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## Overview of F5 BIG-IP Container Ingress Services¶

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F5

BIG-

IP

### **Note**

CIS is sometimes referred to as *Controller* in previous versions of the documentation and on GitHub. These terms are interchangeable.

~~Container Ingress Service~~  
compatibility

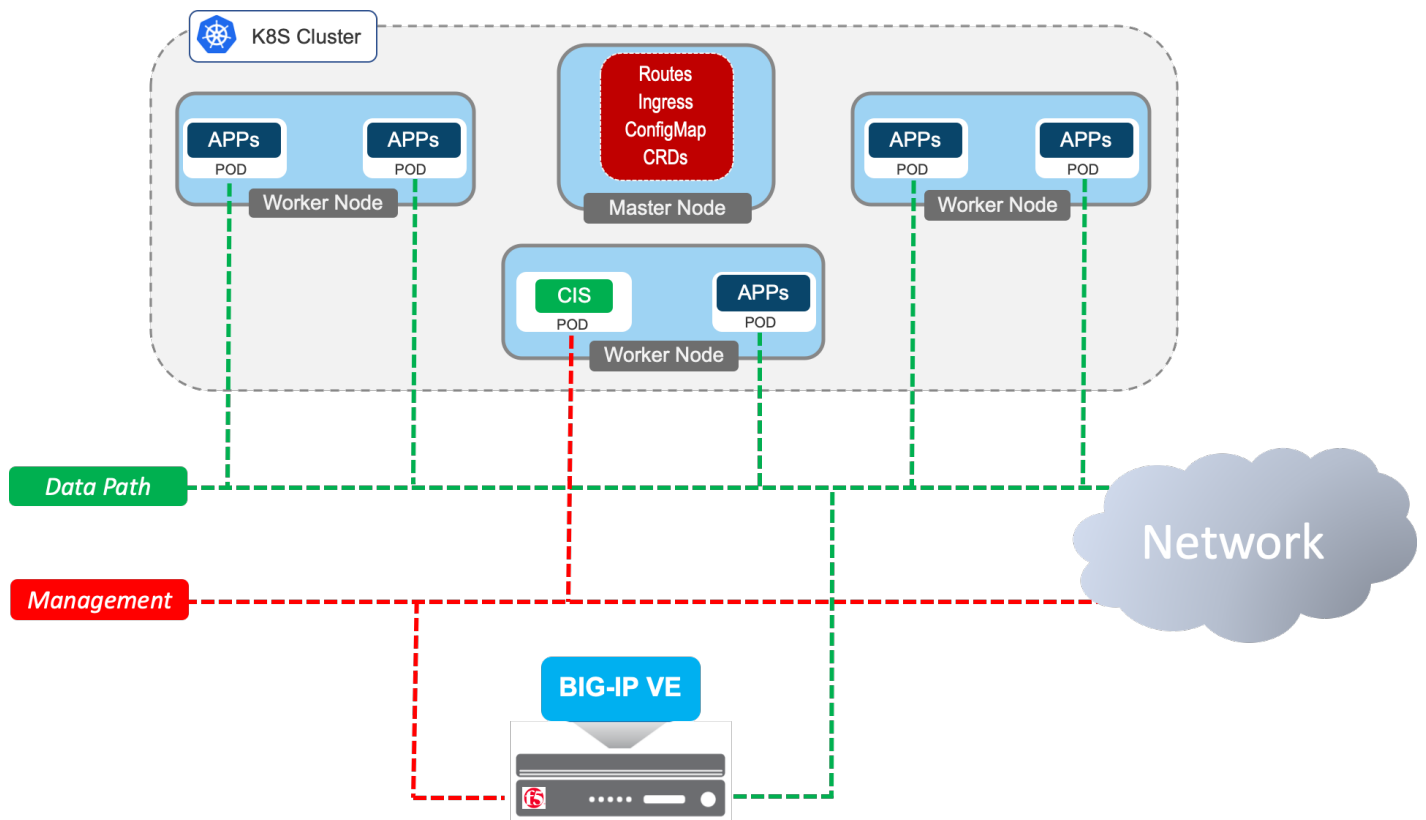
CIS Configuration Overview

Container Ingress Services (CIS) lets you manage your F5 BIG-IP device from Kubernetes or OpenShift using either environment's native CLI/API.

The F5 BIG-IP CIS (`k8s-bigip-ctlr`) is a cloud-native connector that can use either Kubernetes or OpenShift as a BIG-IP orchestration platform.

CIS watches the Kubernetes API

(<https://kubernetes.io/docs/concepts/overview/kubernetes-api/>) for specially formatted resources, and updates the BIG-IP system configuration accordingly.



(../\_images/what-is-cis-diagram.png)

## Features:

- Dynamically create, and manage BIG-IP objects.
- Forward traffic from the BIG-IP device to Kubernetes clusters (<https://kubernetes.io/docs/concepts/cluster-administration/>) via NodePort (<https://kubernetes.io/docs/concepts/services-networking/service/#nodeport>) or ClusterIP (<https://kubernetes.io/docs/concepts/services-networking/connect-applications-service/>).
- Support F5 AS3 Extension (<https://clouddocs.f5.com/products/extensions/f5-appsvcs-extension/latest/>) declarations.

## Releases and Versioning¶

This documentation set applies to the following versions of each F5 Container Integrations component:

Component	Version
CIS for Kubernetes	v1.14.x, v2.0.x-v2.19.1
CIS for OpenShift	v1.14.x, v2.0.x-v2.19.1

For more details, see the Release Notes ([../reference/release-notes.html#release-notes](https://clouddocs.f5.com/products/extensions/f5-appsvcs-extension/latest/release-notes.html)).

## Container Ingress Service compatibility¶

The table below shows the versions used in development testing. The F5 Container Ingress Service may work with versions not shown here; F5 has not verified functionality in those versions.

#### *BIG-IP Controller/Platform compatibility¶*

Connector	CIS Version(s)	Platform Version(s)	BIG-IP Version(s)	AS3	CCCL Support
CIS for Kubernetes	v1.14.1, v2.0.x-v2.19.1	Kubernetes v1.13-v1.31	v12.x-v17.x	v3.13-v3.52	Yes
CIS for OpenShift	v1.14.1, v2.0.x-v2.19.1	OpenShift v3.11-v4.16.0*	v12.x-v17.x	v3.13-v3.52	Yes

#### **i Important**

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- \* For OCP version 4.12, CIS is compatible with IPv4 and dual stack IPv4.
- F5 Networks is a Red Hat Certified Container Partner (<https://catalog.redhat.com/partners/F5%20Networks>). Please see the Red Hat Container Catalog for more information.

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## **Note**

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To provide feedback on Container Ingress Services or this documentation, please file a GitHub Issue (<https://github.com/F5Networks/k8s-bigip-ctlr/issues>).

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