



Red Hat Application Interconnect 1.0

Using the Skupper console

For Use with Application Interconnect 1.0 LIMITED AVAILABILITY

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Abstract

This guide describes how to monitor Application Interconnect sites and a service network.

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PREFACE

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](#).



NOTE

This Limited Availability release is not available to all customers. Contact [Red Hat Sales](#) if you are interested in learning more about Application Interconnect.

By default, when you create a Application Interconnect site, you also enable the Skupper console. The Skupper console URL is displayed whenever you check site status using **skupper status**.

CHAPTER 1. ACCESSING THE SKUPPER CONSOLE

By default, the Skupper console is available whenever you create a service network router and is protected by credentials available in the **skupper-console-users** secret.

Procedure

1. Determine the Skupper console URL using the **skupper** CLI, for example:

```
$ skupper status
Skupper is enabled for namespace "west" in interior mode. It is not connected to any other
sites. It has no exposed services.
The site console url is: https://skupper-west.apps-crc.testing
```

2. Browse to the Skupper console URL. The credential prompt depends on how the site was created using **skupper init**:
 - using the **--console-auth unsecured** option, you are not prompted for credentials.
 - using the **--console-auth openshift** option, you are prompted to enter OpenShift cluster credentials.
 - using the default or **--console-user <user> --console-password <password>** options, you are prompted to enter those credentials.
3. If you created the site using default settings, that is **skupper init**, a random password is generated for the **admin** user. To retrieve the password the **admin** user:

```
$ kubectl get secret skupper-console-users -o jsonpath={.data.admin} | base64 -d
JNZWzMHtyg
```


CHAPTER 2. LINKING SITES USING THE SKUPPER CONSOLE

The Skupper console allows you create and use claim type tokens as described in [Configuring Application Interconnect sites using the CLI](#).

Prerequisites

- Two sites, each with Skupper console enabled



PROCEDURE

Your browser may prompt you to allow using the clipboard. You must accept that prompt for this procedure.

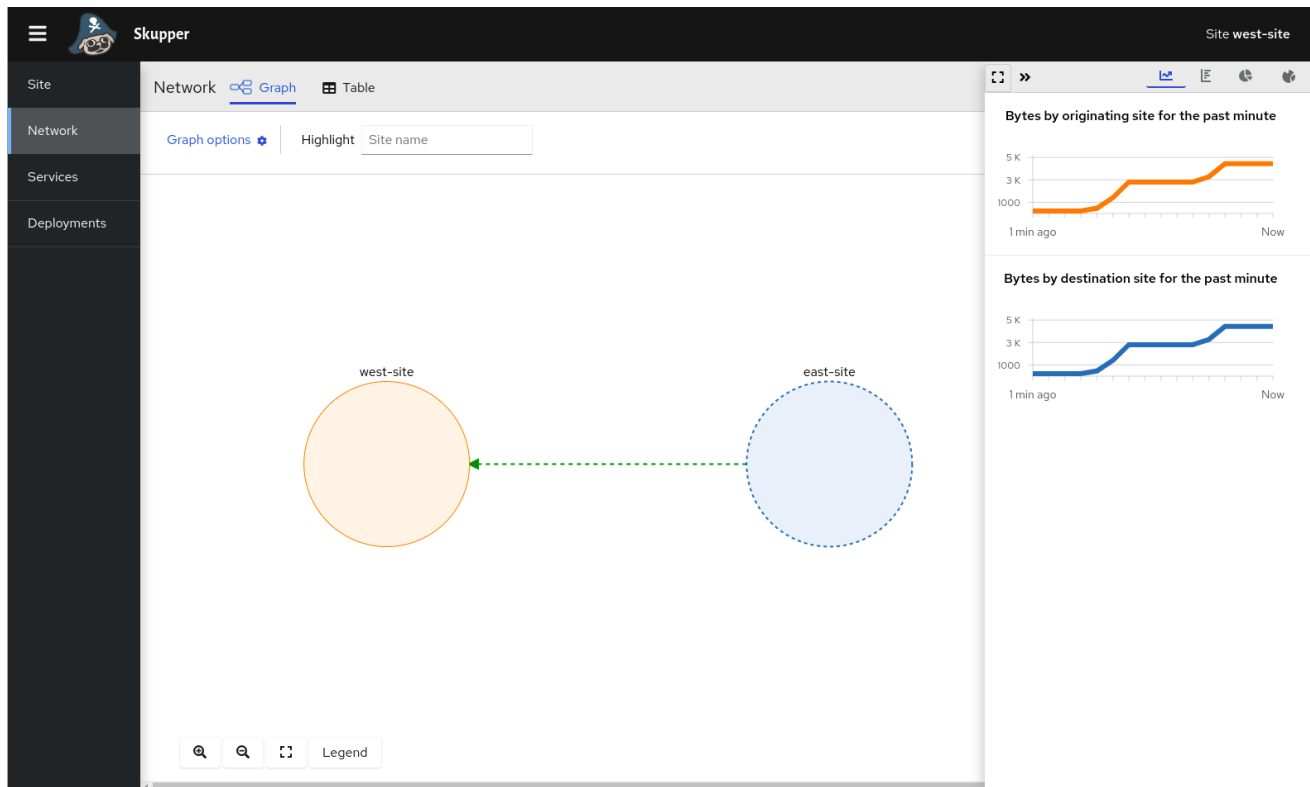
1. Log into the console for the first site.
2. Navigate to **Site** in left hand menu.
3. Click **Link a remote site** to display the steps for linking.
4. Click **Copy a token to the clipboard**
5. Log into the console for the second site.
6. Navigate to **Site** in left hand menu.
7. Click **Use a token** to accept the token from the first site.
8. Verify that the sites are linked by Checking that both sites are listed in the **Network details** section of the **Site** page.

CHAPTER 3. EXPLORING THE SKUPPER CONSOLE

The Skupper console provides an overview of the following:

- Services - services that are exposed on the service network, both local and remote.
- Sites - Application Interconnect installations on the current service network.
- Deployments - deployments relating to exposed services.

The Skupper console also provides useful networking information about the service network, for example, traffic levels between sites.



1. Perform the [Creating a service network with OpenShift](#) tutorial.
2. Navigate to the Skupper console.
3. Click the **Network** menu item. Both the **east** and **west** sites should be displayed in circles.
4. Drag and drop the **west** circle to be on the left of the **east** circle.
5. Click the **Table** tab to display the sites as text items. This view allows you drill down into details relating to the selected site.
6. Click the **Deployments** menu item. This view shows you any deployments that are exposed as services on the service network. In this case, the console displays the **hello-world-backend (east)** deployment.
7. Click the **Services** menu item to display details for all services exposed on the service network.

**NOTE**

Although two services are involved in the tutorial, only one service, **hello-world-backend** is exposed on the service network.

8. Click the **Site** menu. This page shows:

- The number of sites in the service network.
- The services that are exposed on the service network.
- The gateways that are defined in the service network.
- The traffic for the current site.

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