

Example 4: Running a Helm chart deployment

2 minute read

Developer productivity

In this example, you can create an application model that runs a Helm chart deployment.

To create an application model:

1. From the main menu, navigate to **Deployment Automation > Applications**.
2. Select **New**. The New Application dialog appears.
3. Select **Create New**.
4. Provide the Application name, **RSS**.
5. Select the **Trial Guide** project. Select the Application type **Microservice**, and then select **OK**.
6. Select the New microservice icon (+) to define the new microservice.

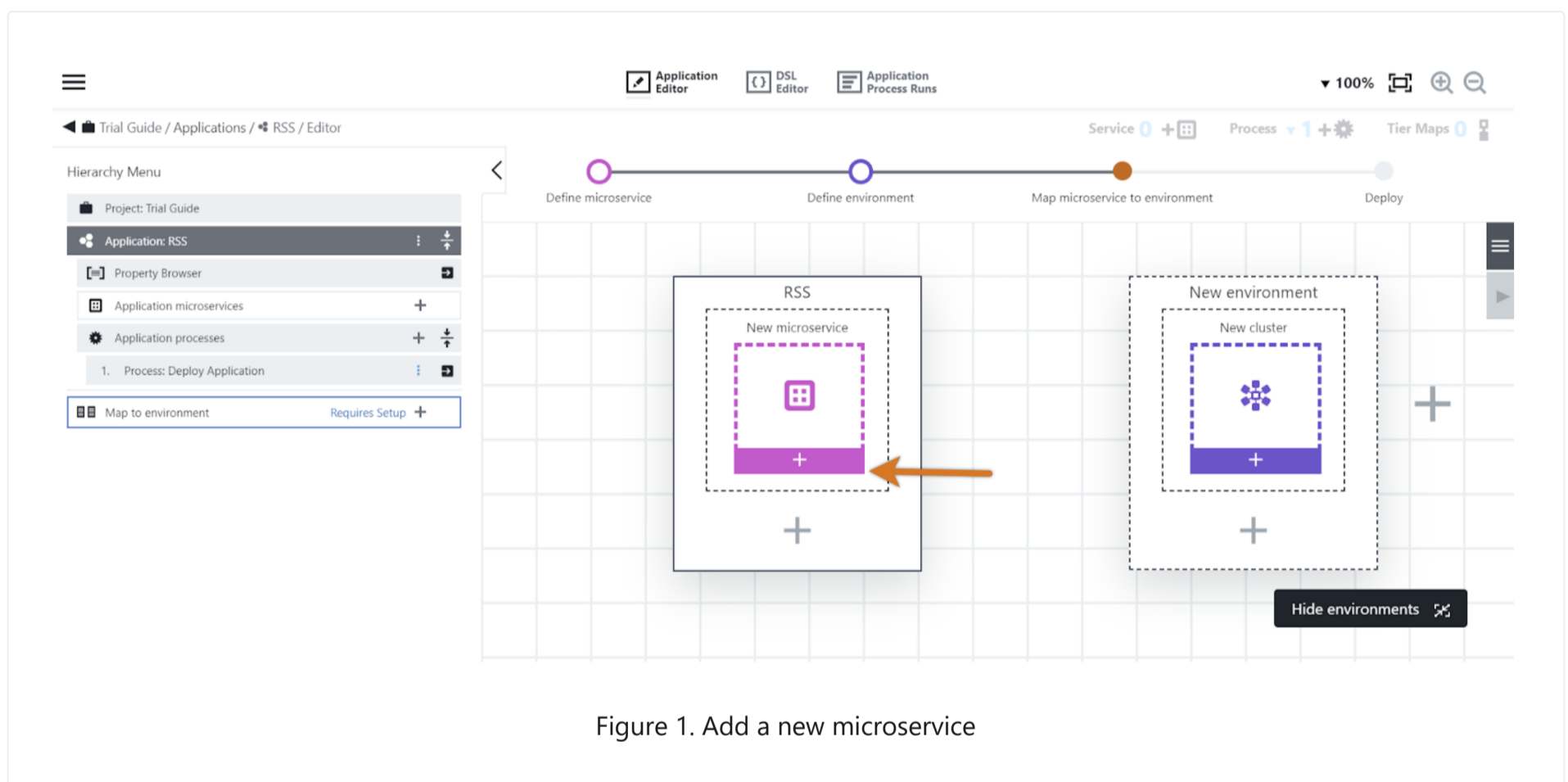


Figure 1. Add a new microservice

7. Select **Next** to use the default **New microservices** selection.
8. In the **New microservice** dialog, complete the information as follows:
 - o **Name:** freshrss
 - o **Definition type:** Helm
 - o **Definition source:** Helm repository
 - o **Repository URL:** <https://halkeye.github.io/helm-charts>
 - o **Repository name:** halkeye
 - o **Release name:** freshrss
 - o **Chart:** halkeye/freshrss
9. Add the following code for the additional options:

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```

--create-namespace
--set=ingress.enabled=true
--set=ingress.hosts[0]=[/javascript
server.hostName.replace("sda",myJob.ec_microservice_deployment_parameters[myApplication.applicationName].clusterDefini
tion.namespace)]

```

This code enables access to the application through a public URL.

10. Select **OK**.

11. In the **New environment** object, select the New cluster (+) button.

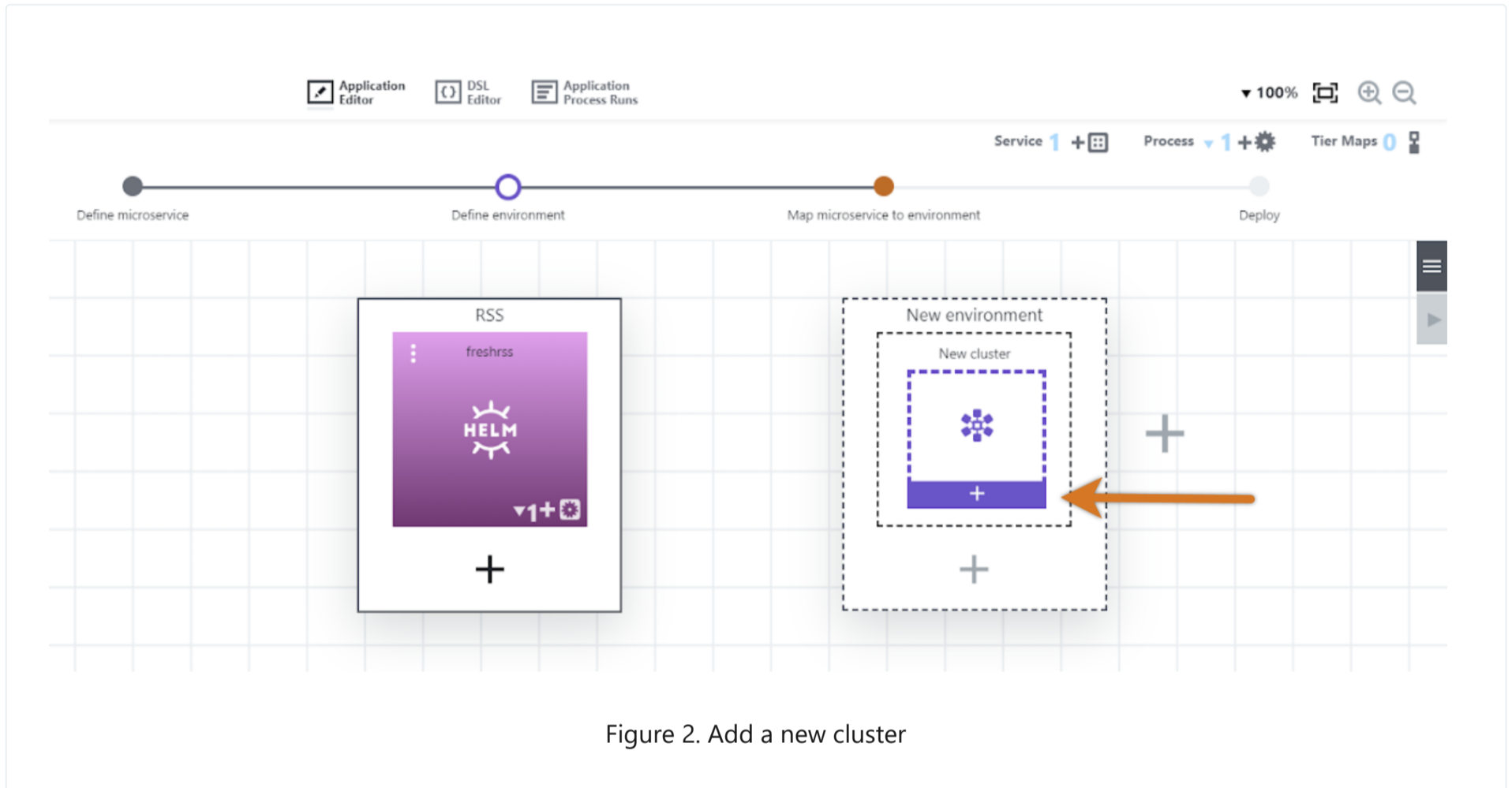
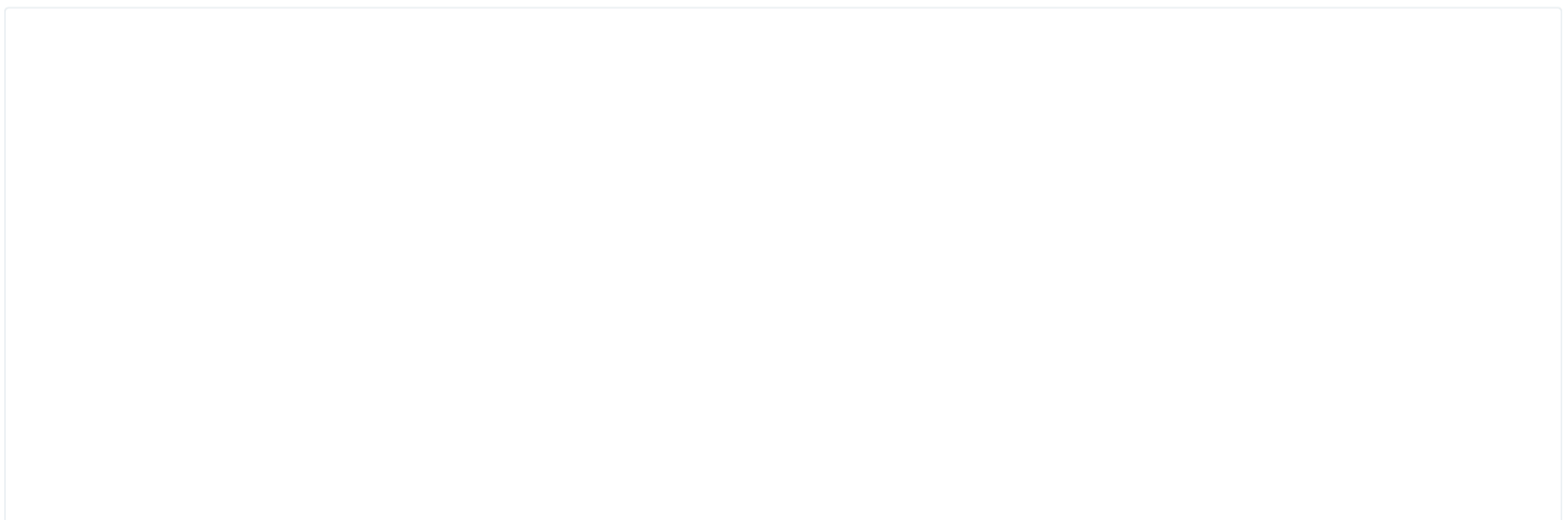


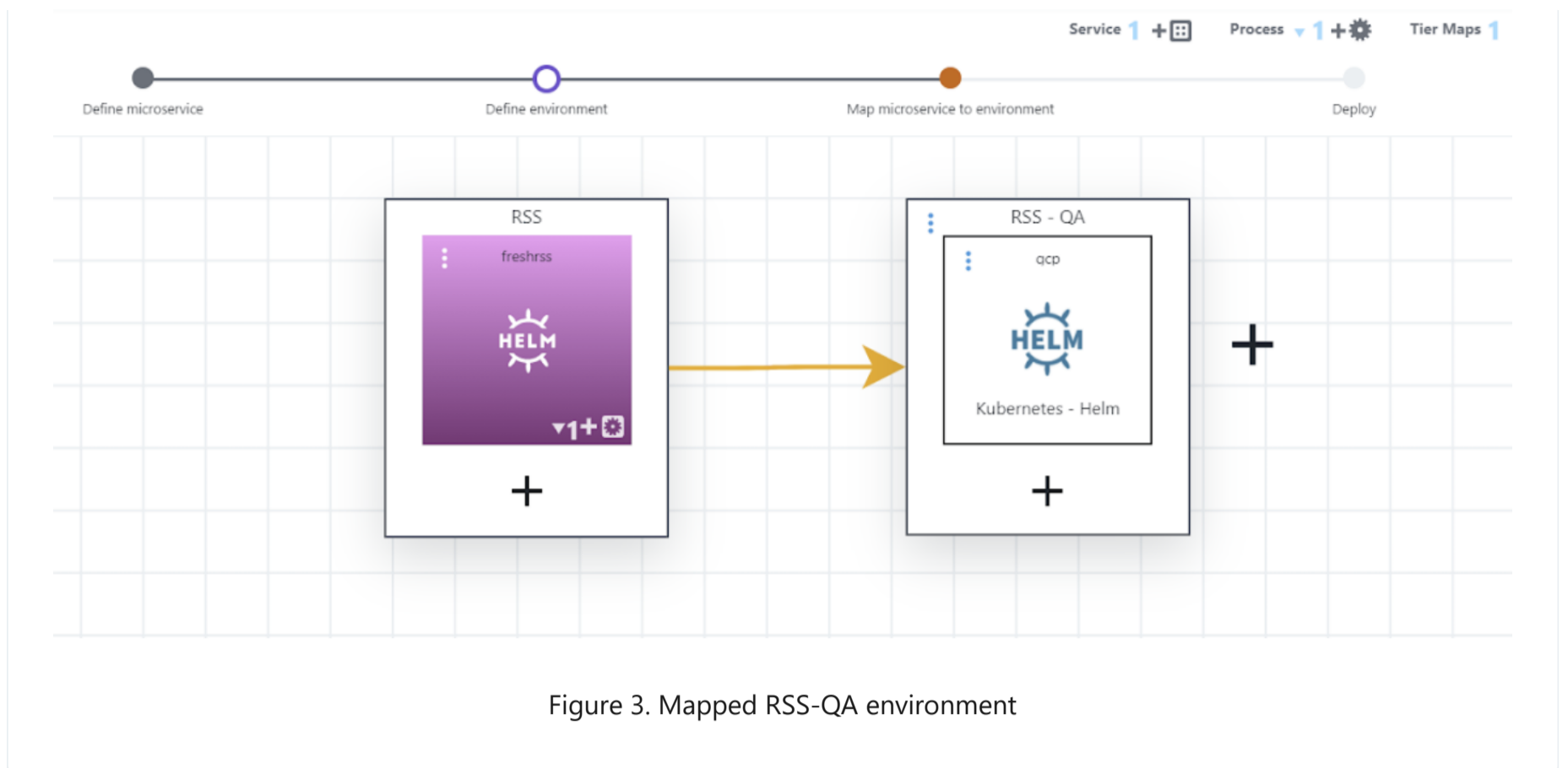
Figure 2. Add a new cluster

12. Select **Next** to accept the default action to create a new environment.

13. In the **Edit microservice** dialog, complete the information as follows:

- Enter the **Environment name**: **RSS - QA**.
- Select the **Trial Guide** project. In the **Cluster name** field, enter **qa**.
- In **Configuration provider**, select **Kubernetes - Helm**.
- In **Configuration name**, select **Helm**.
- In **Namespace**, enter **qa**.
- In **Utility resource name**, enter **Kubernetes**.
- In **Resource**, select **k8s-agent**.
- Select **OK**.

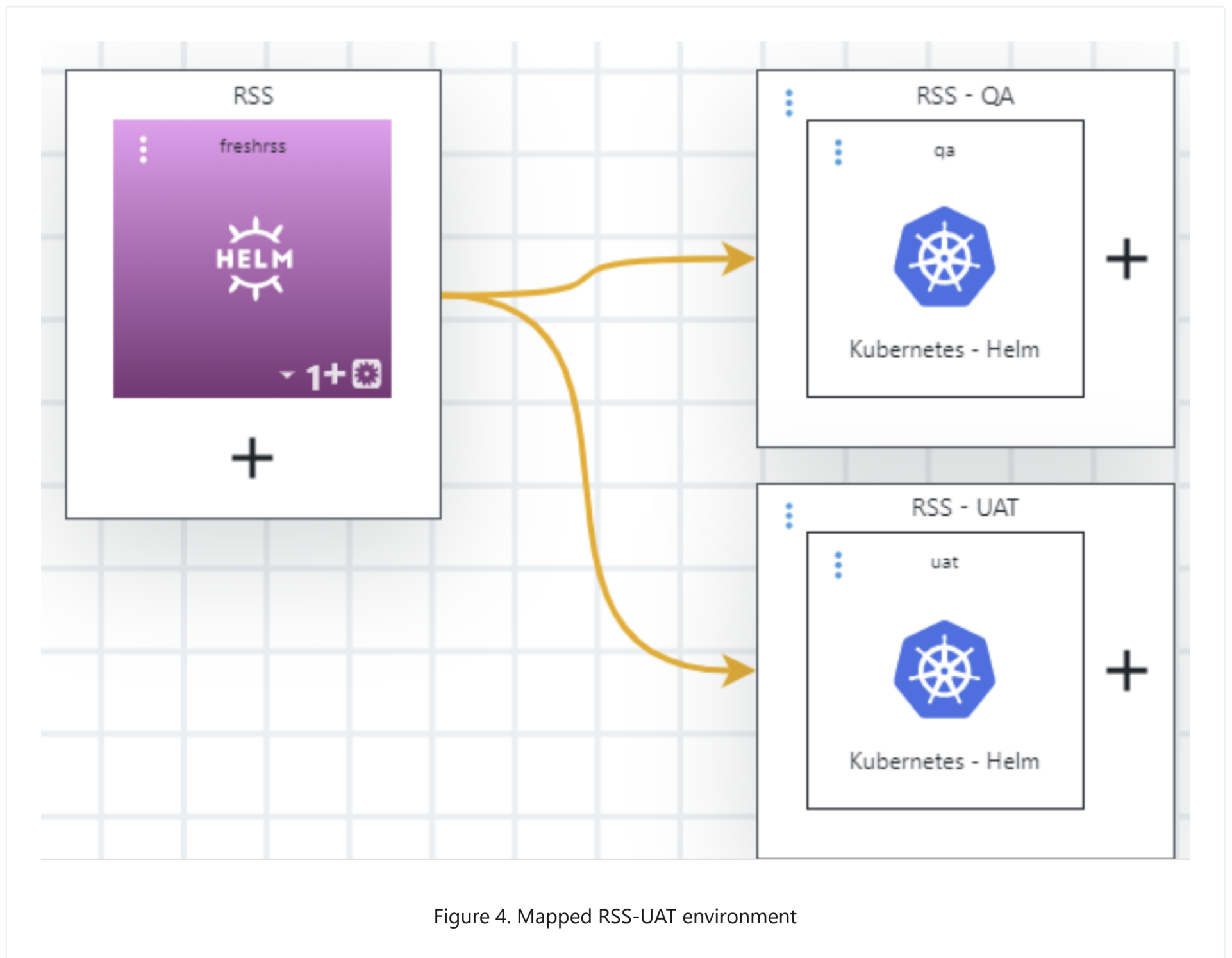




14. Create the **RSS - UAT** environment. Select the plus sign (+) to the right of the **RSS - QA** environment (not below it) to create a new environment, and then perform the steps above again, using **uat** instead of **qa**.

Tip

If the **Deploy** button is not activated, ensure the microservice is mapped to the new environment. From the **Map** menu on the upper right, select **RSS - UAT > uat**.



15. Select **Deploy Application** and **RSS - QA** as the target environment.
16. To view the inventory, select **RSS - QA** from the breadcrumb navigation, and then select **Inventory**.

17. View the microservices deployment details by selecting **Details** from the menu for the **freshrss** microservice.

18. Access the application. Note the URL above; this URL can be used to access the deployed application.

[← Example 3: Deploying a Tomcat application](#)

[Example 5: Running a release pipeline →](#)