

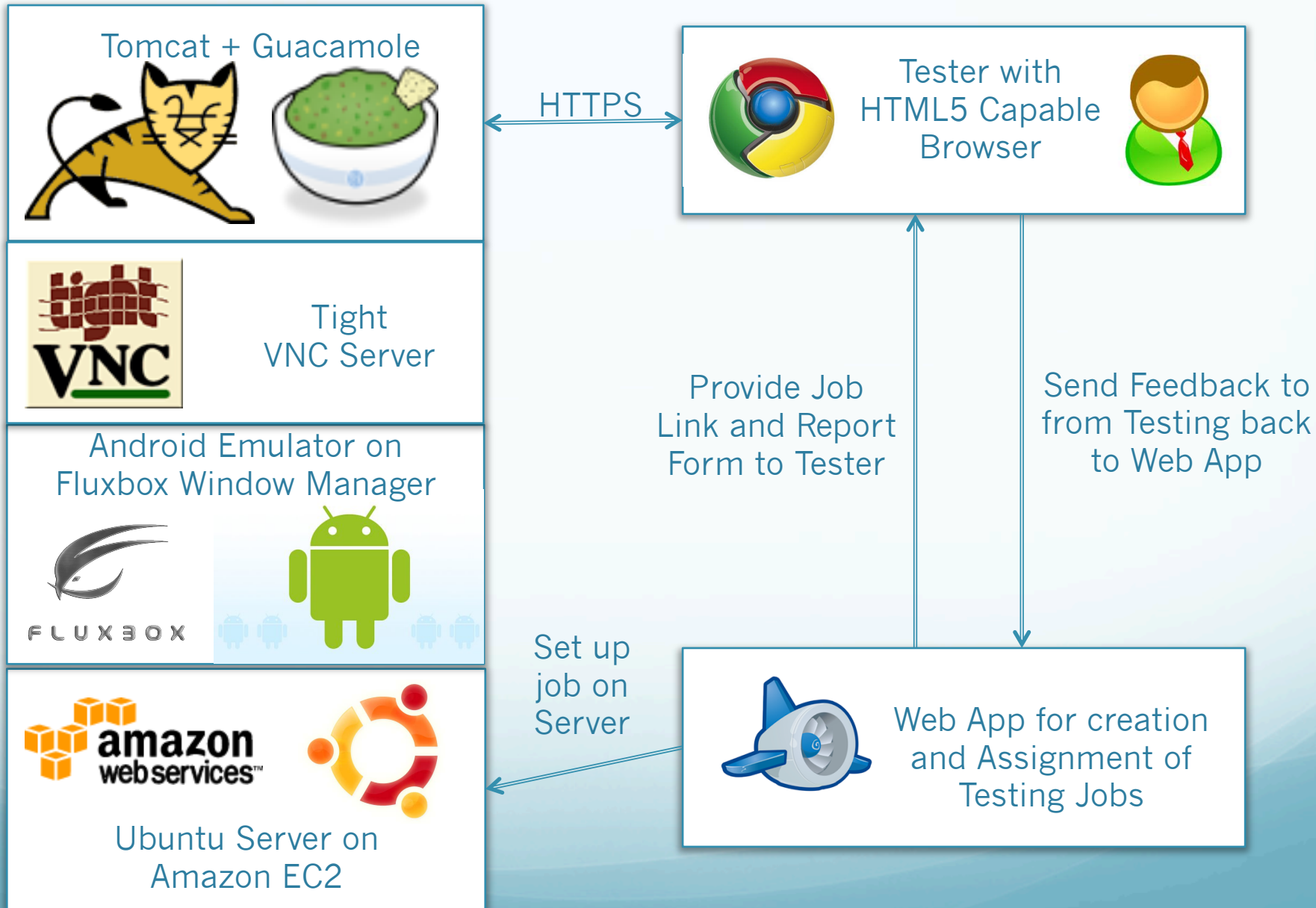
# Web Based Testing of Android Apps on Amazon EC2

Mark Ahern's Final Year Project  
UCD Computer Science and Informatics

# Project Overview

- Motivation
  - Simplify process of testing Android apps.
  - Enable crowd-sourced testing of apps.
  - Reduce cost of testing.
- Objective
  - Developer: Submits an app for testing, specifying devices to test on.
  - Tester: Follows link to android emulator with the app ready to test.

# Proposed System Architecture



# State of the Project

- Progress so far:
  - Web accessible Android Emulator works.
  - Can have Multiple users on system at once.
  - Runs smoothly when there are enough System Resources
    - Running Emulator + X Windows + Fluxbox + Tomcat is resource heavy.
- Next steps:
  - Create workflow for setting up ready-made testing Environment.
  - Investigate Performance implications / limitations of having concurrent users.
- Working on project alongside my Final Year classes.

# Links

- <http://www.ahern.ie> (Project Blog)
- <http://bit.ly/coggFj> (Project Description)
- <http://developer.android.com> (Android Developers)
- <http://guacamole.sourceforge.net> (Guacamole)
- <http://aws.amazon.com> (Amazon Web Services)
- <http://fluxbox.org> (Fluxbox Window Manager)
- <http://www.tightvnc.com/> (VNC Server)
- <http://alestic.com> (Ubuntu AMI's for Amazon EC2)
- <http://ubuntu.com> (Ubuntu Home Page)