



# Cisco vWAAS on Cisco ISR-WAAS

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

- [About Cisco ISR-WAAS, page 3-1](#)
- [Supported Host Platforms, Software Versions, and Disk Types, page 3-2](#)
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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.

[Table 3-1](#) shows the default number of CPUs, memory capacity, disk storage, and supported Cisco ISR platforms for each Cisco ISR model.

**Table 3-1 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 • ISR-4461	• 5.2.1
	• 4	• 6 GB	• 151 GB		• 6.4.1b
ISR-WAAS-1300	• 4	• 6 GB	• 151 GB	• ISR-4431, ISR-4451 • ISR-4461	• 5.2.1
	• 4	• 6 GB	• 151 GB		• 6.4.1b
ISR-WAAS-2500	• 6	• 8 GB	• 338 GB	• ISR-4451 • ISR-4461	• 5.2.1
	• 6	• 8 GB	• 338 GB		• 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

Table 3-2 shows the platforms and software versions supported for Cisco vWAAS on Cisco ISR-WAAS.

**Table 3-2** Platforms and Software Versions Supported for Cisco vWAAS on Cisco ISR-WAAS

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

## Cisco OVA Packages for Cisco vWAAS on Cisco ISR-WAAS

Cisco provides an OVA or NPE OVA package for Cisco vWAAS on Cisco ISR-WAAS in the formats shown in Table 3-3.

**Table 3-3** Cisco OVA Package Formats for Cisco vWAAS on Cisco ISR-WAAS

Package Format	File Format Example
Cisco ISR WAAS (200, 750, 1300, 2500) NPE OVA file	ISR-WAAS-6.4.3c-b-42-npe.ova
Cisco ISR WAAS (200, 750, 1300, 2500) OVA file	ISR-WAAS-6.4.3c-b-42.ova

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

# Deploying and Managing Cisco vWAAS on Cisco ISR-WAAS

Table 3-4 shows the components used to deploy Cisco vWAAS on Cisco ISR-WAAS.

**Table 3-4** *Components for Deploying Cisco vWAAS on Cisco ISR-WAAS*

Package Format	Deployment Tool	Network Driver
OVA	Ezconfig	virtio_net

Table 3-5 shows the components used to manage Cisco vWAAS on Cisco ISR-WAAS.

**Table 3-5** *Components for Managing Cisco vWAAS on Cisco ISR-WAAS*

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

