

**Ruby on Rails Developement with
Aptana RadRails**
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Overview

- Short intro to Ruby.
- Short intro to Rails.
- Build a small Rails app with Aptana.

What is Ruby?

- Object-Oriented Language
- Interpreted, No compiler
- Dynamically typed reflective
- Powerful iterators and code block support
 - IRB Demo

What is Rails?

- MVC
- ActiveRecord (ORM)
- ActionPack (controller, http request/responses)
- ActionView (Html Templating)
- Database Migrations
- 1,000s of plugins

No Jars, No XML

<http://www.youtube.com/watch?v=PQbuyKUaKFo>

Aptana Studio

- Full Feature Web development environment
- Built-on Eclipse
- Includes support for Php, Javascript, Ruby on Rails & Python.

Creating a Rails Application

- Click File -> New -> Rails Project
 - For quick setup, use sqlite.

Generate Some Models

- Click "Console" tab
- `script/generate model post title:string body:text`

or

- `script/generate resource post title:string body:text`
- Resource adds restful route.

Generate the Database

- From Rails Console:
 - rake [db:migrate](#)
- Edit Model, add validations.

Edit Controller and View

- Use Aptana H/T/M/V/C
- Add 'new' method to `app/controllers/posts_controller.rb`
- Preview page in Aptana browser.
- Add 'new' view file

Add create action

- Add create action to posts_controller

Add Show Action

- Add show action to posts_controller
- Talk about RESTFUL routes
 - rake routes
 - Add new create with format

Add fields to post

- `script/generate migration add_author_to_post`
`author:string`
- Add field to create and show

Adding an Index

- Add index action to controller
- Add `_post` partial
- Edit show & index

Add New Route

- Edit `config/route.rb`
- Delete `public/index.html`

Adding a Layout

- Add files to `app/views/layout`
 - `posts.html.erb`
 - If layout file for controller exists, that will be used.

Adding Comment

- `script/generate resource comment`
- `rake db:migrate`
- Edit Comment model
- Edit Post model.
- Add comments to post controller and post "show" view.
- Add create action to comment_controller.

Testing

- Add shoulda test plugin
- <http://www.thoughtbot.com/projects/shoulda>
- run rake [db:test:prepare](#)
- Edit `comment_test.rb` and `post_test.rb`