

WIND RIVER STUDIO AND INTEL'S FLEXRAN REFERENCE ARCHITECTURE EVALUATION PACKAGE

Wind River® and Intel® have collaborated to make a downloadable, fully virtualized Open RAN reference architecture package to make it easier for our customers to evaluate Open RAN and enable proof of concept testing.

Wind River and Intel have developed an optimized and integrated 5G Open and vRAN solution that combines Intel field-proven RAN virtualization technologies with Wind River advanced cloud platform and orchestration software. It's based on the Intel® Select Solution for vRAN on Wind River Studio plus Intel's FlexRAN™ reference software for systems fueled by 3rd Gen Intel® Xeon® Scalable processors with built-in AI acceleration. The solution also features Intel® Ethernet 800 Network Adapters and the Intel® vRAN Dedicated Accelerator ACC100, all in concert with Wind River Studio. The companies' collaboration will further expand on these innovations by optimizing new capabilities delivered with the upcoming 4th Gen Intel® Xeon® Scalable processors (previously codenamed Sapphire Rapids).

To help our customers accelerate deployments, we have created an evaluation package that consists of Wind River Studio Cloud Platform pre-integrated with FlexRAN for download.

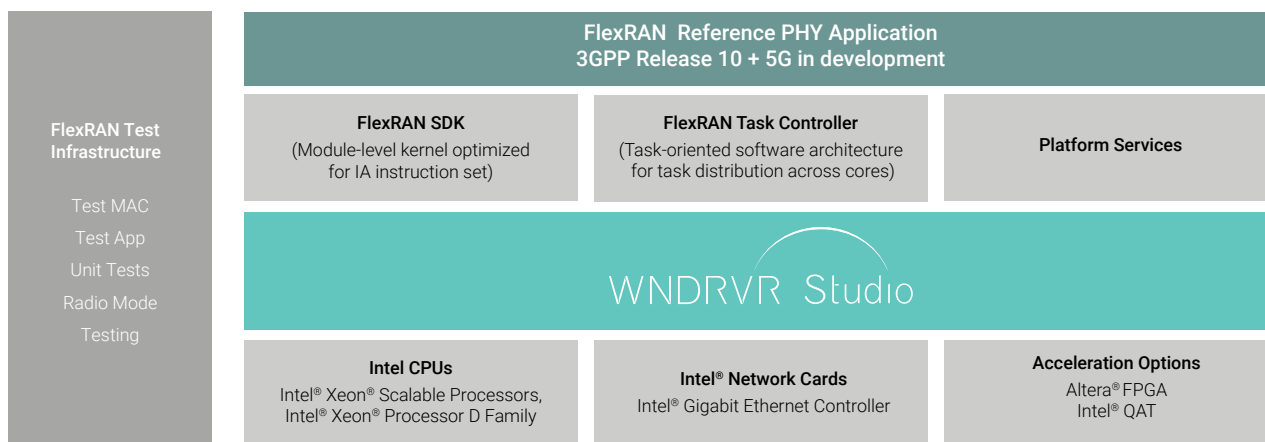


Figure 1. Intel FlexRAN Reference Solution for Wireless Access

With the evaluation package, you can:

- Easily set up Cloud Platform on 3rd Gen Intel® Xeon® Scalable processors
- Quickly set up a reference implementation of vRAN based on FlexRAN reference software
- Start running vRAN test cases right away

Because we have integrated a pre-built FlexRAN application docker image with Cloud Platform, it means you can quickly and easily launch the FlexRAN application to run test cases, rather than spending your time building from source code and generating a Docker image. And by using FlexRAN software as a reference implementation of vRAN, you can see how Cloud Platform makes vRAN application execution easier and more manageable in a distributed cloud environment than competing solutions.

WIND RIVER STUDIO

Studio is the first cloud-native platform for the design, development, operations, and servicing of mission-critical intelligent edge systems that require security, safety, and reliability. Studio operator capabilities include an integrated cloud platform unifying infrastructure, orchestration, and analytics so operators can deploy and manage their intelligent 5G edge networks globally.

Starting with a distributed cloud, Studio provides a production-grade Kubernetes cloud platform for managing edge cloud infrastructure. Based on the open source StarlingX project, Studio compiles best-in-class open source technology to deploy and manage containerized workloads in a distributed network.

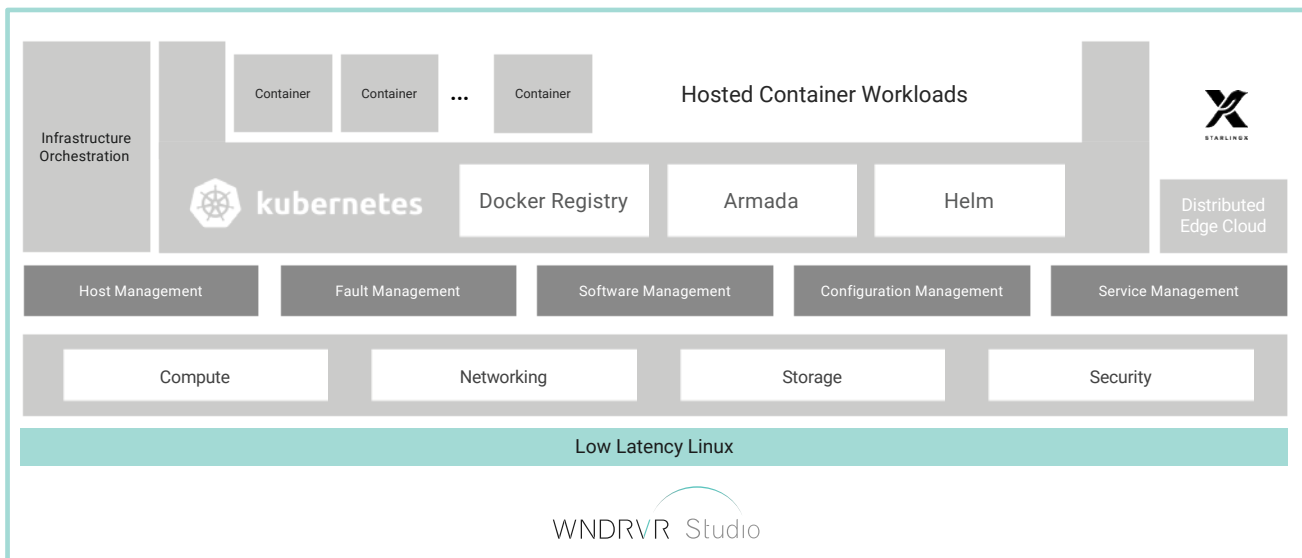


Figure 2. Wind River Studio Cloud Platform Software Architecture

Studio provides a host of features, including:

- **Reliability:** Support for meeting SLAs through fault management, performance, security
- **Scalability:** Deployable on one to thousands of distributed nodes, allowing a single system to be used from edge to core
- **Small footprint:** Ultra-low platform overhead, low power consumption, right-sized hardware solution
- **Ultra-low latency:** Deterministic, tunable performance optimized for the use case
- **Simplified day one and day two operations:** Zero touch provisioning and single-pane-of-glass host-level management
- **Edge security:** Software security to block tampering
- **Lifecycle management:** Simplified deployment and operations with full system management through comprehensive orchestration suited for the edge

To get started with the Wind River Studio and Intel FlexRAN reference architecture evaluation package, contact your Wind River or Intel account manager.

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