

PRD - Container Engine Service v1.0

Document status	Complete
Release version	v1.0
Product manager	Casper Ong
Developers	Henry
Designers	Haina
Design links	UX Doc UI Doc
Product links	Test env Live env
Others	Proposal Timeline

Overview

The Container Engine Service ("CES") runs and manages containerized apps in a fully managed cloud environment.

To deploy an app, an engineer will usually have to manage Kubernetes clusters or VM instances. With CES, the tenant no longer has to manage these manually and can rely on CES to help, at the expense of some flexibility and customizations.

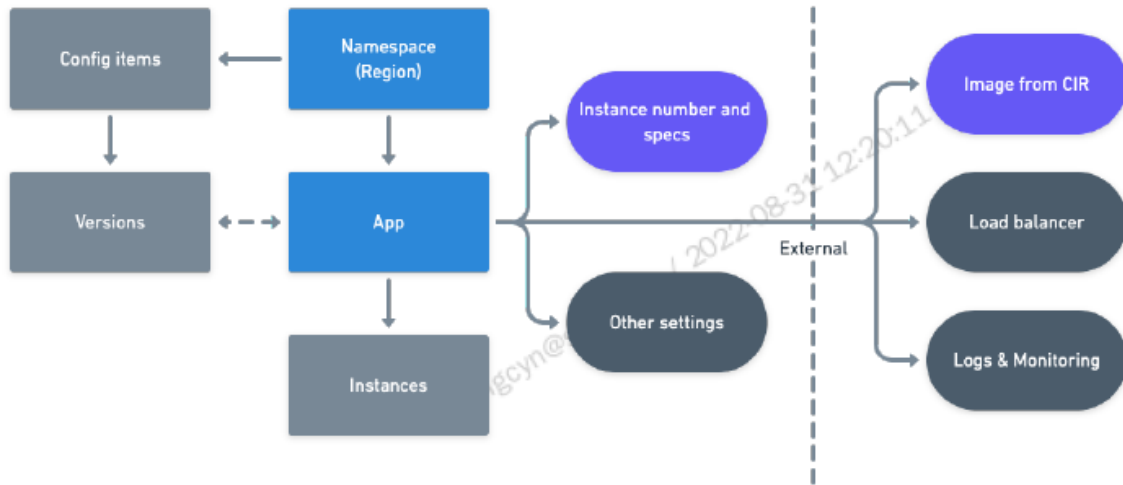
Goals of v1.0

- Allow users to create a namespace.
- Allow users to easily create, customize, and deploy simple apps.
- Allow users to run their apps (e.g., stop and start them).
- Allow users to monitor their app performance.

Assumptions

Tenants have the background to understand app configurations and therefore, the settings in CES.

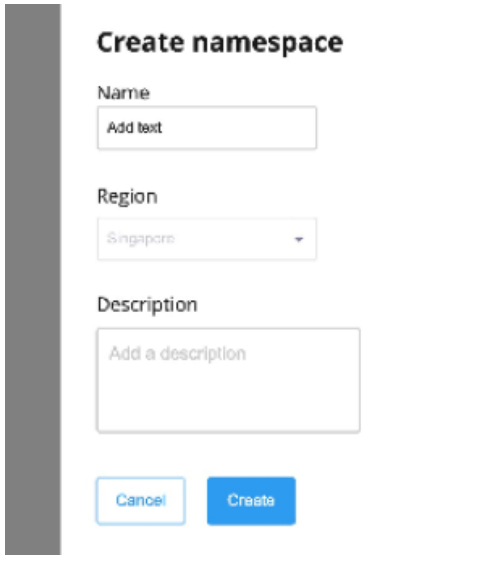
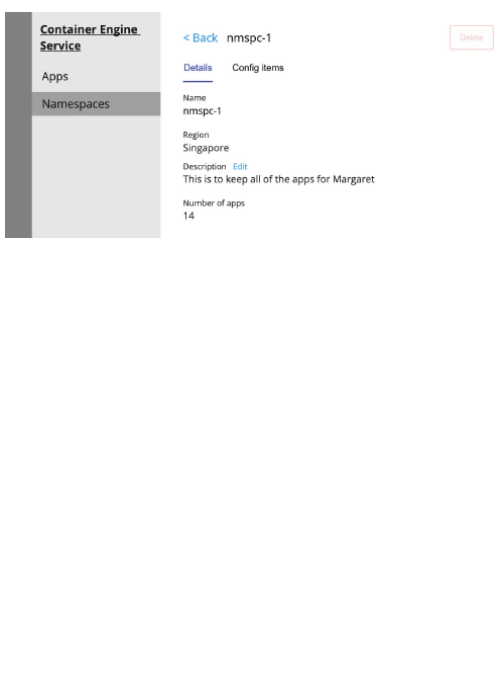
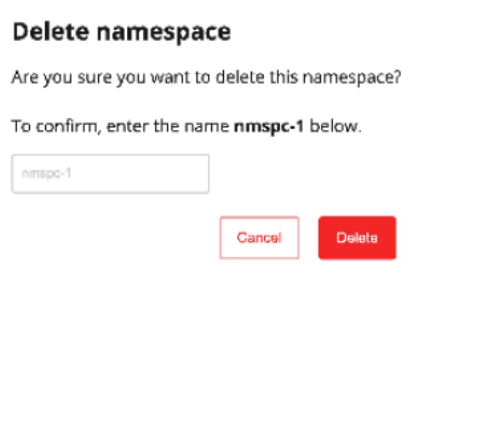
Requirements



Namespace management

A namespace is required before an app can be created. However, it is not used as often as apps. Hence, in the sidebar, namespaces should not appear at the top.

#	Title	Mockup	User story	Priority	Notes
1	Namespace list		<p>The user wants to view all namespaces available for their current apps.</p> <p>They may also want to select a namespace to create config items in.</p> <p>In the table:</p> <ul style="list-style-type: none"> • Name: name of namespace. • Region: region of the namespace. • Description: user-defined description of the namespace. • Number of apps: the number of apps in the namespace. (Newly added in XX/2021) 	Must have	

2	Create a namespace		<p>The user wants to create a namespace to customize a new environment for their apps and/or config items.</p> <p>In the form:</p> <ul style="list-style-type: none"> • Name: enter name of namespace. It must be unique in a region. Up to 50 characters. Cannot start with hyphen. • Region: select the region of namespace. This is currently restricted only to Singapore. • Description: enter a description for the namespace. 	Must have	
3	View namespace details		<p>The user wants to view information on the namespace and possibly interact with it further.</p> <p>When the user clicks the name of a namespace in #1, they will arrive at the namespace's Details tab by default.</p> <p>On this page, show:</p> <ul style="list-style-type: none"> • Name: name of namespace. • Region: the region of the namespace. • Description: the user defined description for the namespace. • Number of apps: the number of apps within the namespace. 	Must have	
4	Delete namespace		<p>The user wants to delete a namespace.</p> <p>The user clicks Delete in the upper right of the namespace, as shown in #3.</p> <p>A dialog box will pop up. The user must enter the name of the namespace to confirm the deletion.</p> <p>If a namespace has any apps, it <u>cannot</u> be deleted.</p>		

This is the end of the PRD sample. For more samples, reach out to casper.ong@outlook.sg.