

Deploying Web site of a small-scale Fashion Retailer

Business Case Scenario

A small-scale fashion retailer plans to have their presence on the web by starting their own web site. Currently they have a set of static web pages which they want to deploy on their web site. Followed by this they would like to add more functionality and make their web site interactive with a database backend to store data of their apparels and other merchandise.

Attached is the sample content that they would like to see on their web site to begin with.

They have decided to use a cloud platform for their web site and selected AWS as their choice. They also have got a domain name *pgcpb8.ml* allocated for their web site.

Problem Statement

You have to decide on the infrastructure that should be used for this web site then get it up and running with the given sample content. The web site is expected to have high-availability and handle large number of visits with reasonable response time even when the load increases.

You need to determine and implement:

- a) Environment i.e. EC2 instance or S3 on which the content is to be hosted
- b) Address other non-functional requirements such as scaling up with increasing visitor load mentioned above
- c) Make sure that when *pgcpb8.ml* or *www.pgcp.ml* is given on a browser it brings up these sample web pages.

List of Resources and References

1. LMS Videos on:
 - EC2 Instance, Web server deployment
 - Load balancers and Auto scaling
 - Route 53 and DNS services
2. Webinar sessions on the above topics
3. <https://my.freenom.com/> and <http://www.dot.tk> for more information on the domain name mentioned above and to manage the DNS list.