

How to Use Custom Domains

Payara Cloud offers customers on the Standard or Premium subscription tiers the ability to associate custom domains to namespaces. This feature enhances the accessibility of your applications deployed to such namespaces for end users, by providing a personalized and easily recognizable URL.

Upon uploading your applications to a specific namespace in Payara Cloud, a default URL is generated. This URL is a unique concatenation of your namespace and application names, forming a link resembling: <https://guide-docu-6696a94c.payara.app/demo> (Note: This is a fabricated URL for illustration purposes).

However, such auto-generated URLs may not be user-friendly or brand-aligned, which is where the custom domain feature comes into play. By utilizing this feature, you can modify the default URL to a more brand-centric and user-friendly format such as <https://myapp.yourAmazingBrand.com/app1>, <https://myapp.yourAmazingBrand.com/app2>, and so on, making it significantly easier for end users to access your deployed applications.



The current custom domain feature only supports sub-domains. So you will need to map the Payara Cloud namespace URL to a sub-domain in your DNS management console. For example you can map the namespace URL <https://guide-docu-6696a94c.payara.app> to myapp.myAmazingBrand.com

Add A Custom Domain

Click on the namespace containing your application from the Namespace Navigator. In the [**Namespace Actions**] drop down menu, click [**Custom Domain**]

The screenshot shows the Payara Cloud management console. On the left, the 'Namespace Navigator' lists namespaces: 'jakarta-jumpstart-staging', 'start-dev' (selected), and 'jee-chatgpt'. The main area displays the 'start-dev' namespace details, including a list of applications. The 'Namespace Actions' menu is open, showing options: 'Upload Application', 'Search Logs', 'Custom Domain' (highlighted with a red arrow), and 'Delete Namespace'. Below the charts, there is a table of applications:

Application Name	Status	Live URL
jee-chatgpt	RUNNING	https://start-dev-596661a0.payara.app/jee-chatgpt/

Below the table, there is a section 'Add Another Application' with a button 'Upload a Separate Application'.

Figure 1. Namespace menu to add new domain

Click [**Add Custom Domain**] in the ensuing screen.

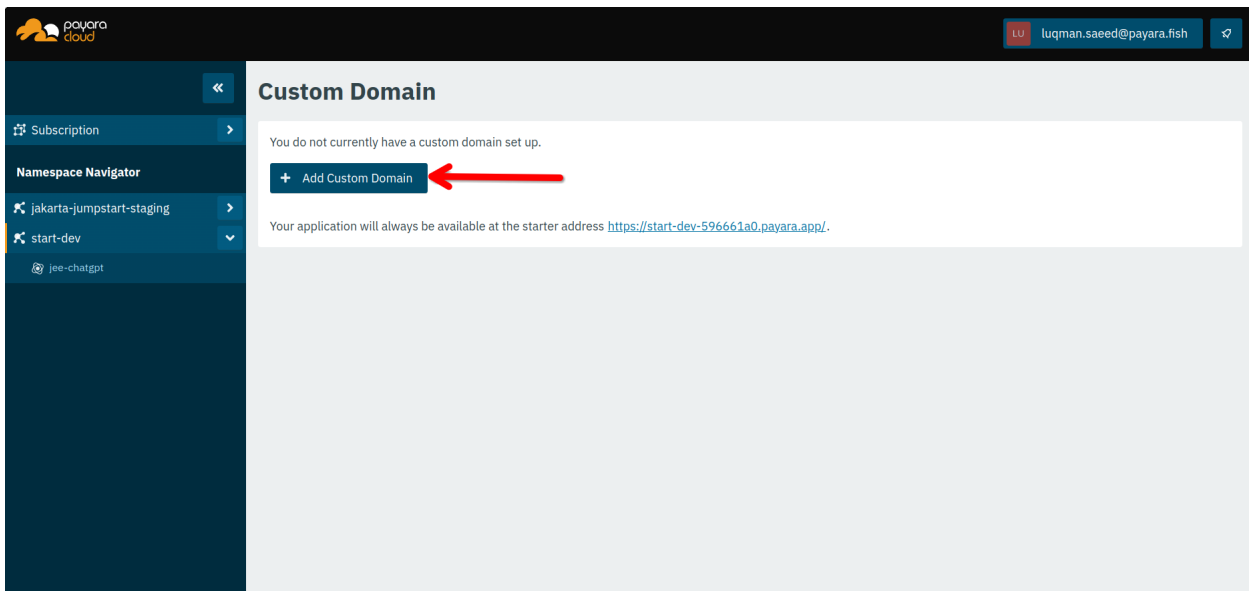


Figure 2. Button to click to add new domain

Type in the domain name you would like to use to access your application in the Custom Domain Name field.

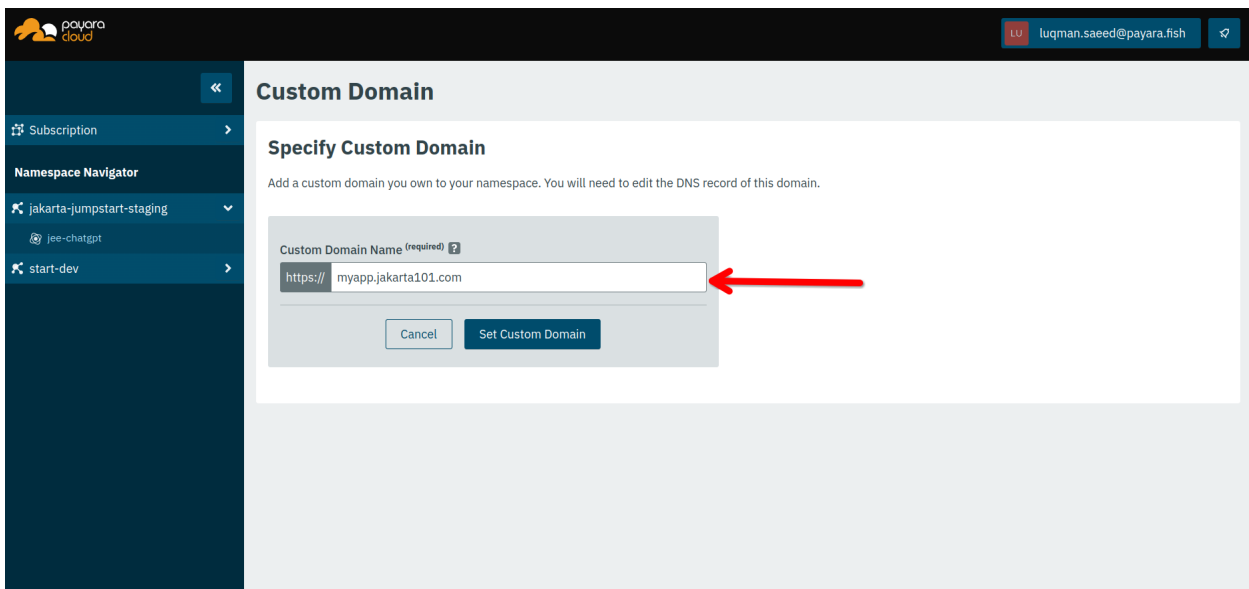


Figure 3. Screen to add custom domain to Payara Cloud

Click [**Set Custom Domain**]

You are then presented with the Custom Domain screen and the information to set up the DNS record:

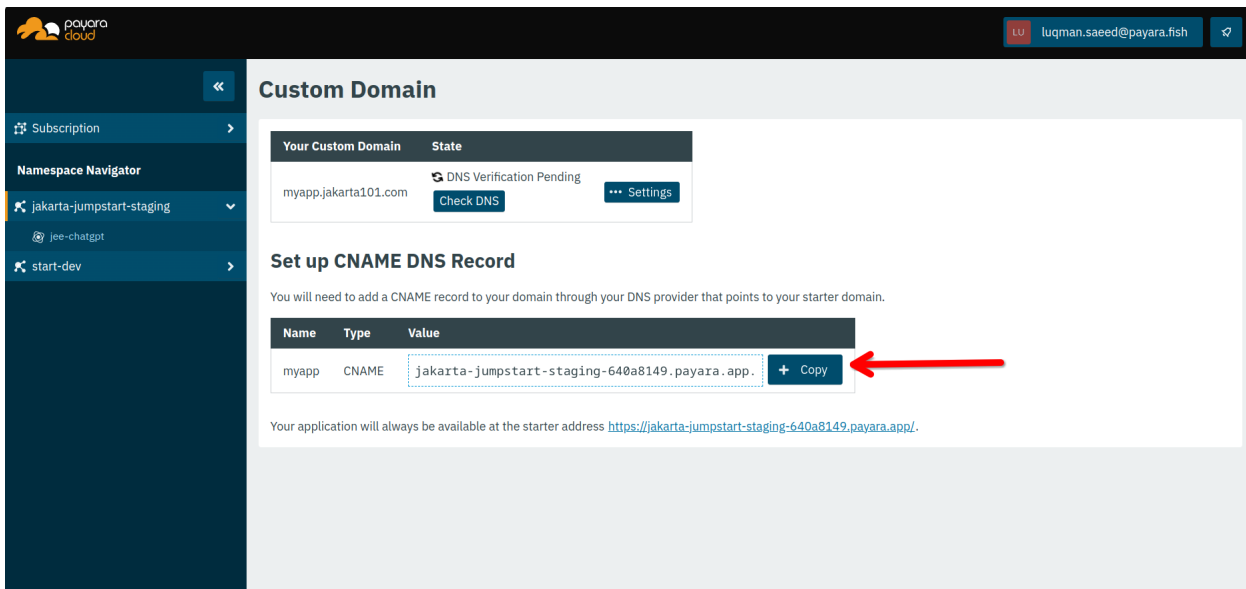


Figure 4. Screen showing DNS info for setting up added custom domain

Copy the value in the Set up CNAME DNS Record value field and enter it into the CNAME of the DNS system you are using.

Assuming you are using Cloudflare as your domain host, you can create a new CNAME record in your domain dashboard as follows.

DNS management for **jakarta101.com** Import and Export ▼ ⚙ Dashboard Display Settings

Review, add, and edit DNS records. Edits will go into effect once saved.

Search DNS Records Add filter Search Add record

myapp.jakarta101.com is an alias of **jakarta-jumpstart-staging-640a8149.payara.app..**

Type	Name (required)	Target (required)	Proxy status	TTL
1 CNAME ▼	2 myapp	3 jakarta-jumpstart-staging-640a8149.payara.app.	<input type="checkbox"/> DNS only	Auto ▼

Use @ for root

Record Attributes [Documentation](#)

The information provided here will not impact DNS record resolution and is only meant for your reference.

Comment

Enter your comment here (up to 100 characters).

Cancel Save 4

Figure 5. Cloudflare domain record creation screen

- □ Set record type to CNAME
- □ Set myapp for the sub-domain you entered in Payara Cloud.
- □ Enter the DNS record value compied from the custom domain screen in Payara Cloud
- □ Save

Now go back to the custom domain setup screen in Payara Cloud

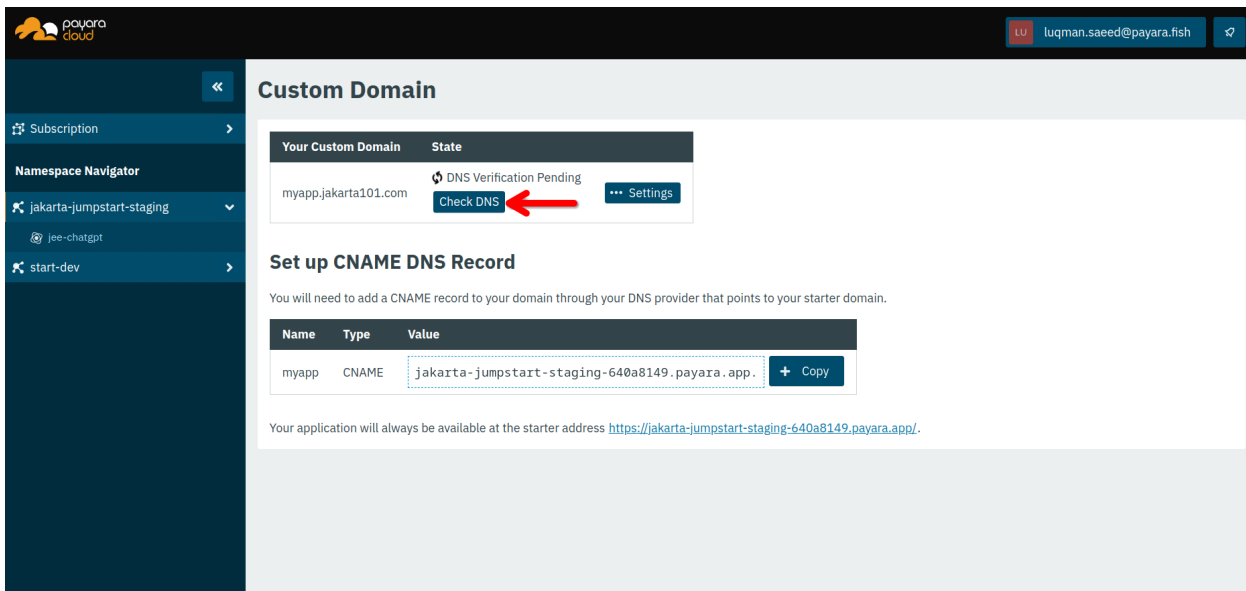


Figure 6. Screen showing DNS info for setting up added custom domain

Click [**Check DNS**]

Your namespace should now be associated with the URL.

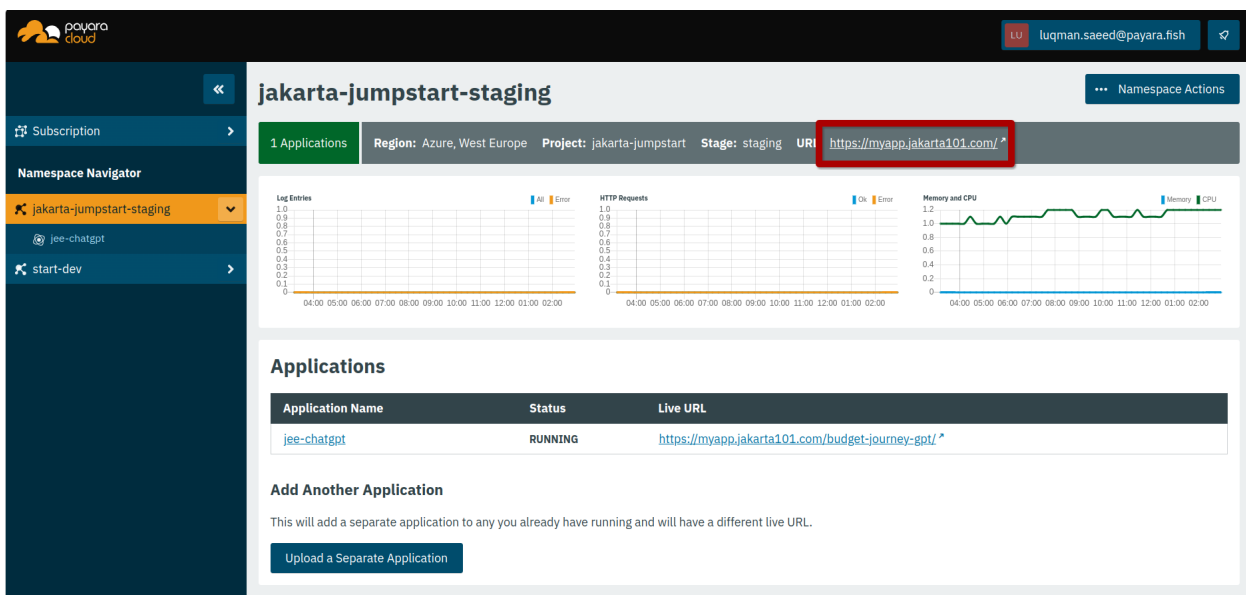


Figure 7. Fully setup custom domain after DNS has fully propagated



Depending on the your domain name provider, DNS propagation might take anywhere between a few mins up to 48 hours. You can check for for DNS propagation with online tools such as <https://dnschecker.org/>

With the custom domain setup, all applications deployed to the namespace can be accessed as sub-paths of the configured domain. For example, an application deployed to the context path myapp1 will be accessible through the URL <https://myapp.jakarta101.com/myapp1>.