Trying out the Frontend in Production

Now that we have all our microservices deployed to AKS, let's also deploy our React Frontend so we can exercise the entire system from a real client in our Production environment.

The source code attached to this lesson includes an updated version of the React Frontend code base. So please start by downloading and extracting the updated frontend files into your Play.Frontend local directory, replacing all the previous files.

In Play.Frontend

1. Open helm\values.yaml

2. Open README.md

3. Find the **Build the docker image** section

4. Run the commands

5. Find the **Publish the docker image** section

6. Run the commands

7. Find the **Install the Helm chart** section

8. Run the command

9. Verify the pod is running

In Play.Infra

10. Add the frontend mapping

```
---
apiVersion: getambassador.io/v3alpha1
kind: Mapping
metadata:
  name: frontend-mapping
spec:
  hostname: playeconomy.eastus.cloudapp.azure.com
  prefix: /
  service: frontend-client.frontend
```

11. Apply mappings.yaml

12. Commit and push

In Play.Identity

13. Update identity.yaml:

```
…
spec:
  …
  template:
    …
    spec:
      containers:
        - name: identity
          …
          env:
            …
            - name: IdentitySettings__CertificateKeyFilePath
              value: "/certificates/certificate.key"
            - name: IdentityServerSettings__Clients__0__RedirectUris__0
              value: "https://playeconomy.eastus.cloudapp.azure.com/authentication/login-callback"
            - name: IdentityServerSettings__Clients__0__PostLogoutRedirectUris__0
              value: "https://playeconomy.eastus.cloudapp.azure.com/authentication/logout-callback"
          resources:
            …
```

14. Apply identity.yaml

15. Commit and push

In the Browser

16. Browse to the Frontend home page
    https://playeconomy.eastus.cloudapp.azure.com

17. Login as admin

18. Create an item in the Catalog

19. Grant more gil to Player1

20. Login as Player1

21. Go to the Store

22. Purchase the created item

23. Check My Inventory

So, as you can see, the entire system is now running in your Production environment, taking full advantage of your dockerized microservices, Kubernetes, an API gateway and multiple Azure services that collaborate to provide a great end to end experience to your users.