Adding a Custom Domain for UPTIME /HELIX Portal

This document is mainly for adding custom domain /friendly name for accessing Uptime Portal by end users. Typically, Azure Front Door host had 'azurefd.net' (example: https://helixshowcase-frontend.azurefd.net) in the access link and customers want a name which is easily rememberable & suitable to the branding. After you create a Front Door, the default frontend host, which is a subdomain of azurefd.net, is included in the URL for delivering Front Door content from your backend by default (for example, https://contoso-frontend.azurefd.net/activeusers.htm).

Below are the steps on "how to add a custom domain to your Front Door". When you use Azure Front Door for application delivery, a custom domain is necessary if you would like your own domain name to be visible in your end-user request. Having a visible domain name can be convenient for your customers and useful for branding purposes.

What Customer (DXCI) needs to do?

Create a canonical name (CNAME) record with your domain provider to point to your Front Door's default frontend host (say contoso.azurefd.net). A CNAME record is a type of DNS record that maps a source domain name to a destination domain name. For Azure Front Door, the source domain name is your custom domain name and the destination domain name is your Front Door default hostname.

Example: We created the **CNAME record uptime.myworkstyle.info** to point to Front Door default frontend host **helixshowcase-frontend.azurefd.net, below are the steps for GoDaddy:**

1. Sign in and select the custom domain you want to use.
2. In the Domains section, select Manage All, then select DNS | Manage Zones.
3. For Domain Name, enter your custom domain, then select Search.
4. From the DNS Management page, select Add, then select CNAME in the Type list.
5. Complete the fields of the CNAME entry:
   - Type: Leave CNAME selected.
   - Host: Enter the subdomain of your custom domain to use. For example, www or profile.
   - Points to: Enter the default host name of your Front Door. For example, contoso.azurefd.net.
   - TTL: Leave one Hour selected.
6. Select Save.
   The CNAME entry is added to the DNS records table.
7. If you have an afdverify CNAME record, select the pencil icon next to it, then select the trash can icon.
8. Select Delete to delete the CNAME record.

Associate the custom domain with your Front Door

After you've registered your custom domain with your domain provider such as GoDaddy, you can then add it to your Front Door.

1. Sign into the Azure portal and browse to the Front Door containing the frontend host that you want to map to a custom domain.
2. On the Front Door designer page, click on '+' to add a custom domain.
3. Specify Custom domain.
4. For Frontend host, the frontend host to use as the destination domain of your CNAME record is pre-filled and is derived from your Front Door: <default hostname>.azurefd.net. It cannot be changed.
5. For Custom hostname, enter your custom domain, including the subdomain, to use as the source domain of your CNAME record. For example, www.contoso.com or cdn.contoso.com. Do not use the afdverify subdomain name.
6. Select Add.
   Azure verifies that the CNAME record exists for the custom domain name you entered. If the CNAME is correct, your custom domain will be validated.

Also, you must ensure that each of the frontend hosts (including custom domains) in your Front Door has a routing rule with a default path ('/*') associated with it. That is, across all of your routing rules there must be at least one routing rule for each of your frontend hosts defined at the default path ('/*'). Failing to do so, may result in your end-user traffic not getting routed correctly.

Verify the custom domain

After you have completed the registration of your custom domain, verify that the custom domain references your default Front Door frontend host. In your browser, navigate to the address of the file by using the custom domain. For example, if your custom domain is robotics.contoso.com, the URL to the cached file should be similar to the following URL: http://robotics.contoso.com/my-public-container/my-file.jpg. Verify that the result is that same as when you access the Front Door directly at <Front Door host>.azurefd.net.

You can follow the Microsoft article below as well for more details on this:

Add a custom domain to your Front Door
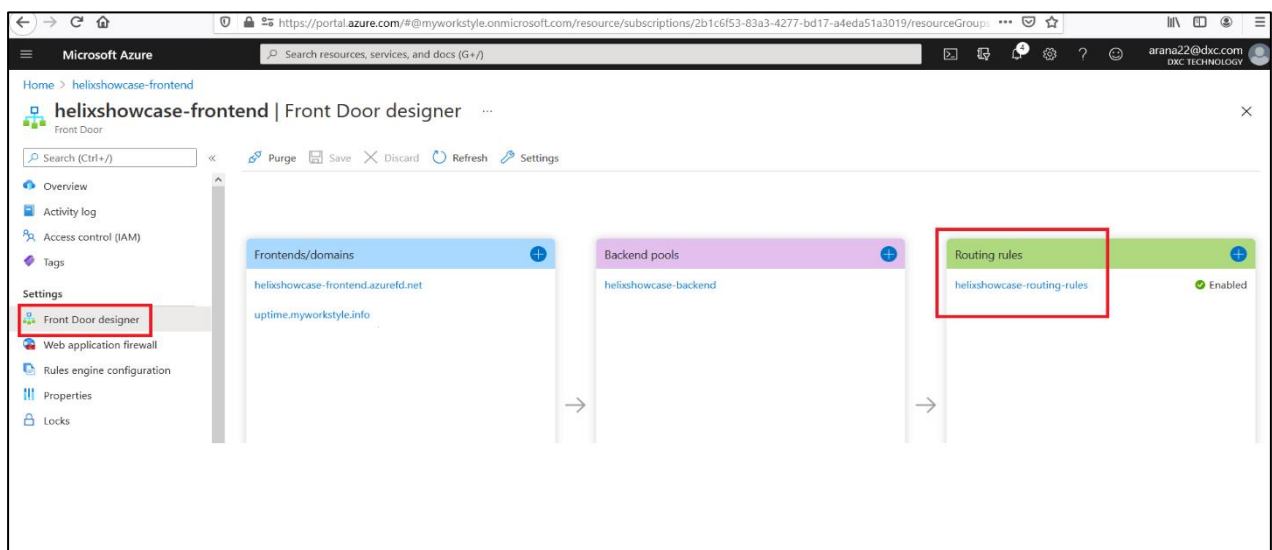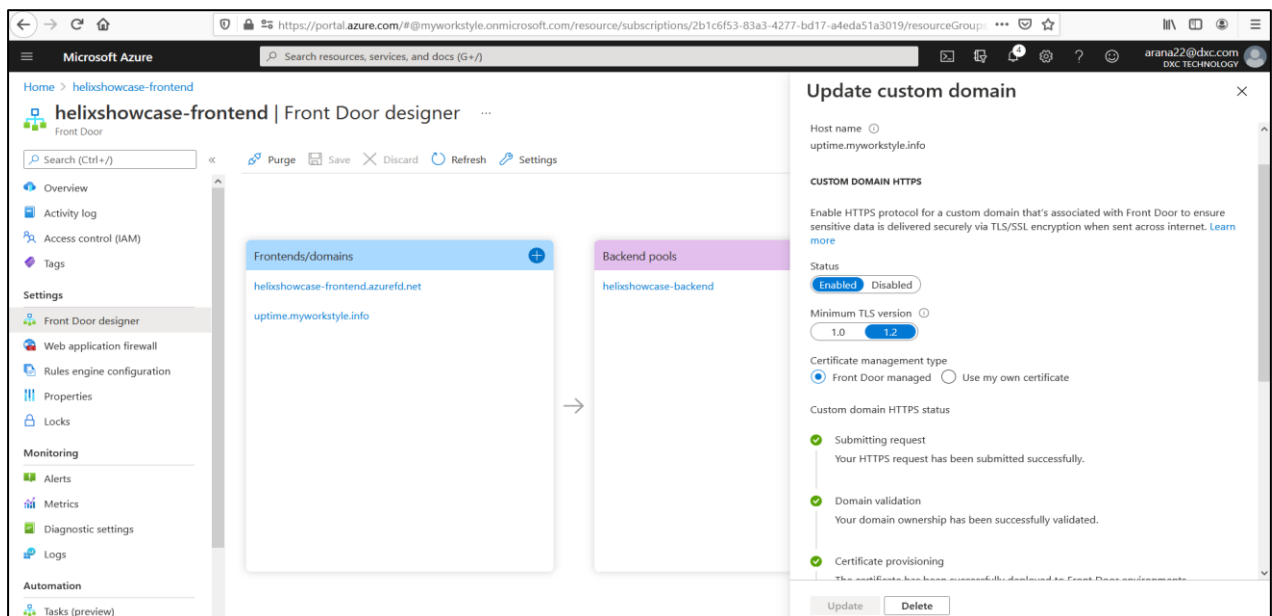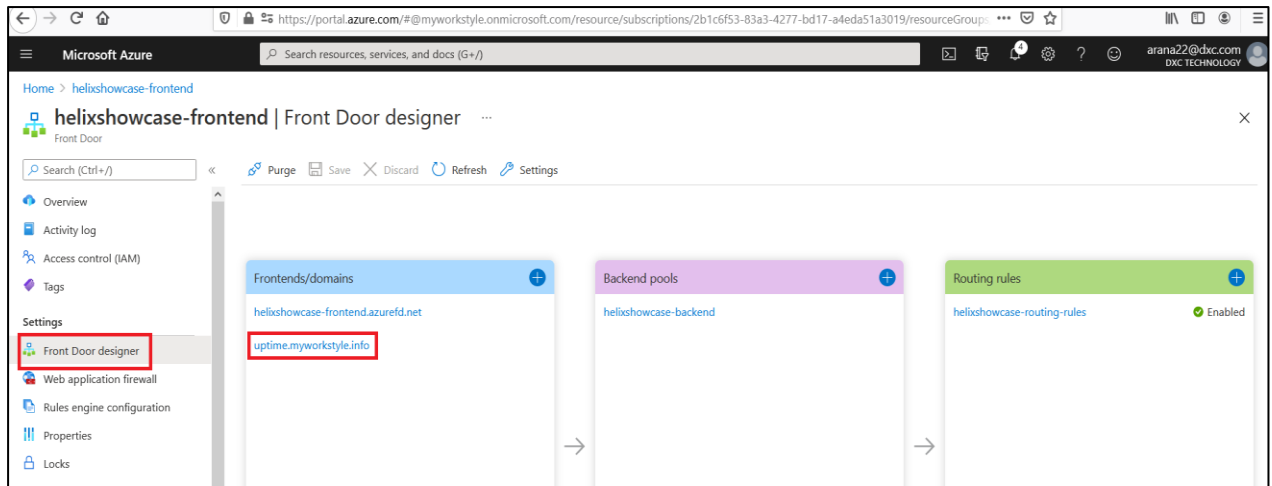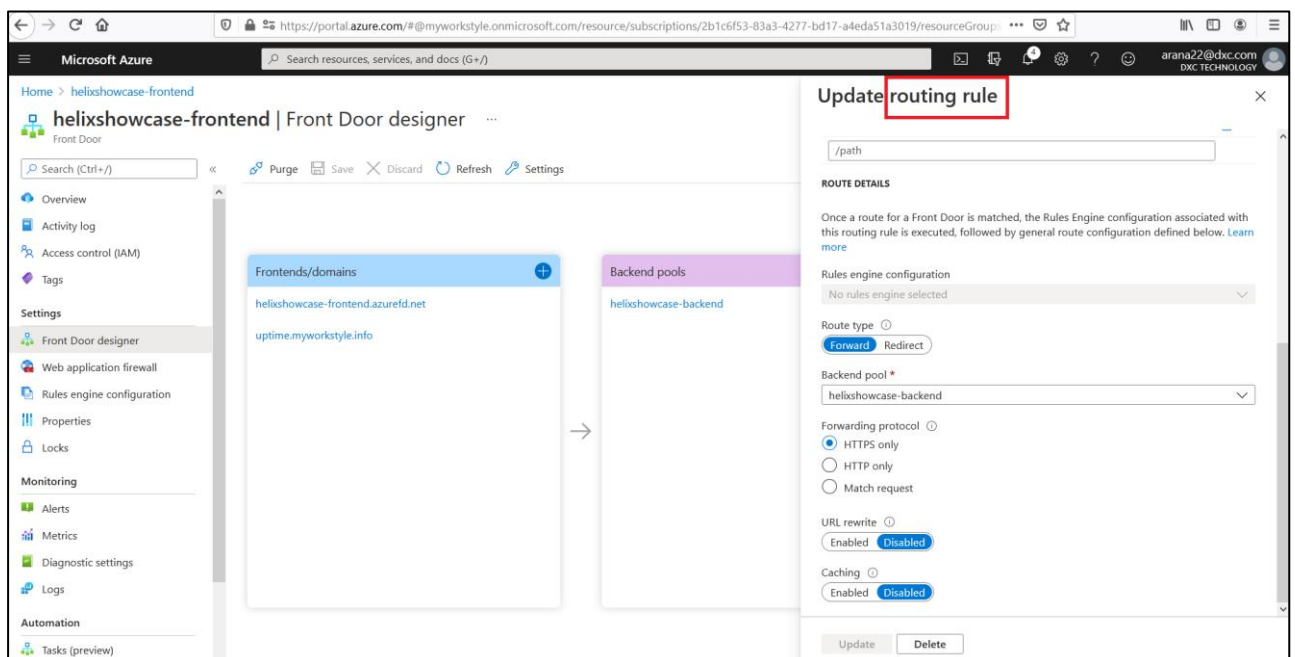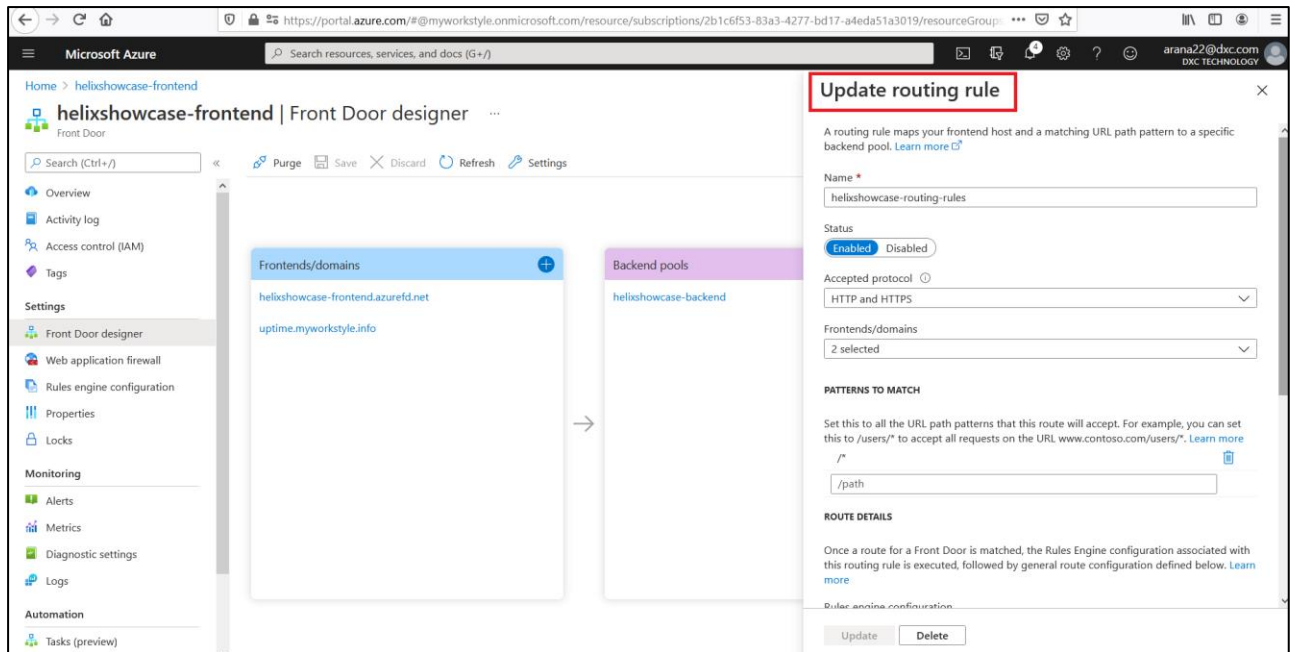
** IMP** Please note all these snapshots are taken after addition of Frontend Domain & Routing Rule (or after implementing steps mentioned in page 1 &2 of this document).