POWER8 Continuous Integration

Spring Midterm Progress Report

Leon Leighton, Thomas Olson, Derek Wong

Project 35

Abstract

This document contains an overview of the progress of the POWER8 Continuous Integration project. It includes the goals and purpose of the project, the current status, items remaining to be done, and a discussion of problems we have encountered.

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I. PROJECT GOALS

The primary goal of this project is to create a continuous integration (CI) system for IBM's POWER8 architecture. This CI system will be available to open source software projects, giving them the ability to build and test their software on POWER8 without the need for them to acquire new hardware. We will be utilizing the OSU Open Source Lab's POWER8 OpenStack cluster to deploy our project and run the builds and tests. We also aim to make the system easy to use while still giving users the ability to customize their build environment. Our focus will be on interacting with GitHub to trigger new builds as developers commit new changes to their code. Users will be able to access the status of their builds to gain information about build or test failures. They will also be able to download the binaries built by the system. Our project will also be open source and hosted on GitHub which will allow others to replicate our project on their own systems.

II. CURRENT PROGRESS

III. RETROSPECTIVE

Positives	Deltas	Actions
Communication with client	Clarify design elements	Revise design document
Communication with OSL	Lack of feedback between team members while writing documents	Share and request feedback earlier in writing process
Communication between team members	Some assignments rushed	Begin work earlier and keep each other up to date.
Completed and turned in required documents	Did not make full use of clients availability	Ask for help or feedback from client earlier in process