrastructure-as-a-service business model, so carriers can offer complete control, flexibility and scalability
- **Tailored and prioritized cellular access** Ensure reliable cellular service specifically tailored to different needs and requirements, in real-time

CYRUS 2.0 for WAN

Unbundling mobile networks with virtualized base stations

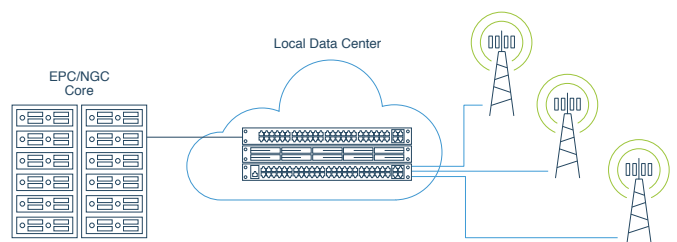
CYRUS 2.0 for WAN offers a single software stack for 4G & 5G cellular processing, including central and distributed units (vCUs, vDUs), with open interfaces to third party 3rd party radios, cloud infrastructure and management systems, enabling fully virtualized, end-to-end cloud-native mobile networks for mobile operators looking to deploy either greenfield networks or upgrade existing networks to 5G.

WHAT'S IN IT FOR MOBILE OPERATORS?

- Make vendor lock-in a thing of the past
- Gain control of network upgrades, TCO, and speed
- Work with COTS / standard CPEs - your scalability is now software-based
- Introduce various, innovation-driven business models
- Leverage edge computing to offer ultra-low latency

KEY FEATURES

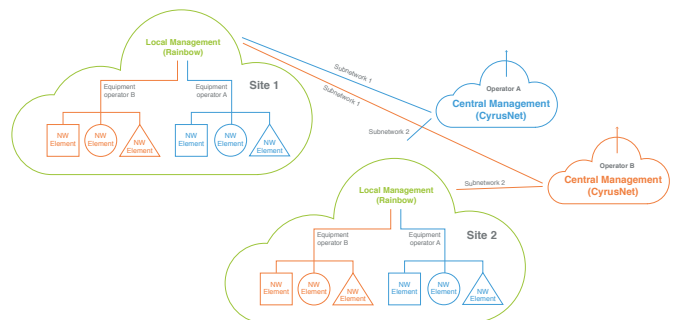
- ORAN 7.2 support
- Can be hosted in a range of locations
- Supports multiple network topologies



CYRUS Manager

CYRUS Manager includes 2 elements:

- **CYRUS Rainbow** local site management
 - Used for site configuration, performance monitoring, fault management and life cycle management (local healing and recovery)
 - Enables full separation between different operators
- **CYRUSNet** centralized management
 - Aggregation of multiple sites/subnetworks into a network
 - Northbound interface for running operations on the network level (e.g. reconfigure a certain parameter in the entire network)
 - Enables hierarchical view of the entire network



To learn more visit www.asocsccloud.com

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