ALX Project

2 . Secured and monitored web infrastructure

For every additional element, why you are adding it:

Firwalls to save servers from attacks, monitoring client to send collected data to data collector

And ssl to be send our website using https.

What are firewalls for:

It use rules to controls trusted and untrusted traffic as a security system .

Why is the traffic served over HTTPS:

HTTPS makes information secure and not a plain text in a communication.

What monitoring is used for:

Monitoring helps the administrator to discover and diagnose network issues.

How the monitoring tool is collecting data:

It collects it from web servers and MySQL DB.

Explain what to do if you want to monitor your web server QPS:

I can stand on network analyses to monitor it.

The issues with this infrastructure:

Why terminating SSL at the load balancer level is an issue:

To don't force load balancer power and CPU.

Why having only one MySQL server capable of accepting writes is an issue:

Because if we lose it (explode, if it down …) data will not be updated anymore.

Why having servers with all the same components (database, web server and application server) might be a problem:

If we want to make a small change in one of them, may the change applies to other components.