

# Intel® vRAN Baseband Driver and Tools for VMware ESXi

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## Release Notes

August 2023

Document ID: 19758

Package Name	vrان_ext_rel_bin_2.0.0.86-8.0.0-20613240.tar.gz
Release Date	08/24/2023
Supported Hardware	4th Generation Intel® Xeon® Scalable Edge Enhanced Processor (with Intel® vRAN Boost 1.0)  Intel® vRAN Accelerator ACC100 Adapter
Supported ESXi Version(s)	<a href="#">VMware ESXi 8.0 U1</a>
Driver Version	2.0.0.86
Package Checksum	SHA256: 950762724AE3EA0ECF813150843C2293FF1D85DF7B40D3A04F6D1DB2C10E4CA2

## 1 Release Details

This document contains release information on the accompanying Intel® vRAN Baseband Driver and Tools for VMware ESXi, Release 2.0.0.

### 1.1 Purpose

This is a release of the Intel vRAN Baseband Driver and Tools for VMware ESXi. This software is for 4th Generation Intel Xeon Scalable Edge Enhanced Processors (with Intel vRAN Boost 1.0) and Intel vRAN Accelerator ACC100 Adapter.

### 1.2 Features

This software enables and configures single root I/O virtualization (SR-IOV) for the Intel vRAN acceleration on VMware ESXi. SR-IOV enables the creation of virtual functions (VFs) from a single Intel vRAN device to support hardware acceleration for multiple guest virtual machines (VMs).

### 1.3 Package Contents

- Intel-vran\_2.0.0.86-1OEM.800.1.0.20613240\_22107919.zip – Driver and Tools component
- LICENSE.txt – License information
- README.txt – Driver and Tools installation information

### 1.4 Limitations

- This software release doesn't support updated SRS FFT Windowing Coefficients introduced in FlexRAN 23.07. Details on how to overcome this limitation is provided in README.txt.

### 1.5 Supported vRAN Software in guest VM

The software in this release has been validated with the following guest software:

- [FlexRAN™ Software Reference Solution v23.03 Release Announcement](#)

## 2 Updates

This release includes changes listed in the following sections.

### 2.1 Feature Addition and Enhancements

This is the first release for Intel vRAN Boost 1.0 on VMware ESXi. In addition, this software also supports Intel vRAN ACC100.

### 2.2 Bug Fixes

No bug fixes.

### 2.3 Known Issues

No known issues.

## 3 Installation and Testing

Installing Intel vRAN software on VMware ESXi:

- README.txt – part of the package content

Installing Intel vRAN software in the Linux VM:

- Intel vRAN User Guide for VMware ESXi – part of the software release
- [FlexRAN™ Reference Architecture for Wireless Access](#)

## 4 Additional Resources

- [4th Gen Intel Xeon Scalable Processors with Intel vRAN Boost](#)
- [An Overview of FlexRAN™ Software Wireless Access Solutions](#)
- [FlexRAN™ Software 5G NR Reference Solution PHY Software Documentation](#)
- [FlexRAN™ Software 4G Reference Solution PHY Software Documentation](#)

## 5 Customer Support

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