



# Cisco vWAAS on Cisco ISR-WAAS

This chapter describes how to use Cisco vWAAS on Cisco ISR-WAAS, and contains the following sections:

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## About Cisco ISR-WAAS

Cisco ISR-WAAS is the specific implementation of Cisco vWAAS running in a Cisco IOS-XE software container on a Cisco ISR-4400 Series router. **Container** in this context refers to a KVM hypervisor that runs virtualized applications on the Cisco ISR-4400 Series router.

The following table shows the default number of CPUs, memory capacity, disk storage and supported ISR platforms for each ISR model.

**Table 1: Cisco ISR Models: CPUs, Memory, Disk Storage and Supported Cisco ISR Platforms**

Cisco ISR-WAAS Model	CPUs	Memory	Disk Storage	Cisco ISR Platform Supported	Earliest Cisco WAAS Version Supported
ISR-WAAS-200	1	3 GB	151 GB	ISR-4321	5.2.1
	1	4 GB	151 GB	ISR-4321	6.2.3
ISR-WAAS-750	2	4 GB	151 GB	ISR-4351 ISR-4331 ISR-4431 ISR-4451	5.2.1
	4	6 GB	151 GB	ISR-4461	6.4.1b

Cisco ISR-WAAS Model	CPUs	Memory	Disk Storage	Cisco ISR Platform Supported	Earliest Cisco WAAS Version Supported
ISR-WAAS-1300	4	6 GB	151 GB	ISR-4431 ISR-4451	5.2.1
	4	6 GB	151 GB	ISR-4461	6.4.1b
ISR-WAAS-2500	6	8 GB	338 GB	ISR-4451	5.2.1
	6	8 GB	338 GB	ISR-4461	6.4.1b



**Note** For Cisco vWAAS in Cisco WAAS Version 6.2.3x or later, Cisco ISR-4321 with profile ISR-WAAS-200, ISR-WAAS RAM can be increased from 3 GB to 4 GB.

For this increase in ISR-WAAS RAM to be implemented, you must complete a new OVA deployment of Cisco WAAS version 6.2.3x or later; the increase in ISR-WAAS RAM is not automatically implemented with an upgrade to Cisco WAAS Version 6.2.3x or later.

## Supported Host Platforms, Software Versions, and Disk Types

The following table shows the platforms and software versions supported for Cisco vWAAS on Cisco ISR-WAAS.

**Table 2: Platforms and Software Versions Supported for Cisco vWAAS on Cisco ISR-WAAS**

PID and Device Type	Earliest Supported Cisco WAAS Version	Host Platforms	Earliest Supported Cisco IOS Version	Disk Type
PID: <b>OE-VWAAS-KVM</b>  Device Type: <b>ISR-WAAS</b>	6.4.1b (ISR-4461) 5.4.1 5.2.1 (ISR-4451)	ISR-4461 (vWAAS-750, 1300, 2500) ISR-4451(vWAAS-750, 1300, 2500) ISR-4431(vWAAS-750, 1300) ISR-4351 (vWAAS-750) ISR-4331 (vWAAS-750) ISR-4321 (vWAAS-750)	IOS-XE 3.9	ISR-SSD NIM-SSD

## Cisco OVA Packages for vWAAS on ISR-WAAS

Cisco provides an OVA or NPE OVA package for Cisco vWAAS on Cisco ISR-WAAS in the following formats:

- Cisco ISR-WAAS NPE OVA file:
  - For Cisco ISR-WAAS models 200, 750, 1300, 2500
  - File format example: **ISR-WAAS-6.4.5.75-npe.tar**
- Cisco ISR-WAAS OVA file:
  - For Cisco ISR-WAAS models 200, 750, 1300, 2500
  - File format example: **ISR-WAAS-6.4.5.75.tar**

For a listing of hypervisor OVA and NPE OVA files for Cisco vWAAS, see the [Cisco Wide Area Application Services \(WAAS\) Software Download Page](#) and select the Cisco WAAS software version used with your Cisco vWAAS instance.

## Deploying and Managing vWAAS on ISR-WAAS

The following table shows the components used to deploy Cisco vWAAS on Cisco ISR-WAAS.

**Table 3: Components for Deploying vWAAS on ISR-WAAS**

Package Format	Deployment Tool	Pre-Configuration	Network Driver
OVA	Ezconfig	onep	virtio_net

The following table shows the components used to manage Cisco vWAAS on Cisco ISR-WAAS.

**Table 4: Components for Managing vWAAS on ISR-WAAS**

vCM Models Supported	vWAAS Models Supported	Number of Instances Supported	Traffic Interception Method
N/A	vWAAS-200, 750, 1300, 2500	1	AppNav-XE

