

Enabling HTTPS and TLS termination in Emissary-ingress

Let's enable HTTPS and TLS termination in our Emissary-ingress API Gateway.

In Play.Infra

1. Add host.yaml

```
apiVersion: getambassador.io/v3alpha1
kind: Host
metadata:
  name: playeconomy-host
spec:
  hostname: playeconomy.eastus.cloudapp.azure.com
  acmeProvider:
    email: julioc@dotnetmicroservices.com
  tlsSecret:
    name: playeconomy-tls
```

2. Update listener.yaml:

```
apiVersion: getambassador.io/v3alpha1
kind: Listener
metadata:
  ...
spec:
  ...
```

```
apiVersion: getambassador.io/v3alpha1
kind: Listener
metadata:
  name: https-listener
spec:
  port: 8443
  protocol: HTTPS
  securityModel: XFP
  hostBinding:
    namespace:
      from: SELF
```

3. Update README:

```
## Enabling TLS and HTTPS
```powershell
kubectl apply -f .\emissary-ingress\host.yaml -n $namespace
```

```
kubectl apply -f .\emissary-ingress\listener.yaml -n $namespace
'''
```

4. Run the commands

5. Commit and push

In the next lesson you will modify the Identity microservice so it can properly handle https requests coming from the API gateway.