Specifics…

* The 3 firewalls are needed for network protection, the SSL certificate is for HTTPS service and the Sumologic clients are used to collect server performance and security data.
* The firewalls are to prevent unauthorized access to the servers and network
* The traffic is served over HTTPS instead of HTTP in order to encrypt communication
* Monitoring is used to assess the performance and security of the servers and the website
* The monitoring tool Sumologic collects data from the servers through a client that is installed.
* By using the Sumologic cloud utility

Issues…

* Terminating SSL at the load balancer poses a security issue since the network between the balancer and the application server will be unencrypted.
* Since only one of the MySQL accepts writes it becomes a single point of failure.
* Having the same components for all of the servers makes it more likely for the same type of failure to down all the servers.