**Rehosting Hands-on**

**Business Case**: Migration of an application server from On-Premise Server to cloud. Moving the application and db to AWS EC2 instance.

**Process**: Testing team need to perform Premigration Testing on the On-Premise Server. Then Migration server needs to be created in AWS. Take code and db back up from the source server. Next install App. Migration of Data. Establish connections. Perform Postmigration Testing.

**Main Tasks**

1. Premigration Testing.
2. Creating AWS instance and Setup.
3. Migrate App and Data.
4. Post migration Testing.
5. **Premigration Testing.**

Source Server Details

URL: <http://3.27.160.86/CollegeMgmt>

Admin User Name superuser@demo.com

Admin Password 123456

* 1. Explore the app.
  2. Write tests.
  3. Create data. Add College, Moderator, Students (Make sure to prepend your name to the data that you create)
  4. Perform Exploratory Testing.
  5. Note Down test cases and bugs.
  6. Also note response time etc. of the app for some of the functions you do.

1. **Creating AWS instance and Setup.**
   1. Use the document “CMTS Setting up AWS EC2 Windows Instance.docx” for instructions.
   2. Download xampp installer exe for Windows from <https://www.apachefriends.org/download.html>
   3. Install XAMPP (Keep default options) and run the exe. (It may take a few mins)

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* 1. Start apache and mysql in the xampp controller and access http://localhost to see the apache dashboard.

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Graphical user interface, application, website

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1. **Migrate App and Data.**
   1. Open <https://github.com/SmithaVerity/CollegeMgmt.git> (INSIDE THE WINDOWS INSTANCE) and download the Code to C://xampp/htdocs (Change folder name to CollegeMgmt).

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* 1. Check <http://localhost/CollegeMgmt> (will get DB error).

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* 1. Go to Import tab. Click Choose file and select the college\_mgmt\_source.sql from the code folder.

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* 1. Go to C://xampp/htdocs/CollegeMgmt/application/config/database.php and enter host: localhost, username:root, password:blank, database : college\_mgmt).

Graphical user interface

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Text

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* 1. Access application from localhost. (It will open).

A screenshot of a computer

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* 1. Access application from your laptop’s browser (Won’t open)

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* 1. In AWS Security Group for the instance, add inbound rule for accessing port 80 from anywhere.

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* 1. In the server’s windows firewall, Adv. Settings, add new inbound rule for opening port 80.

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* 1. Check application again. (Redirection issue).

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* 1. Go to C://xampp/htdocs/CollegeMgmt/application/config/config.php and enter base url = ur app url (with tracing /).

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A screenshot of a computer

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1. **Post migration Testing.**
2. Check migrated Data.
3. Perform regression testing, Exploratory Testing.
4. Note Down test cases and bugs.