Bazel java POC

This document is based on my understanding on Bazel.

Bazel is a build tool for java based application like maven.

It will create a BUILD and WORKSPACE file.

BUILD file is blueprint for java\_binary created with src package and main file name.

java\_binary(

name = "TestApp",

srcs = glob(["src/main/java/com/poc/\*.java"]),

}

This is root package and all file under /poc will be scan and build by Bazel.

It will also create a target directory.

This rule will tell bazel to run a jar file.

glob(include, exclude=[], exclude\_directories=1, allow\_empty=True)

glob is a helper function to match all nested package directory to build jar.

We can exclude directory to be scan on runtime. Using exclude\_directories =1.

It can have a pattern matcher like

java\_library(

name = "mylib",

srcs = glob(

["\*\*/\*.java"],

exclude = ["\*\*/testing/\*\*"],

),

)

To exclude package /testing.

In Bazel we can specify multiple target folder to build.

This will create multi-module project.

deps = [":greeter"],

is helps to inject dependent library while build.

**For each sub-module a separate BUILD file will create.**

In this example I create a simple Bazel project with 2 module so separate BUILD file created.

Happy Bazel!!