



Red Hat Service Interconnect 1.4

Getting Started

Using the Skupper CLI and YAML

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Abstract

This guide describes how to get started with Red Hat Service Interconnect 1.4. Red Hat Service Interconnect is a Red Hat build of the open source Skupper project.

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CHAPTER 1. GETTING STARTED WITH THE CLI

The Skupper CLI allows you create sites and expose services on the service network.

Prerequisites

- Access to a supported Kubernetes cluster or a supported RHEL machine, as described in [Supported Configurations](#)
- The **skupper** CLI is installed as described in [Installation](#)

Procedure

1. Check the version of the CLI using the following command:

```
$ skupper version  
client version 1.4.<minor>-redhat-<build-number>
```

The Red Hat build of the **skupper** CLI includes **redhat** in the version displayed.

2. Perform the [Skupper - Getting started](#) tutorial.



NOTE

If you create a site in an OpenShift Container Platform version 4.11 or 4.12 namespace, a message starting with the following warning is displayed:

```
W0320 15:27:27.446084 48301 warnings.go:70] would violate PodSecurity  
"restricted:v1.24"
```

You can ignore this message as it relates to a future restriction in OpenShift.

CHAPTER 2. GETTING STARTED WITH YAML

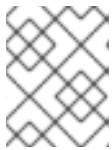
Using YAML files to configure Skupper allows you to use source control to track and manage Skupper network changes.

Prerequisites

- Access to a supported Kubernetes cluster, as described in [Supported Configurations](#)
- The **skupper** controller is installed as described in [Installation](#)

Procedure

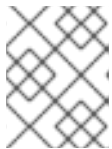
1. Create a site as described in [Creating a Skupper site using YAML](#) .



NOTE

You can use the same YAML to create a site whether you installed Red Hat Service Interconnect using the Operator or by installing the **skupper** controller.

2. Link sites using the **skupper** command.



NOTE

While it is possible to create and use tokens using YAML, the process is procedural rather than declarative.

3. Expose services as described in [Configuring services using annotations](#) .

CHAPTER 3. RESOURCES

The following resources are available:

- [Skupper - Getting started](#)
- [Skupper - Examples](#)
- [Skupper - Using the Skupper CLI](#)
 - [Creating a site using the CLI](#)
 - [Custom sites](#)
 - [Linking sites](#)
 - [Specifying link cost](#)
 - [Exposing services on the service network from a namespace](#)
 - [Exposing services on the service network from a local machine](#)
 - [Exploring a service network](#)
 - [Securing a service network](#)
 - [Supported standards and protocols](#)
 - [CLI options for working with different clusters](#)
- [Skupper - Using Skupper podman](#)
 - [About Skupper podman](#)
 - [Creating a site using Skupper podman](#)
 - [Linking sites using Skupper podman](#)
 - [Working with services using Skupper podman](#)
- [Skupper - Using the Skupper console](#)
 - [Enabling the Skupper console](#)
 - [Accessing the Skupper console](#)
 - [Exploring the Skupper console](#)
- [Skupper - Configuring Skupper sites using YAML](#)
 - [Creating a Skupper site using YAML](#)
 - [Linking sites using YAML](#)
 - [Configuring services using annotations](#)
 - [Appendix A: Site ConfigMap YAML reference](#)

- Skupper - Troubleshooting a service network
 - Checking sites
 - Checking links
 - Checking gateways
 - Creating a Skupper debug tar file
 - Improving Skupper router performance
 - Resolving common problems
- Skupper - Securing a service network using policies
 - About the policy system
 - Upgrading on a cluster with existing sites
 - Creating policies for the policy system
 - Exploring the current policies for a cluster
- Creating a site using the Skupper Operator

APPENDIX A. ABOUT SERVICE INTERCONNECT DOCUMENTATION

MAKING OPEN SOURCE MORE INCLUSIVE

Red Hat is committed to replacing problematic language in our code, documentation, and web properties. We are beginning with these four terms: master, slave, blacklist, and whitelist. Because of the enormity of this endeavor, these changes will be implemented gradually over several upcoming releases. For more details, see [our CTO Chris Wright's message](#).

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