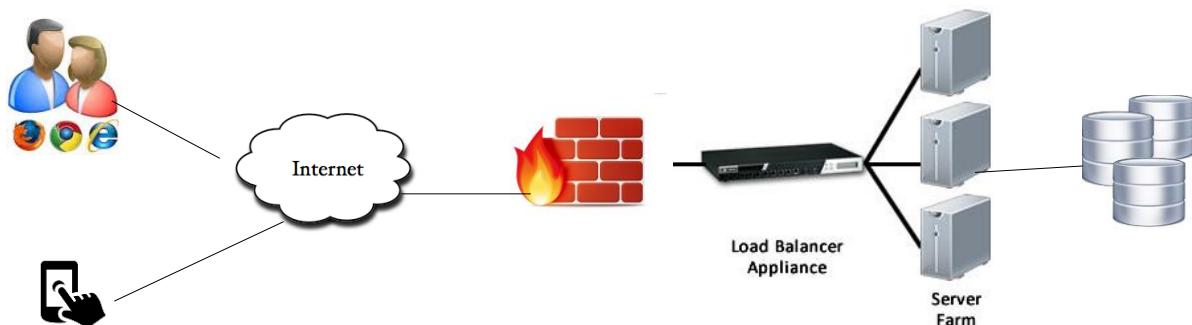


Exercise 1 – Diagram B2B Web & Mobile application

Hands-on: diagram B2B web and mobile applications, sharing the same REST backend

Context

ACME Hotel Booking (AHB) is upgrading their legacy client server booking system. Prior to the development of their new system, they hired you to perform a risk analysis of it. Below is the AHB architecture "overview".



AHB account managers search and enrol new Hotels and B&Bs to the system. Hotel and B&B owners can enter their availability and discounts in their own web pages on the AHB system. Hotels offer unique discounts to get listed on top of the user search results. The AHB administrators manage the various users and their roles. Travel agencies have their own web pages on the AHB system (and direct REST API access) to sell hotel rooms to their customers. Agencies get commission fees on this. Customers use the web site and a mobile app (iOS and Android) through the same API to book and manage their reservations. Customers use their credit cards to reserve & pay their hotel rooms through a 3rd party payment provider. Customers get extra credits for promoting AHB through their social networks and with writing hotel reviews.

Make sure to list your assumptions. The trainer is available to respond to your questions, he plays the role of business owner of the AHB system.

Challenge

- 1) Create the context diagram of the AHB Booking system.
- 2) Create the data flow diagram of the AHB Booking system.
- 3) Identify the trust boundaries and order them in priority based on a scoring system.
- 4) List your assumptions.
- 5) Prepare your presentation to the other groups.