

Cisco IOx Applications on Cisco Catalyst IE Switches

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Cisco IOx Application Framework

Cisco IOx is an end-to-end application framework that merges Cisco IOS-XE with Linux to offer secure hosting for applications on Cisco network platforms. This integrated framework allows the deployment of applications directly within the network infrastructure and provides secure management through Cisco application hosting tools.

From Cisco IOS XE Cupertino 17.8.1, Cisco Catalyst IE9300 Rugged Series Switches support IOx application hosting. This feature allows you to run your custom code, applications, and containers directly on the Cisco Catalyst IE9300 Rugged Series Switches.

See Cisco IOx page for more information.

Capabilities of Cisco IOx Application

- **Application Deployment**: Provides consistent deployment capabilities, independent of network infrastructure variations.
- **Development Support**: Enhances development flow with Docker tooling support.
- **Data Management**: Offers options for backing up and restoring data using the Docker framework.
- **System Maintenance**: Facilitates system upgrades and allows access to logs for troubleshooting.

Manage Cisco IOx Application

Cisco IOx can be managed using:

- the graphical UI for comprehensive on-premises or cloud-based management.

- the on-device CLI for more direct, hands-on management.