Deploy Certificates to OCI Load Balancers

Using the OCI command line interface (not the GUI console)

SKILLBUILDERS

Deploy a trusted certificate

- All web sites need to use HTTPS
- That means deploying a certificate
- Which tier to deploy on? Any or all of:
  - Tomcat servlet container
  - Apache HTTPD listener
  - OCI load balancer
  - Possibly more...

The starting point

- Domain name registered with DNS
- Load balancer configured
- A compute instance running the Apache httpd server
- Trusted certificate available
- OCI CLI installed and configured

The OCI load balancer

- The entry point to your web application
- Does a lot more than load balancing
  - Conceals resources from the internet
  - Intelligent request routing to backend servers
  - Logging activity and errors
- Manages the HTTPS SSL handshake
  - Deploy your certificates here
  - Presents a certificate appropriate to the hostname

To conclude

- SSL is usually required at all levels
- The internet facing point needs a trusted certificate
  - Often, the load balancer
  - Possibly further out: WAF, or Cloud Flare.
- Deployment needs to be automated
  - Scheduled renewals
  - Scripted with the OCI CLI tool