

# **VMware vSphere Integrated Containers Engine**

## **Security**

vSphere Integrated Containers Engine 0.8 Release Candidate 3

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# vSphere Integrated Containers Engine Security

*vSphere Integrated Containers Engine Security* provides security-related information about VMware vSphere® Integrated Containers™ Engine.

**Product version: 0.8 Release Candidate 3**

For an introduction to vSphere Integrated Containers Engine and descriptions of its main components, see *vSphere Integrated Containers Engine Installation*.

## Intended Audience

This information is intended for VMware vSphere® administrators who must deploy vSphere Integrated Containers Engine in a secure environment.

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# vSphere Integrated Containers Engine Security Reference

Use the Security Reference to learn about the security features of vSphere Integrated Containers Engine.

- [Network Security](#)
- [List of External Interfaces, Ports, and Services](#)
- [vSphere Integrated Containers Service Accounts and Privileges](#)
- [Apply Security Updates and Patches](#)
- [Security Related Log Messages](#)

## Network Security

Because the management network provides access to your vSphere environment, and because container VMs use this network to communicate with the virtual container host (VCH), always use a secure network for the management network. Ideally, use separate networks for the management network and the container network.

## External Interfaces, Ports, and Services

The following ports must be open on the VCH appliance:

- 2375 if no TLS is deployed
- 2376 for TLS
- 2377 to configure or disable the firewall
- 2378 vic-admin
- 53 DNS server
- 22 for SSH for debugging purposes

## Service Accounts and Privileges

vSphere Integrated Containers Engine does not create service accounts and does not assign privileges. Instead, it creates a vSphere Extension and authenticates against it.

## Apply Security Updates and Patches

Download a new version of vSphere Integrated Containers Engine and upgrade your existing VCHs.

## Security Related Log Messages

Security-related information for vSphere Integrated Containers Engine appears in `docker-personality.log` and `vicadmin.log`, that you can access from the VCH Admin portal for a VCH.