# Lab Four: Operational Report of Functionality

## Introduction:

The task of the Operations Team is to write the scripts and build the architectures to support the application and the changes to the application over time. The Operational Report of Functionality is the Operations Team’s way to say and show that a release candidate script will provide the functionality that is required.

## Deliverables:

The deliverables for this lab include the development and implementation of a release engineering process that will allow you to change the version of the application that you are serving while also interacting appropriately with your monitoring system.

Answers don’t need to be long, instead concentrate on being concise and effective.

# Operations Report of Functionality:

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| --- | --- |
| Group Number: | 4 |
| Group Members: | Nate Bachelder (Formerly Williams), Steffen Barr, Eli Hopkins, Xavier Rivera |
|  |  |
|  |  |
| Version/Lab Number: | 4 |
| Date: | 12/13/21 |

Fill in the table below with a short description that answers the question.

## Deliverables:

|  |  |
| --- | --- |
| What functionality is required of your architecture to satisfy the requirements of the lab? | Our architecture is required to be capable of loading new versions of the Explore California site to dev servers then transfer them to prod servers after the version is confirmed to be working. |
| Show that your architecture satisfies those requirements. Screenshots can be very effective for this. | Dev to Prod:  Version to Dev: |
| What additional services/resources did you have to add to provide the additional functionality? | Had to install Git. |
| Success/Definition of successful completion | The playbook follows the given process and is stable. |
| Enough of a description of the system or script that a new user understands its purpose | The Version to Dev playbook deploys a version of the Explore California site to the dev servers. The Dev to Prod playbook switches the dev and production servers. |
| Explanation of complicated or non-intuitive portions of code or process | No complicated code, task names are appropriate and informative. |
| Basic usage and operation | ansible-playbook versionToDev.yml  ansible-playbook devToProd.yml |
| Which user to interact with the system or script as | The devToProd must run locally as root. The versionToDev playbook may be run as any user. The playbooks run on the remote system as root. |
| Where the script or system runs and what it touches or needs access to | The playbooks touch the root of the filesystem on the remote system and the web directory on dev servers. |
| Known issues | N/A |
| Future plans or features | N/A |