

EPIC-Dev-Gem

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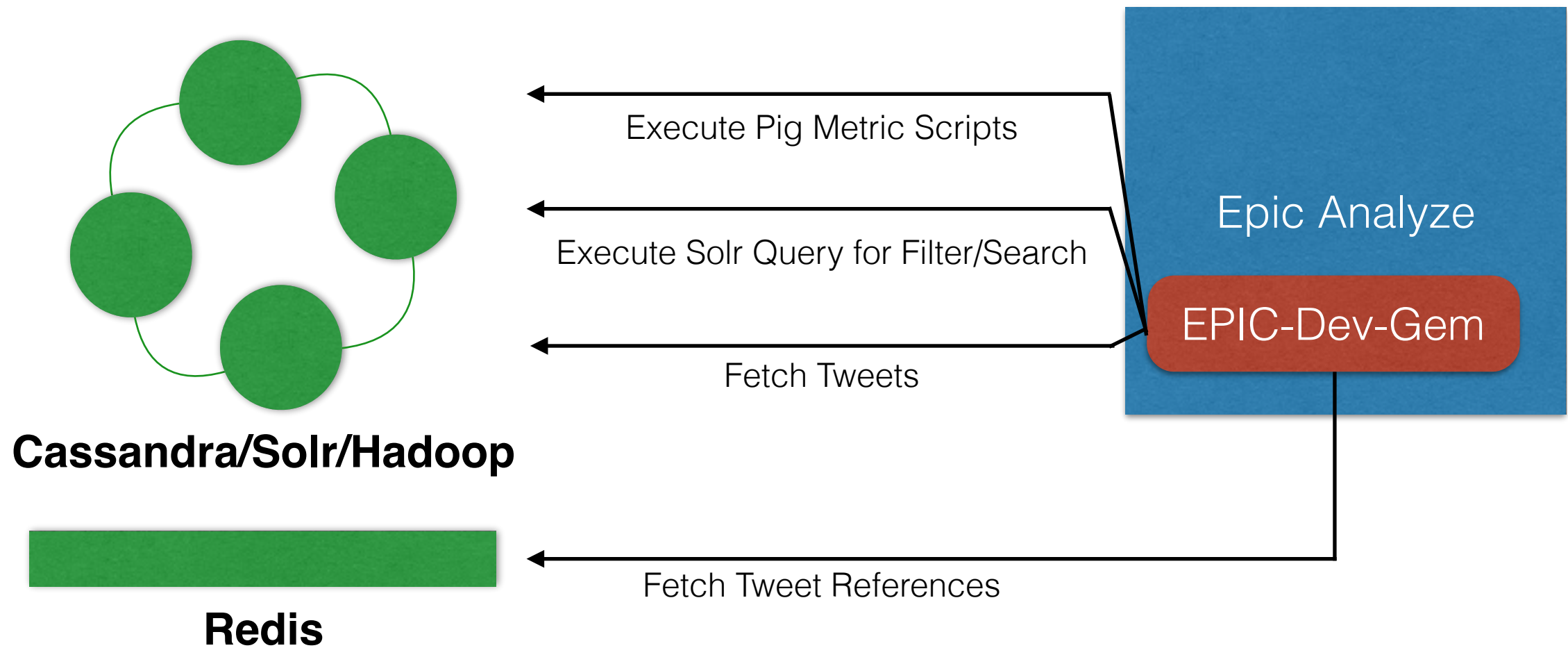
Ruby Gems

- Are encapsulated, shareable Ruby codebases
- 88K Ruby Gems hosted on RubyGems.org, more gems on GitHub, BitBucket, etc.
- Do the heavy lifting that your application code won't have to
- Easy to create, easy to maintain, easy to deploy

EPIC Dev Gem

- GOAL: To allow the entire EPIC Lab and its collaborators to make best use of infrastructure (if they know ruby, that is).
- Satisfies key technology access points:
 - Read/write Twitter data to/from any Cassandra instance
 - Read data from any Redis instance
 - Read data from any Solr instance
 - UPCOMING: Execute Pig Queries against Hadoop instances

Visual Roadmap of EPIC-Dev-Gem



Setting Up

- GO TO: <https://bitbucket.org/mbarrenecheajr/epic-dev-gem>
- Clone the repo and get to work!

Making Changes

- It goes like this:
 - **Make Changes** (run `$bundle console` to interactively test out changes)
 - **Test & Review** (`$rspec spec/name_of_test_spec.rb`)
 - **Commit** (`$git commit`) **and Push** (`$git push`)
 - **Build** (`$rake build`)
 - **Deploy** (`$gem inabox -g http://epic-analytics.cs.colorado.edu:9292 pkg/epic-dev-gem-0.2.x.gem`)
 - **Repeat**
- Changes are done with version numbers. For every commit, please + 0.0.1 the version number found in `lib/version.rb`.
- You must COMMIT & PUSH your changes from your working copy BEFORE building the gem.

Deploying

- GO TO: <http://epic-analytics.cs.colorado.edu:9292>
- There you will see the Geminabox server. This server will accept any gem that you put into it. Use the Geminabox gem to deploy to the Geminabox server.
- Once the latest gem version has been deployed, you can `$bundle update` your code in EPIC Analyze to receive those changes. Make sure you discard previous versions!

Demo