

VMware vSphere Integrated Containers Engine

Security

vSphere Integrated Containers Engine 0.8 Release Candidate 2

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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 2

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.