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=Ruby Rules® for Bazel :pdf-fontsdir: /Users/kig/.bashmatic./fonts;GEM\_FONTS\_DIR :pdf-theme: /Users/kig/.bashmatic/.asciidoc-pdf-theme-titilium.yml :source-highlighter: rouge :rouge-style: base16.monokai :safe: unsafe :allow-uri-read: :toc: :toclevels: 5 :icons: font :subtitle: Version :doctype: book :source-highlighter: rouge :rouge-style: base16.monokai :toclevels: 5 :toc: :sectnums: 9 :icons: font :license: apache = Ruby Rules® for [Bazel](#) Build System

This repo is primarily maintained by [Konstantin Gredeskoul](#) and [Yuki "Yugui" Sonoda](#). We are both very busy and would really love more contributors to join the core team. If you are interested in developing Ruby Rules for Bazel, please submit a couple of PRs and then lets talk!

## Build Status & Activity

CI Status	Activity & Documentation
[CircleCI]	[activity]
[Build Status]	<a href="CHANGELOG.pdf">&lt;img src="/var/folders/jq/853fg3814rs6xx_zxk9sgsv40000gn/T/image-20210707-9544-2rjpdn" format="" alt="changelog" width="0" /&gt;</a> <a href="README.pdf">&lt;img src="/var/folders/jq/853fg3814rs6xx_zxk9sgsv40000gn/T/image-20210707-9544-7d7pso" format="" alt="readme.pdf" width="0" /&gt;</a>

## Rules Development Status

Readiness	Types of Applications
Development Status Ready	ruby apps, ruby gems, micro-services, ideally in a mono-repo
Development Status Ready	medium-sized Ruby on Rails apps, ideally in a mono-repo
Development Status Wait	complex Ruby on Rails monoliths, single-repo

### NOTE

we have a short guide on [Building your first Ruby Project](#) on the Wiki. We encourage you to check it out.

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## Usage

### WORKSPACE **File**

**Load dependencies, select Ruby SDK and define one or more Bundles**

```

workspace(name = "my_ruby_project")

load("@bazel_tools//tools/build_defs/repo:http.bzl", "http_archive")
load("@bazel_tools//tools/build_defs/repo:git.bzl", "git_repository")

#-----
# To get the latest ruby rules, grab the 'master' branch.
#-----

git_repository(
    name = "bazelruby_rules_ruby",
    remote = "https://github.com/bazelruby/rules_ruby.git",
    branch = "master"
)

load(
    "@bazelruby_rules_ruby//ruby:deps.bzl",
    "rules_ruby_dependencies",
    "rules_ruby_select_sdk",
)

rules_ruby_dependencies()

#-----
# Specify Ruby version - this will either build Ruby or use a local
# RENV installation if the Ruby version matches
#-----

load("@bazel_skylib//workspace.bzl", "bazel_skylib_workspace")
bazel_skylib_workspace()

rules_ruby_select_sdk(version = "3.0.1")

#-----
# Now, load the ruby_bundle rule & install gems specified in the Gemfile
#-----

load(
    "@bazelruby_rules_ruby//ruby:defs.bzl",
    "ruby_bundle",
)

ruby_bundle(
    name = "bundle",
    excludes = {
        "mini_portile": ["test/**/*"],
    },
    gemfile = "../Gemfile",
    gemfile_lock = "../Gemfile.lock",
)

# You can specify more than one bundle in the WORKSPACE file
ruby_bundle(
    name = "bundle_app_shopping",
    gemfile = "../apps/shopping/Gemfile",
    gemfile_lock = "../apps/shopping/Gemfile.lock",
)

```

## BUILD.bazel file(s)

Any of the project BUILD files can now reference any gems included in the Gemfile referenced by the ruby\_bundle rule, and defined in the project's WORKSPACE file.

### Define Ruby Executable, Library and an RSpec

Add ruby\_library, ruby\_binary, ruby\_rspec or ruby\_test into your BUILD.bazel files.

```

#-----
# Define Ruby executable, test, spec and package a gem
#-----

load(
  "@bazelruby_rules_ruby//ruby.defs.bzl",
  "ruby_binary",
  "ruby_library",
  "ruby_test",
  "ruby_rspec",
)

ruby_library(
  name = "foo",
  srcs = glob(["lib/**/*.rb"]),
  includes = ["lib"],
  deps = [
    "@bundle//:activesupport",
    "@bundle//:awesome_print",
    "@bundle//:rubocop",
  ]
)

ruby_binary(
  name = "bar",
  srcs = ["bin/bar"],
  deps = [":foo"],
)

ruby_test(
  name = "foo-test",
  srcs = ["test/foo_test.rb"],
  deps = [":foo"],
)

ruby_rspec(
  name = "foo-spec",
  specs = glob(["spec/**/*.rb"]),
  rspec_args = { "--format": "progress" },
  deps = [":foo"]
)

```

## Package Ruby files as a Gem

Use `ruby_gem` rule to package any number of ruby files or folders into a Ruby-Gem compatible ZIP archive.

```
load(
  "@bazelruby_rules_ruby//ruby:defs.bzl",
  "ruby_gem",
)

ruby_gem(
  name = "awesome-sauce-gem", # name of the build target
  gem_name = "awesome-sauce", # name of the gem
  gem_version = "0.1.0",
  gem_summary = "Example gem to demonstrate Bazel Gem packaging",
  gem_description = "Example gem to demonstrate Bazel Gem packaging",
  gem_homepage = "https://github.com/bazelruby/rules_ruby",
  gem_authors = [
    "BazelRuby",
    "Konstantin Gredeskoul",
  ],
  gem_author_emails = [
    "bazelruby@googlegroups.com",
  ],
  gem_runtime_dependencies = {
    "colored2": ">= 3.1.2",
    "hashie": "",
  },
  gem_development_dependencies = {
    "rspec": "",
    "rspec-its": "",
    "rubocop": "",
  },
  srcs = [
    glob(["bin,exe,lib,spec"]/**/*.*.rb)
  ],
  deps = [
    "//lib:example_gem",
  ],
)
```

## Tool Specific Setup

### ASDF

If you are using ASDF to manage your ruby installs, you can use them by adding `.bazelrc`:

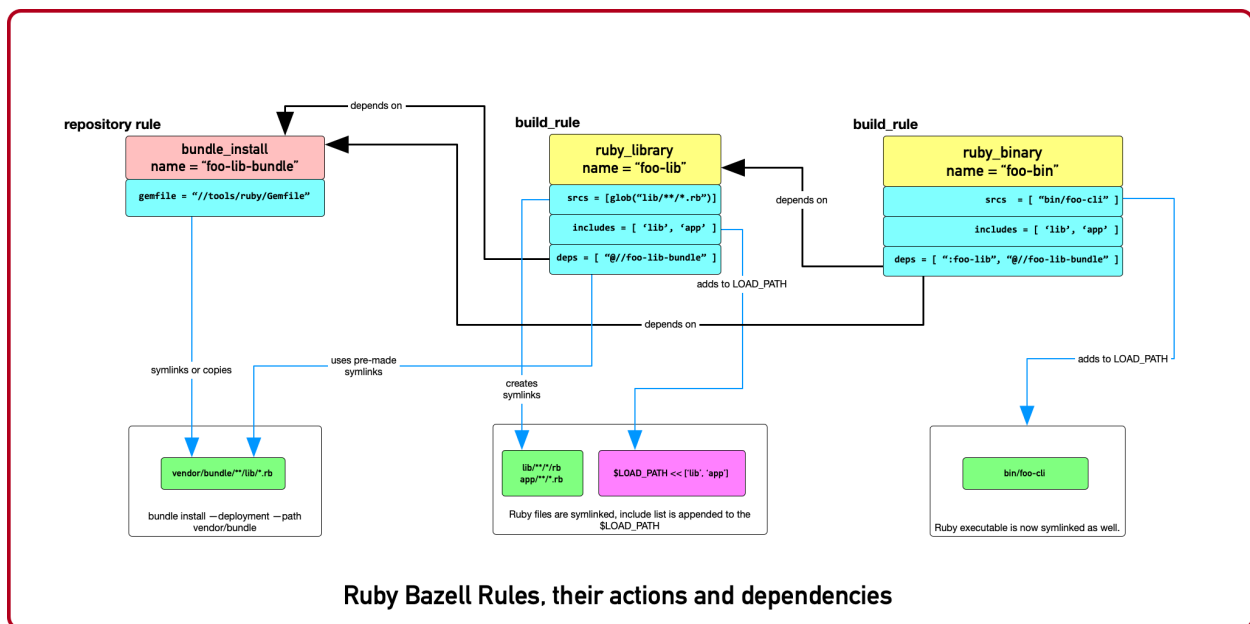
```
build --test_env=ASDF_DIR --test_env=ASDF_DATA_DIR
build --action_env=ASDF_DIR --test_env=ASDF_DATA_DIR
```

You will have to be sure to export the `ASDF_DATA_DIR` in your profile since it's not set by default. e.g.  
`export ASDF_DATA_DIR="$HOME/.asdf"`

## Rule Dependency Diagram

**NOTE** | this diagram is slightly outdated.

The following diagram attempts to capture the implementation behind `ruby_library` that depends on the result of `bundle install`, and a `ruby_binary` that depends on both:



## Rules

### ruby\_library

```

ruby_library(
    name,
    deps,
    srcs,
    data,
    compatible_with,
    deprecation,
    distribs,
    features,
    licenses,
    restricted_to,
    tags,
    testonly,
    toolchains,
    visibility)
----<table class="table table-condensed table-bordered table-params">++++<colgroup>++++<col
class="col-param">++++</col>+++
  <col class="param-description">++++</col>++++</colgroup>+++
  <thead>++++<tr>++++<th colspan="2">Attributes</th>++++</tr>++++</thead>+++
  <tbody>++++<tr>++++<td>++++<code>name</code>++++</td>++++</tr>++++</tbody>++++
  <tr>++++<td>++++<code>Name, required</code>++++</td>++++</tr>++++</tbody>++++
  <tr>++++<td>++++<code>A unique name for this rule</code>++++</td>++++</tr>++++</tbody>++++
  <tr>++++<td>++++<code>srcs</code>++++</td>++++</tr>++++</tbody>++++
  <tr>++++<td>++++<code>List of Labels, optional</code>++++</td>++++</tr>++++</tbody>++++
  <tr>++++<td>++++<code>List of <code>.rb</code> files</code>++++</td>++++</tr>++++</tbody>++++
  <tr>++++<td>++++<code>At least <code>srcs</code> or <code>deps</code> must be
present</code>++++</td>++++</tr>++++</tbody>++++
  <tr>++++<td>++++<code>deps</code>++++</td>++++</tr>++++</tbody>++++
  <tr>++++<td>++++<code>List of labels, optional</code>++++</td>++++</tr>++++</tbody>++++
  <tr>++++<td>++++<code>List of targets that are required by the <code>srcs</code> Ruby
Files</code>++++</td>++++</tr>++++</tbody>++++
  <tr>++++<td>++++<code>At least <code>srcs</code> or <code>main</code> must be
present</code>++++</td>++++</tr>++++</tbody>++++
  <tr>++++<td>++++<code>includes</code>++++</td>++++</tr>++++</tbody>++++
  <tr>++++<td>++++<code>List of strings, optional</code>++++</td>++++</tr>++++</tbody>++++
  <tr>++++<td>++++<code>List of paths to be added to <code>$LOAD_PATH</code> at runtime.
The paths must be relative to the the workspace which this rule belongs
to</code>++++</td>++++</tr>++++</tbody>++++
  <tr>++++<td>++++<code>rubyopt</code>++++</td>++++</tr>++++</tbody>++++
  <tr>++++<td>++++<code>List of strings, optional</code>++++</td>++++</tr>++++</tbody>++++
  <tr>++++<td>++++<code>List of options to be passed to the Ruby interpreter at runtime</code>++++</td>++++</tr>++++</tbody>++++
  <tr>++++<td>++++<code>NOTE: <code>-l</code> option should usually go to
<code>includes</code> attribute</code>++++</td>++++</tr>++++</tbody>++++
  <tr>++++<td colspan="2">And other <a
href="https://docs.bazel.build/versions/master/be/common-definitions.html#common-
attributes">common
attributes</a>++++</td>++++</tr>++++</tbody>++++</table>++++

=== ruby_binary

[source,python]

```

ruby\_binary( name, deps, srcs, data, main, compatible\_with, deprecation, distribs, features, licenses, restricted\_to, tags, testonly, toolchains, visibility, args, output\_licenses ) ----<table class="table table-condensed table-bordered table-params"><colgroup><col class="col-param"></col> <col class="param-description"></col></colgroup> <thead><tr><th colspan="2">Attributes</th></tr></thead><tbody><tr><td><code>name</code></td> <td><code>Name, required</code> <p>A unique name for this rule.</p></td></tr> <tr><td><code>srcs</code></td> <td><code>List of Labels, required</code> <p>List of <code>.rb</code> files.</p></td></tr> <tr><td><code>deps</code></td> <td><code>List of labels, optional</code> <p>List of targets that are required by the <code>srcs</code> Ruby files.</p></td></tr> <tr><td><code>main</code></td> <td><code>Label, optional</code> <p>The entrypoint file. It must be also in <code>srcs</code>.</p> <p>If not specified, <code><var>\$(NAME)</var>.rb</code> where <code>\$(NAME)</code> is the <code>name</code> of this rule.</p></td></tr> <tr><td><code>includes</code></td> <td><code>List of strings, optional</code> <p>List of paths to be added to <code>\$LOAD\_PATH</code> at runtime. The paths must be relative to the the workspace which this rule belongs to.</p></td></tr> <tr><td><code>rubyopt</code></td> <td><code>List of strings, optional</code> <p>List of options to be passed to the Ruby interpreter at runtime.</p> <p>NOTE: <code>-l</code> option should usually go to <code>includes</code> attribute.</p></td></tr></tbody><tbody><tr><td colspan="2">And other <a href="https://docs.bazel.build/versions/master/be/common-definitions.html#common-



attributes">common attributes</a></td></tr></tbody></table>

## ruby\_test

```
ruby_test(  
  name,  
  deps,  
  srcs,  
  data,  
  main,  
  compatible_with,  
  deprecation,  
  distribs,  
  features,  
  licenses,  
  restricted_to,  
  tags,  
  testonly,  
  toolchains,  
  visibility,  
  args,  
  size,  
  timeout,  
  flaky,  
  local,  
  shard_count  
)  
----<table class="table table-condensed table-bordered table-params">++++<colgroup>++++<col  
class="col-param">++++</col>+++  
  <col class="param-description">++++</col>++++</colgroup>+++  
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  <tbody>++++<tr>++++<td>++++<code>+++name+++</code>++++</td>+++  
    <td>++++<code>+++Name, required+++</code>+++  
    <p>+++A unique name for this rule.+++</p>++++</td>++++</tr>+++  
  <tr>++++<td>++++<code>+++srcs+++</code>++++</td>+++  
    <td>++++<code>+++List of Labels, required+++</code>+++  
    <p>+++List of <code>+++<code>+++</code>+++ files.+++</p>++++</td>++++</tr>+++  
  <tr>++++<td>++++<code>+++deps+++</code>++++</td>+++  
    <td>++++<code>+++List of labels, optional+++</code>+++  
    <p>+++List of targets that are required by the <code>+++srcs+++</code>+++ Ruby  
    Files.+++</p>++++</td>++++</tr>+++  
  <tr>++++<td>++++<code>+++main+++</code>++++</td>+++  
    <td>++++<code>+++Label, optional+++</code>+++  
    <p>+++The entrypoint file. It must be also in <code>+++srcs+++</code>+++.+++</p>+++  
    <p>+++If not specified, <code>++++<code>+++</code>+++</code>+++</code>+++ where  
    <code>+++</code>+++ is the <code>+++name+++</code>+++ of this  
    rule.+++</p>++++</td>++++</tr>+++  
  <tr>++++<td>++++<code>+++includes+++</code>++++</td>+++  
    <td>++++<code>+++List of strings, optional+++</code>+++  
    <p>+++List of paths to be added to <code>+++LOAD_PATH+++</code>+++ at runtime.  
    The paths must be relative to the the workspace which this rule belongs  
    to.+++</p>++++</td>++++</tr>+++  
  <tr>++++<td>++++<code>+++rubyopt+++</code>++++</td>+++  
    <td>++++<code>+++List of strings, optional+++</code>+++  
    <p>+++List of options to be passed to the Ruby interpreter at runtime.+++</p>+++  
    <p>+++NOTE: <code>+++</code>+++ option should usually go to  
    <code>+++includes+++</code>+++ attribute.+++</p>++++</td>++++</tr>++++</tbody>+++  
  <tr>++++<td colspan="2">+++And other <a  
href="https://docs.bazel.build/versions/master/be/common-definitions.html#common-attributes">+++common  
attributes+++</a>++++</td>++++</tr>++++</tbody>++++</table>+++  
  
== 'ruby_bundle'  
  
>NOTE: This is a repository rule, and can only be used in a 'WORKSPACE' file.<  
  
This rule installs gems defined in a Gemfile using Bundler, and exports individual gems from the bundle, as  
well as the entire bundle, available as a 'ruby_library' that can be depended upon from other targets.  
  
[source:python]
```

```
ruby_bundle( name, gemfile, gemfile_lock, bundler_version = "2.1.4", excludes = [], ruby_sdk =  
"@org_ruby_lang_ruby_toolchain", ruby_interpreter = "@org_ruby_lang_ruby_toolchain//:ruby", ) ----<table  
class="table table-condensed table-bordered table-params"><colgroup><col class="col-param"></col>  
<col  
      class="param-description"></col></colgroup>  
  <thead><tr><th
```

Attributes	
Name, required	A unique name for this rule.
gemfile	Label, required The Gemfile which Bundler runs with.
gemfile_lock	Label, required The Gemfile.lock which Bundler runs with.
bundler_version	The Version of Bundler to use. Defaults to 2.1.4.
String, optional	NOTE: This rule never updates the Gemfile.lock. It is your responsibility to generate/update Gemfile.lock.

## Limitations

Installing using a Gemfile that uses the `gemspec` keyword is not currently supported.

## Conventions

`ruby_bundle` creates several targets that can be used downstream. In the examples below we assume that your `ruby_bundle` has a name `app_bundle`:

- `@app_bundle//:bundler` — references just the Bundler from the bundle.
- `@app_bundle//:gems` — references *all* gems in the bundle (i.e. "the entire bundle").
- `@app_bundle//:gem-name` — references *just the specified* gem in the bundle, eg. `@app_bundle//:awesome_print`.
- `@app_bundle//:bin` — references to all installed executables from this bundle, with individual executables accessible via eg. `@app_bundle//:bin/rubocop`

## WORKSPACE:

```
load("@bazelruby_rules_ruby/rubydefs.bzl", "ruby_bundle")

ruby_bundle(
    name = "gems",
    bundler_version = "2.1.4",
    gemfile = "../Gemfile",
    gemfile_lock = "../Gemfile.lock",
)
```

## BUILD.bazel:

```
# Reference the entire bundle with .gems

ruby_library(
  name = "foo",
  srcs = ["foo.rb"],
  deps = ["@gems//:gems"],
)

# Or, reference specific gems from the bundle like so:

ruby_binary(
  name = "rubocop",
  srcs = ["foo", "rubocop.yml"],
  args = ["-P", "-D", "-c" "rubocop.yml"],
  main = "@gems//bin/rubocop",
  deps = ["@gems//:rubocop"],
)
```

## ruby\_rspec

```

ruby_spec(
  name,
  deps,
  srcs,
  data,
  main,
  rspec_args,
  bundle,
  compatible_with,
  deprecation,
  distribs,
  features,
  licenses,
  restricted_to,
  tags,
  testonly,
  toolchains,
  visibility,
  args,
  size,
  timeout,
  flaky,
  local,
  shard_count
)
)
----<table class="table table-condensed table-bordered table-params"><colgroup><col
class="col-param"></col><col class="param-description"></col></colgroup>
<thead><tr><th colspan="2">Attributes</th></tr></thead>
<tbody><tr><td><code>name</code></td><td><code>Name, required</code></td></tr>
<tr><td><code>Name, required</code></td><td><p>A unique name for this rule.</p></td></tr>
<tr><td><code>srcs</code></td><td><code>List of labels, required</code></td></tr>
<tr><td><code>List of labels, required</code></td><td><p>List of <code>*.rb</code> files.</p></td></tr>
<tr><td><code>deps</code></td><td><code>List of labels, optional</code></td></tr>
<tr><td><code>List of labels, optional</code></td><td><p>List of targets that are required by the <code>srcs</code> Ruby
files.</p></td></tr>
<tr><td><code>main</code></td><td><code>Label, optional</code></td></tr>
<tr><td><code>Label, optional</code></td><td><p>The entrypoint file. It must be also in <code>srcs</code>.</p>
<p>If not specified, <code>var++$(NAME)</code> where
<code>$(NAME)</code> is the <code>name</code> of this
rule.</p></td></tr>
<tr><td><code>rspec_args</code></td><td><code>List of strings, optional</code></td></tr>
<tr><td><code>List of strings, optional</code></td><td><p>Command line arguments to the <code>rspec</code> binary, eg <code>["--
progress", "-p2", "-b"]</code>.</p>
<p>If not specified, the default arguments defined in 'constants.bzl' are used.</p></td></tr>
<tr><td><code>includes</code></td><td><code>List of strings, optional</code></td></tr>
<tr><td><code>List of strings, optional</code></td><td><p>List of paths to be added to <code>LOAD_PATH</code> at runtime.
The paths must be relative to the workspace which this rule belongs
to.</p></td></tr>
<tr><td><code>rubyopt</code></td><td><code>List of strings, optional</code></td></tr>
<tr><td><code>List of strings, optional</code></td><td><p>List of options to be passed to the Ruby interpreter at runtime.</p>
<p>NOTE: <code>-l</code> option should usually go to
<code>includes</code> attributes.</p></td></tr>
<tr><td colspan="2"><p>And other <a
href="https://docs.bazel.build/versions/master/be/common-definitions.html#common-attributes">common
attributes</a></p></td></tr>
</tbody></table>
=== 'ruby_gem'

Used to generate a zipped gem containing its srcs, dependencies and a gemspec.

[source,python]

```

```

ruby_gem( name, gem_name, gem_version, gem_summary, gem_description, gem_homepage, gem_authors,
gem_author_emails, gem_runtime_dependencies, gem_development_dependencies, require_paths = ["lib"],
srcs = srcs, deps = deps, data = data ) ----<table class="table table-condensed table-bordered table-
params"><colgroup><col class="col-param"></col> <col class="param-description"></col></colgroup>
<thead><tr><th colspan="2">Attributes</th></tr></thead> <tbody><tr><td><code>name</code></td>
<td><code>Name, required</code> <p>A unique name for this build target.</p></td></tr>

```

<code>gem_name</code>	<code>Name of the gem, required</code>	<p>The name of the gem to be generated.</p>
<code>gem_version</code>	<code>String, optional</code>	<p>The version of the gem. Is used to name the output file, which becomes <code>name-version.zip</code>, and also included in the Gemspec.</p>
<code>gem_summary</code>	<code>String, optional</code>	<p>One line summary of the gem purpose.</p>
<code>gem_description</code>	<code>String, required</code>	<p>Single-line, paragraph-sized description text for the gem.</p>
<code>gem_homepage</code>	<code>String, optional</code>	<p>Homepage URL of the gem.</p>
<code>gem_authors</code>	<code>List of Strings, required</code>	<p>List of human readable names of the gem authors. Required to generate a valid gemspec.</p>
<code>gem_author_emails</code>	<code>List of Strings, optional</code>	<p>List of email addresses of the authors.</p>
<code>srcs</code>	<code>List of Labels, optional</code>	<p>List of <code>.rb</code> files.</p>
<code>deps</code>	<code>List of labels, optional</code>	<p>At least <code>srcs</code> or <code>deps</code> must be present</p>
<code>require_paths</code>	<code>List of Strings, optional</code>	<p>List of targets that are required by the <code>srcs</code> Ruby files.</p>
<code>gem_runtime_dependencies</code>	<code>String Dictionary, optional</code>	<p>At least <code>srcs</code> or <code>deps</code> must be present</p>
<code>gem_development_dependencies</code>	<code>String Dictionary, optional</code>	<p>List of paths to be added to the Ruby <code>LOAD_PATH</code> when using this gem. Typically this value is just <code>lib</code> (which is also the default).</p>

This is a dictionary where keys are gem names, and values are either an empty string or a [gem version specification](https://www.devalot.com/articles/2012/04/gem-versions.html). For instance, the pessimistic version specifier `~> 3.0` means that all versions up to `4.0` are accepted.

Similar to the above, this specifies gems necessary for the development of the above gem, such as testing gems, linters, code coverage and more.

## Potential Future Features

- ☒ Using various versions of Ruby installed locally
- ☐ Building native extensions in gems with Bazel
- ☐ Releasing your gems with Bazel ([Coinbase fork](https://github.com/coinbase/rules_ruby) might have this feature, worth checking)

## Contributing

We welcome contributions to RulesRuby. Please make yourself familiar with the [code of conduct](#), which basically says — don't be an a-hole.

You may notice that there is more than one Bazel WORKSPACE inside this repo. There is one in `examples/simple_script` for instance, because we use this example to validate and test the rules. So be mindful whether your current directory contains WORKSPACE file or not.

# Setup

## Using the Script

You will need Homebrew installed prior to running the script.

After that, cd into the top level folder and run the setup script in your Terminal:

```
> bin/setup
```

This runs a complete setup, shouldn't take too long. You can explore various script options with the help command:

```
> bin/setup help
USAGE:
# without any arguments runs a complete setup.
bin/setup

# alternatively, a sub-setup function name can be passed:
bin/setup [ gems | git-hook | help | os-specific | main | remove-git-hook ]

DESCRIPTION:
Runs full setup without any arguments.

Accepts one optional argument - one of the actions that typically run
as part of setup, with one exception - remove-git-hook.
This action removes the git commit hook installed by the setup.

EXAMPLES:
bin/setup - runs the entire setup.
```

## OS-Specific Setup

Note that the setup contains os-specific section. This is because there are two extension scripts:

- bin/setup-linux
- bin/setup-darwin

Those will install Bazel and everything else you need on either platform. In fact, we use the linux version on CI.

## Issues During Setup

**Please report any errors to `bin/setup` as Issues on Github. You can assign them to @kigster. If I am not responding fast enough, and you are in a hurry, please email kigster AT gmail directly.**

## Developing Rules

Besides making yourself familiar with the existing code, and [Bazel documentation on writing rules](#), you might want to follow this order:

1. Setup dev tools as described in the [setup](#) section.
2. hack, hack, hack...
3. Make sure all tests pass — you can run a single command for that (but see more on it [below](#).

```
bin/test-suite
```

OR, you can run individual Bazel test commands from the inside.

- `bazel test //...`
- `cd examples/simple_script && bazel test //...`
  1. Open a pull request in Github, and please be as verbose as possible in your description.

In general, it's always a good idea to ask questions first — you can do so by creating an issue.

## Running Tests

After running setup, and since this is a bazel repo you can use Bazel commands:

```
bazel build //...all
bazel query //...all
bazel test //...all
```

But to run tests inside each sub-WORKSPACE, you will need to repeat that in each sub-folder. Luckily, there is a better way.

## Test Script

This script runs all tests (including sub-workspaces) when ran without arguments:

```
bin/test-suite
```

Run it with `help` command to see other options, and to see what parts you can run individually. At the moment they are:

```
# alternatively, a partial test name can be passed:
bin/test-suite [ all | bazel-info | buildifier | help | repec | rubocop | simple-script | workspace ]
```

On a MacBook Pro it takes about 3 minutes to run.

## Linter

We are using RuboCop for ruby and Buildifier for Bazel. Both are represented by a single script `bin/linter`, which just like the scripts above runs ALL linters when ran without arguments, accepts help command, and can be run on a subset of linting strategies:

```
bin/linter
```

The following are the partial linting functions you can run:

```
# alternatively, a partial linter name can be passed:
bin/linter [ all | buildifier | help | rubocop ]
```

## Regenerating README.pdf & Changelog

To regenerate, first you may need to grab an [API token](#) and export the `GITHUB_TOKEN` variable:

```
export GITHUB_TOKEN=...
```

Then use the `make` target:

```
make update
```

Or, manually:

```
gem install github_changelog_generator
github_changelog_generator -u bazelruby -p rules_ruby -t your-github-token
```

## Copyright

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