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]**

Figure 1. Namespace menu to add new domain

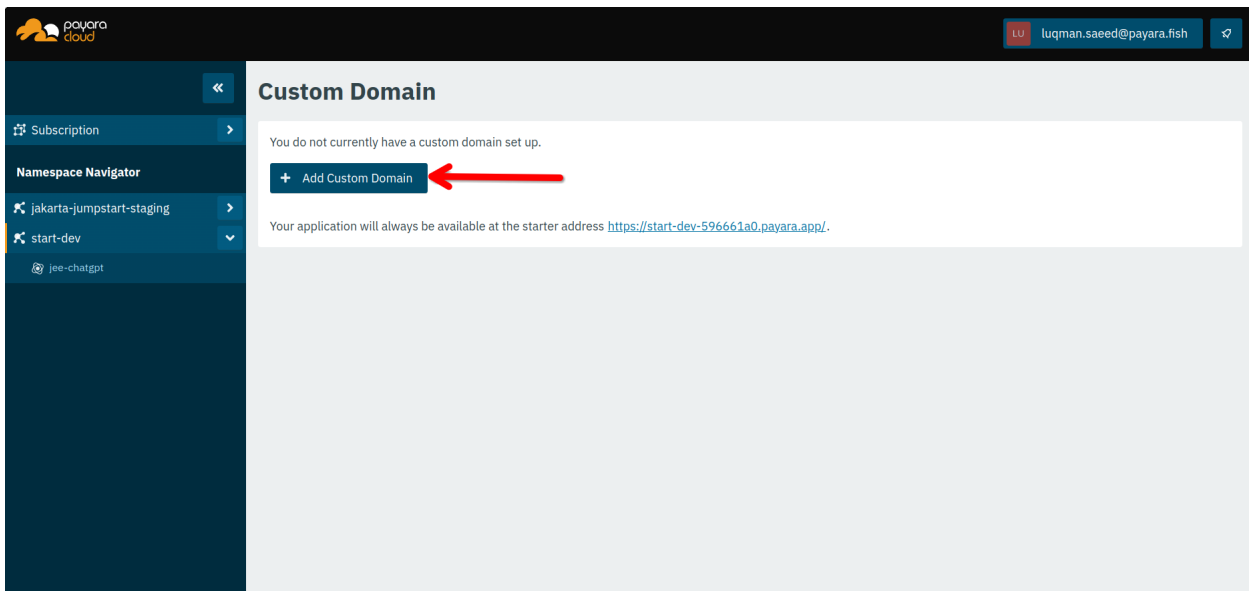Click **[Add Custom Domain]** in the ensuing screen.

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.
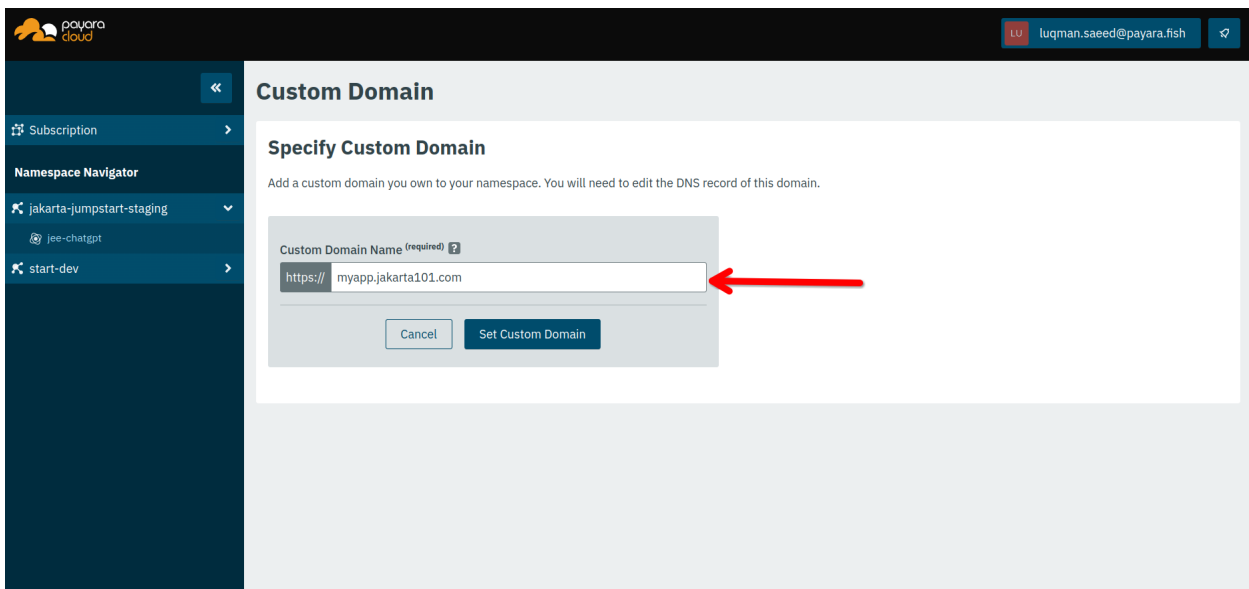

Figure 3. Screen to add custom domain to Payara Cloud

Click **[Set Custom Domain]**

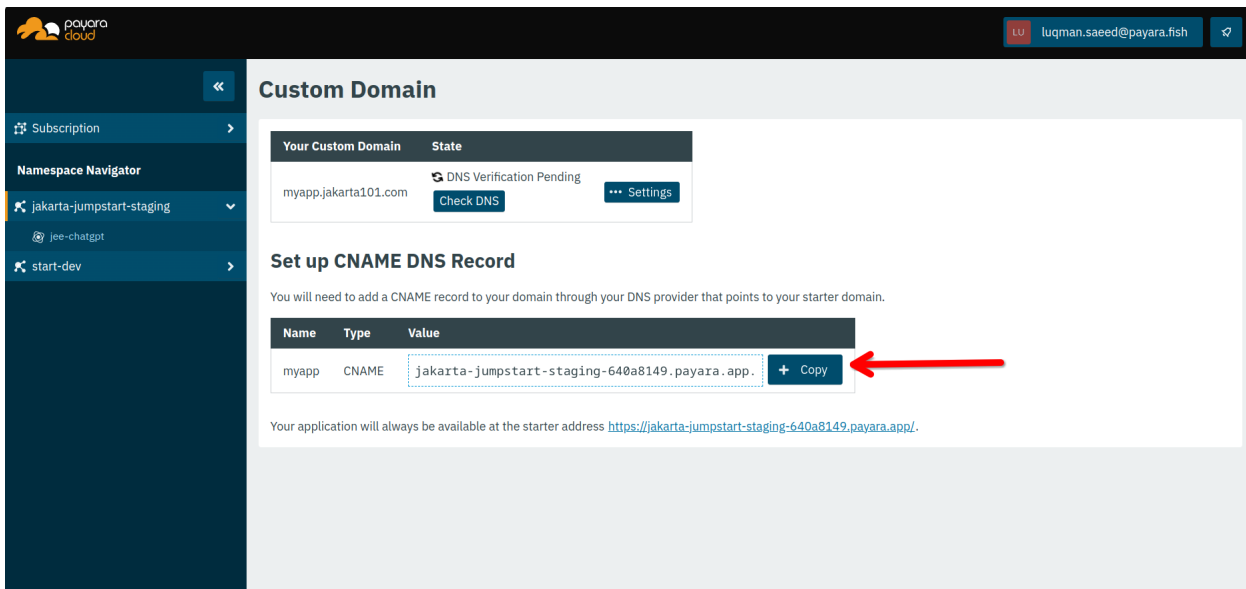You are then presented with the Custom Domain screen and the information to set up the DNS record:

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.

Figure 5. Cloudflare domain record creation screen

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

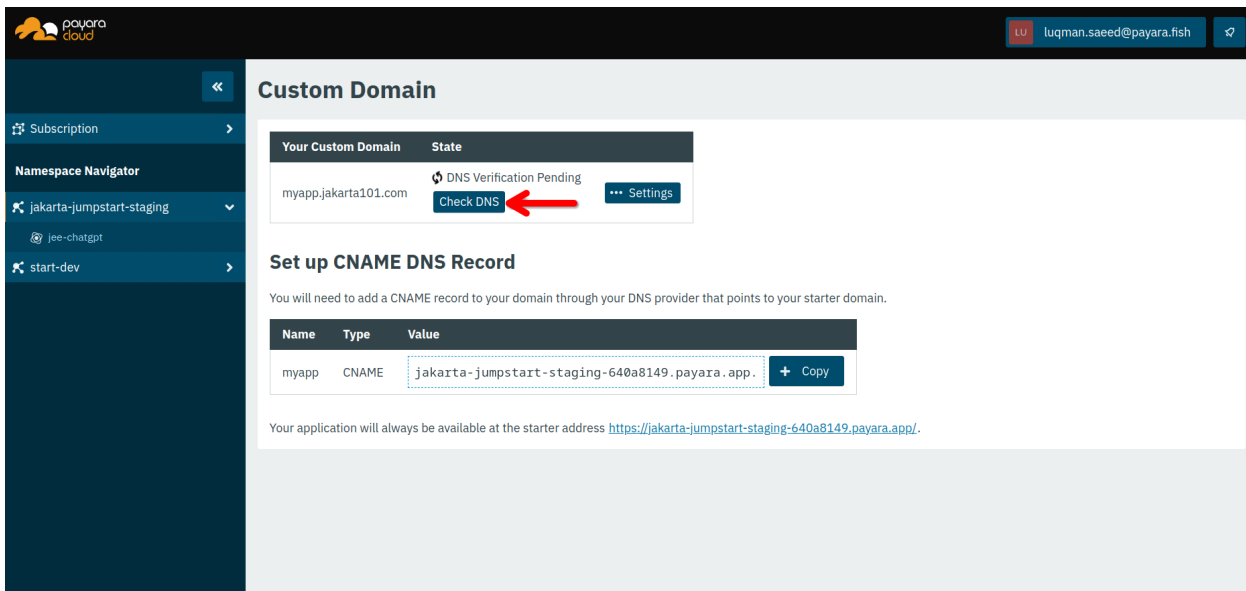Now go back to the custom domain setup screen in Payara Cloud

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

Click **[Check DNS]**

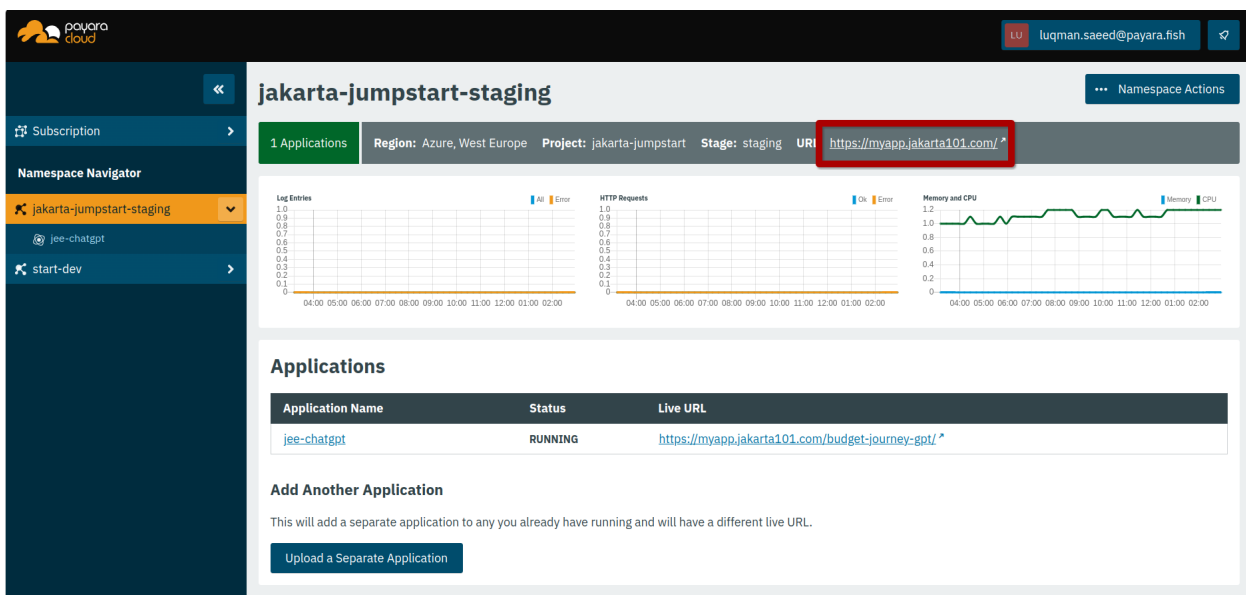Your namespace should now be associated with the URL.

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.