About Service Offerings

Contents

This topic describes the structure of a Tanzu Service Manager (TSMGR) service offering and how an offering displays on `cf marketplace`.

Overview

A `cf marketplace` service offering includes the following:

- **One or more Helm charts:** You must configure a Helm chart to be compatible with TSMGR. For more information, see Configuring a Helm Chart.
- **A TSMGR package:** This package contains YAML files that TSMGR uses to customize your service offering. For more information, see Preparing a Service Offering.

Service Offering Directory Structure

The following code snippet shows an example of a service offering directory structure:

```
service-name/
    bind.yaml
    ksm.yaml
    plans.yaml
    overrides/
      override-values.yaml
    plans/
      small.yaml
      medium.yaml
    resource-quotas/
      quota.yaml

helm-chart.tgz
```

In the above example:

- `service-name/` is the directory for the TSMGR package. Depending on your customization, you must include some or all of the above YAML files and subdirectories in the TSMGR package.
- `helm-chart.tgz` is the Helm chart for the service offering.

To determine which files you must include in your TSMGR package, reference the following table:

Task	Required File	Documentation
Suppress services credentials output when a developer binds a service instance	`bind.yaml`	[(Optional) Create Binding Template for App Consumption](#)
Add a custom `cf marketplace` name	`ksm.yaml`	[Service Offerings in CF Marketplace](#)
Offer more than one Helm chart		[(Optional) Offer Multiple Charts in a Single Offering](#)
Add a service offering with an Operator pattern		[Operators](#)
Override default chart values		[(Optional) Override Chart Values](#)
Create a non-default plan in `cf marketplace`	`plans.yaml`	[(Optional) Define Plans Configuration](#)
Provision a service on a non-default cluster		
Define resource quotas that limit memory and CPU consumption		

Service Offerings in CF Marketplace

If you upload a Helm chart with either a `ksm.yaml` or `plans.yaml` file, TSMGR overrides the default values for the service offering name, description, and plan names. These values are displayed when a Tanzu developer runs `cf marketplace`.

The following table describes the values that TSMGR uses when you upload a Helm chart either without additional configurations, with a `ksm.yaml` file, or with a `plans.yaml` file:

Additional Configuration File	Name	Description	Plan
None	`name` value in `Chart.yaml`	`description` value in `Chart.yaml`	`default`
`ksm.yaml`	`marketplace-name` value in `ksm.yaml`	Default value	Default value
`plans.yaml`	Default value	For each plan, `description` value in `plans.yaml`	For each plan, `name` value in `plans.yaml`