Blog for CA674 Cloud Architecture project

Team Members:

* Javedali Shaikh
* Sanjay Singh
* Kevin Shortall

Please note that this github blog was created on 15th November 2017. Up until this date, progress was tracked in a Google Sheet location in Google Drive, at the link shown below. The first entries shown in this blog come from that Google Sheet.

**Google Sheet location:**

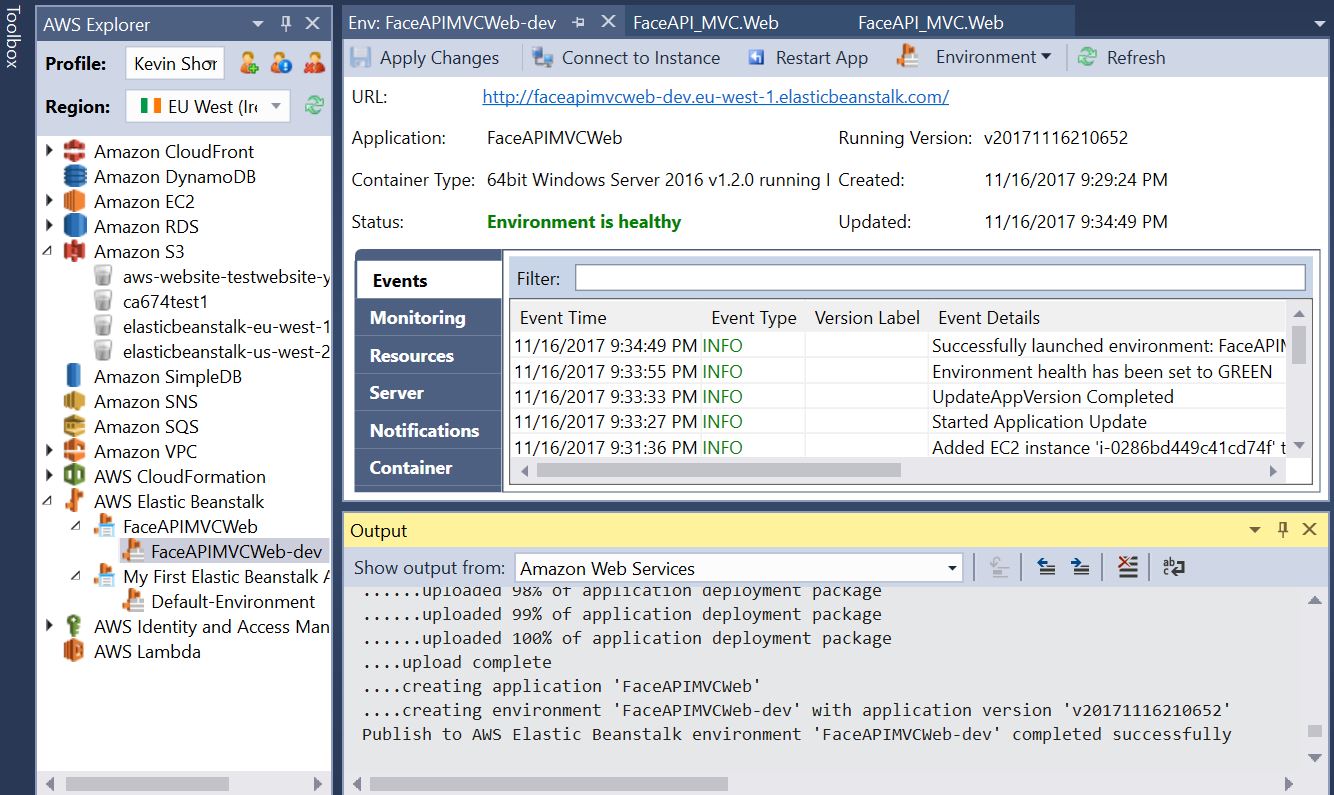
<https://docs.google.com/spreadsheets/d/1fGVU8-_ZSk_-E7G1xKPsJQ1M4j3zhTc23c0DhKyYrhk/edit#gid=0>

**Original Google Sheet entries:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Student(s)** | **Topic** | **Detail** |
| 27/9/2017 | All | Group formation | Initial group formed of three students. |
| 29/9/2017 | Kevin | Project Topic | Initial project topic regarding the storage of photos on various cloud servers sent to the group via email. |
| 1/10/2017 | Sanjay | Project Topic | Additional project topic suggestions regarding various versions of SQL accessing docker locations on different cloud platforms. |
| 6/10/2017 | Kevin | Project Group | Project group of 3 students (Sanjay, Javed, Kevin) confirmed to lecturer. |
| 9/10/2017 | All | Meeting | Group meeting in Business School of DCU to brainstorm project ideas. Discussed possibilities of using DockerHub for code storage locations and accessing it from AWS and Azure. Also examining different storage types, such as table, file, blob, etc. |
| 11/10/2017 | All | Project Topic | Email sent by Kevin to lecturer, after discussion with the whole group, regarding some initial potential project topics, as well as seeking clarification on the scope required. Response received on the same day which ruled out some of the smaller-scoped project ideas. |
| 17/10/2017 | Javed | Project Topic | Suggestion to use face recognition application, fetching images from storage on the cloud and using machine learning services. Other suggestions of IoT Hub (connect and monitor IoT devices) and Develop Micro-services and orchestrate containers. |
| 18/10/2017 | Sanjay | Project | Whatsapp group created for the project. |
| 18/10/2017 | All | Skype Call | Discussed various project options. Decided upon running face recognition app on a hosted website using three different sources - Azure, AWS and OpenShift. |
| 19/10/2017 | Kevin | Project Topic | Confirmation that AWS is more suitable than Google due to Google has a face detection API, but not a face recognition API. |
| 20/10/2017 | Kevin | Project Proposal | Proposal file uploaded to Loop for review by the lecturer. |
| 28/10/2017 | Sanjay | Project Report | Draft report suggestion circulated to the group containing suggested headings and content. |
| 29/10/2017 | Javed | Website format | Request that ability of hosting asp.net websites is required of all three cloud services. Confirmed by all students. |
| 30/10/2017 | All | Skype Call | Confirmation that all three infrastructures can support asp.net websites. |
| 30/10/2017 | Javed | Skype Call | Website code sourced. Code to be refined and submitted to github as the central repository. |
| 08/11/2017 | Kevin | Blog | Google Spreadsheet created and shared to be used as a Blog location for the team. |
| 12/11/2017 | Javed | Web code | Initial website code for face recognition api shared with the group via Github. |
| 13/11/2017 | All | Project Meeting | Demonstration of web code developed so far and it's interaction with Microsoft Azure. Clarification of the next steps to incorporate that code into AWS and Open Shift cloud platforms. Layout of the remainder of the project approximately as follows: 1. Hosting  2. Configuring  3. Storage  4. Scaling |
| 13/11/2017 | Kevin | Visual Studio | Visual Studio 2017 Community Edition installed. When trying to open the FaceAPI\_MVC.sln file, the following feature was required to be installed in Visual Studio: ..\FaceAPI\_MVC.Web\FaceAPI\_MVC.Web.csproj |
| 15/11/2017 | Kevin/Sanjay | Meeting | Meeting in Business School in DCU. Review of recent progress with regards to hosting website on AWS and OpenShift. Demonstration of VM Machine used by Sanjay to access Cloud areas. |
| 15/11/2017 | Sanjay | Minishift | MiniShift setup on Windows -  Installed Virtual Box 5.1.3  minishift-1.6.0-windows-amd64  Just tried how to start and stop Virtual Box using cmd command and setup to access Openshift using local IP - <https://192.168.99.100:8443/console/> |

**16/11/2017 - Kevin**

Web app successfully deployed to AWS via the AWS Toolkit in Visual Studio 2017. The URL successfully brings the user to a browser window which shows the web application interface.



**17/11/2017 – Kevin**

Difficulty found when trying to upload an image from a local source to the Face API webpage. I have accessed the url from different devices, so the page is live, but there is a disconnect with retrieving the images. I am still working on a solution to this.