

Running an ASP.NET Application with SSL using Docker Compose



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Overview



Foundation you've established

- References
- UI tooling covers a lot

Docker Compose – *another* tool?

- Get IdentityServer running

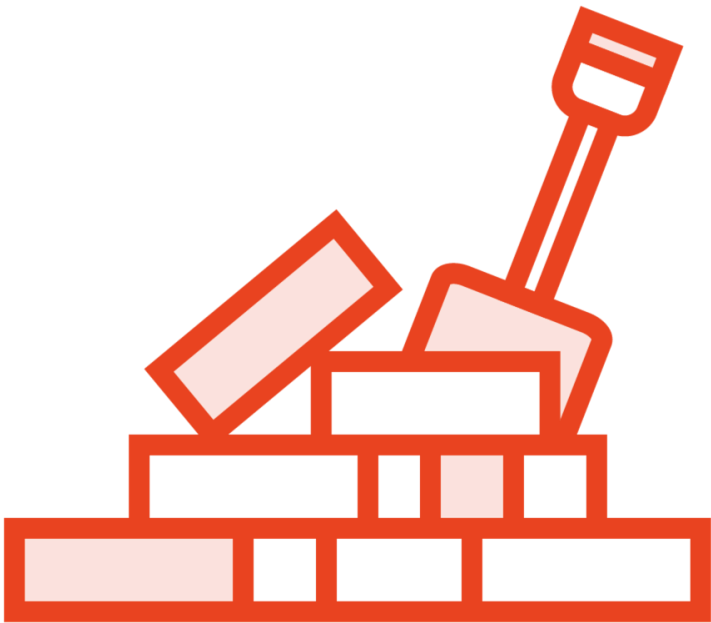
SSL termination, reverse proxies, services, and ingresses... oh my!

Nginx as a reverse proxy

Adding SSL



Great Foundation



Pull images: `docker pull image:tag`

Run containers: `docker run ...`

- Ports, environment variables

Dockerfiles to build containers

- FROM, COPY

UI tools cover a lot

- Images, containers, start/stop, remove, logs

Check the docs!



Introducing Docker Compose

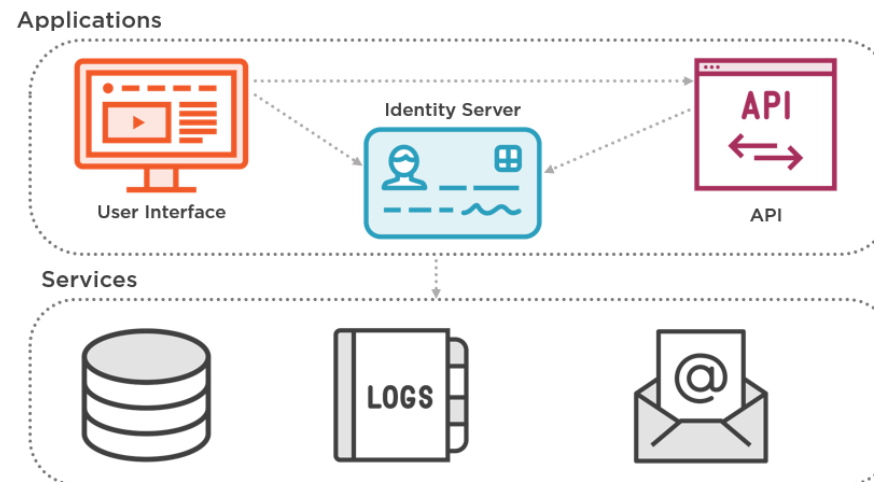


Container orchestration tool

"Define and share multi-container applications"

Simplify what we need to keep track of

Good fit for our solution:



Demo



Add Container Orchestration Support

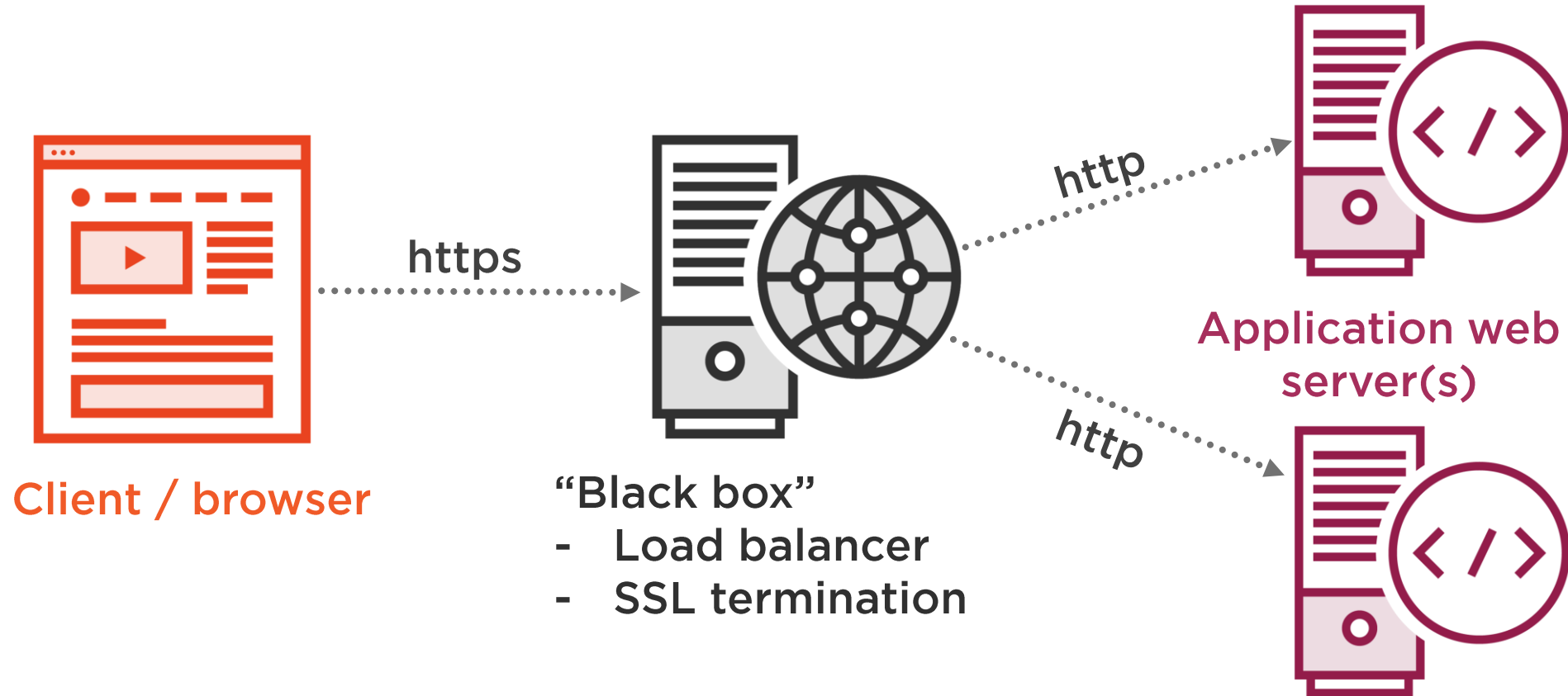
Update identity project

Run and debug in Docker Compose

Inspect discovery document



SSL Termination



Demo



Update ports on IdentityServer

Add nginx as a reverse proxy

- Config file
- HOSTS entry
- Forwarded headers

Add SSL certificate to nginx



Summary



Really coming together

Docker Compose = container
orchestration tool (developer-focused)

Run identity application within Docker
Compose

SSL termination discussion

Set up nginx as reverse proxy

Add SSL to reverse proxy



Up Next:

Adding Multiple Projects and Images to
Docker Compose

