

Ruby on Rails Debugging

Basic Debugging and Logging Techniques



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Course Introduction



Rails debugging!





Who Is This Course For?

Junior Rails developers with an interest in debugging Rails apps



What You Should Already Know



Intermediate Understanding of:

- Ruby
- Rails
- Web development
- Testing concepts



What We'll Be Doing



Debugging views

Query logs

The Rails console

The debug and web-console gems





Previous Version

Ruby on Rails 6: Getting Started

Anthony Alampi

<https://app.pluralsight.com/library/courses/getting-started-ruby-rails/>



main 5 branches 0 tags

Go to file Add file Code

Switch branches/tags

Find or create a branch...

Branches Tags

- main (checked) default
- module_2
- module_3
- module_4
- module_5

[View all branches](#)

Protection, or require status checks before merging. Learn more		Protect this branch
XFactor-Consultants/module_5	256b654	last month 9 commits
module_2	completes mod 5	last month
module_3	completes mod 5	last month
module_4	completes mod 5	last month
module_5	completes mod 5	last month
lib	initial commit	last month
log	initial commit	last month
node_modules	completes mod 5	last month
public	initial commit	last month
storage	initial commit	last month
test	completes mod 5	last month
tmp	initial commit	last month
vendor	initial commit	last month
.gitattributes	initial commit	last month

About

No description, website, or topics provided.

- Readme
- 0 stars
- 0 watching
- 0 forks

Releases

No releases published
[Create a new release](#)

Packages

No packages published
[Publish your first package](#)

Languages



Suggested Workflows

Based on your tech stack

<https://github.com/XFactor-Consultants/pluralsight-ruby-rails-debugging>



Version Check



This course was created by using:

- Ruby v3.2.1
- Rails v7.0.4.2
- Rails CLI
- VSCode
- Node.js v19.7.0
- NPM v9.5.1



Version Check



This course is 100% applicable to:

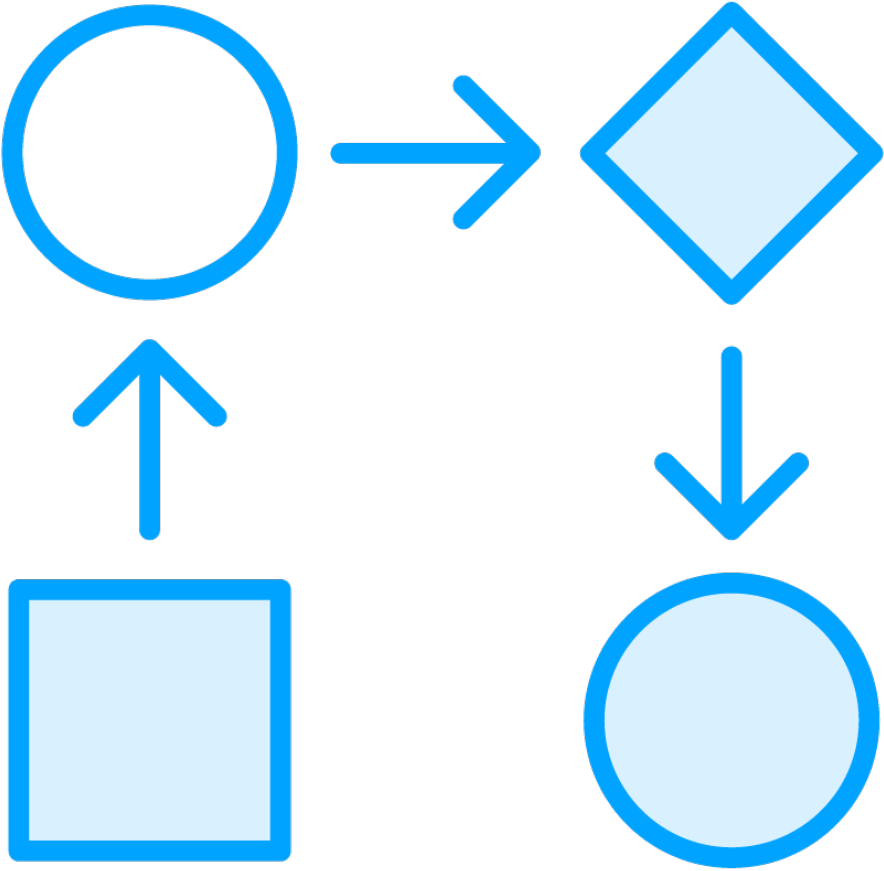
- Ruby v3 and onward
- Any version of VS Code



Introduction to Debugging in Rails



Debugging and You



Debugging: a lifestyle

Necessary part of coding



Possible Culprits



Variable set incorrectly in index

Typo in variable

Variable is empty

Determined at runtime



Debugging Expanded



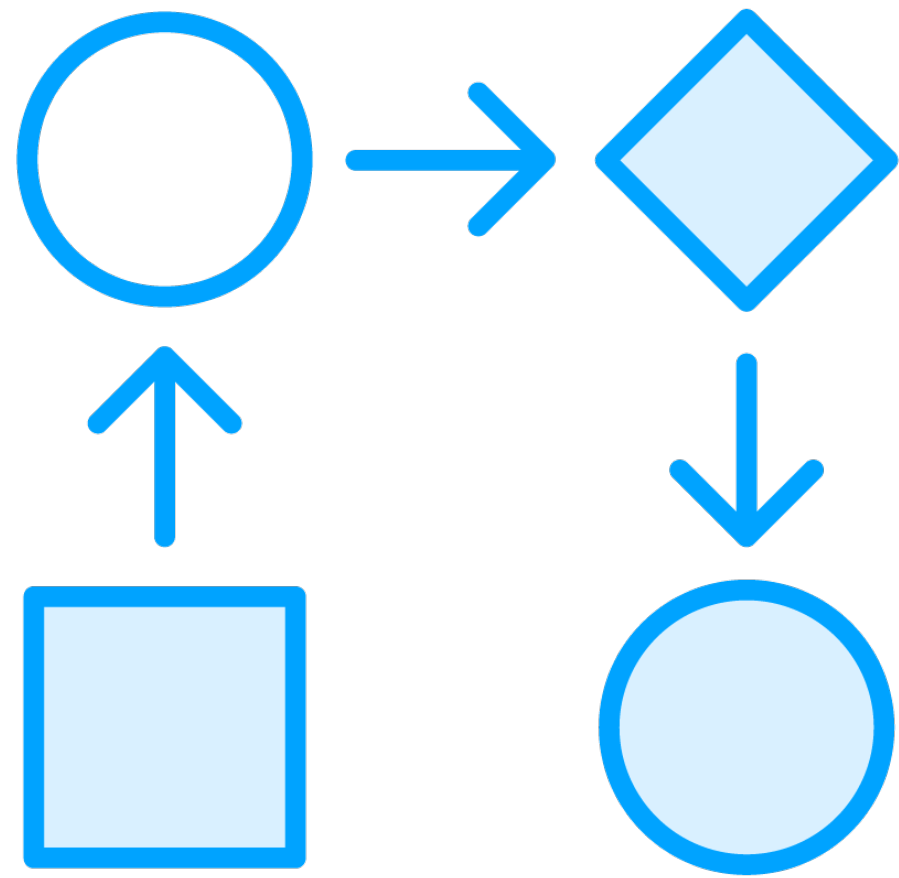
Errors and data accuracy

Not all bugs will be obvious

About correct code and correct data



Rails Debugging Tools



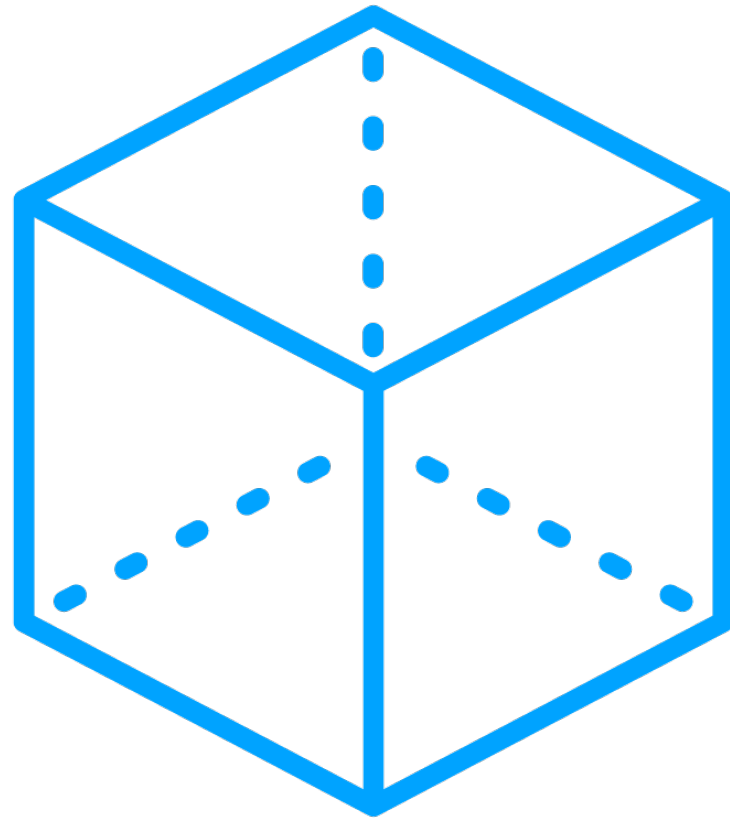
Debug method

Best as a tool for views

Real-time tool



Inspect



.inspect method

Human-readable object representation

Can be used on any ruby object(so, anything)





Deep Dive into Rails' Logging Mechanism



ActiveSupport Logger



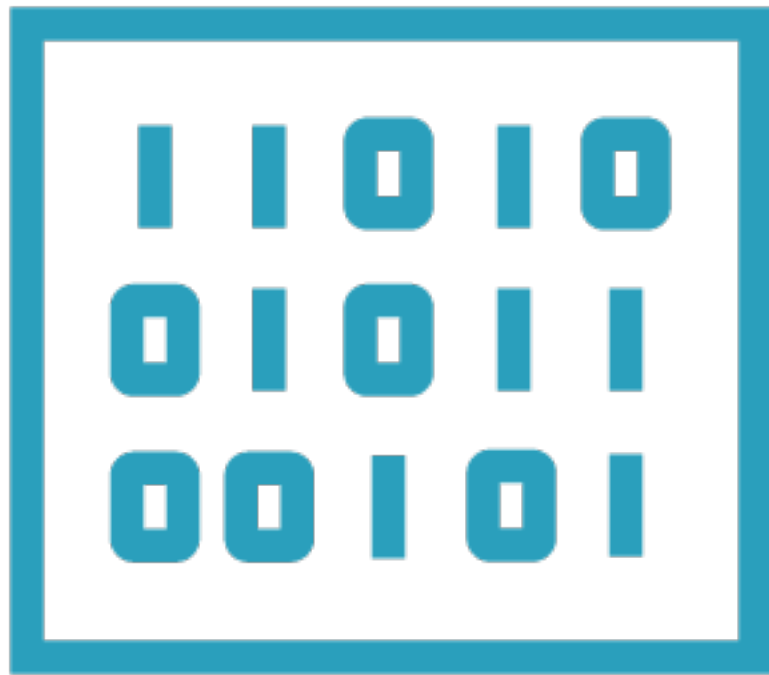
Another rails debugging tool

Extremely customizable

Can be used at any level of app – production, development, etc



Log Levels



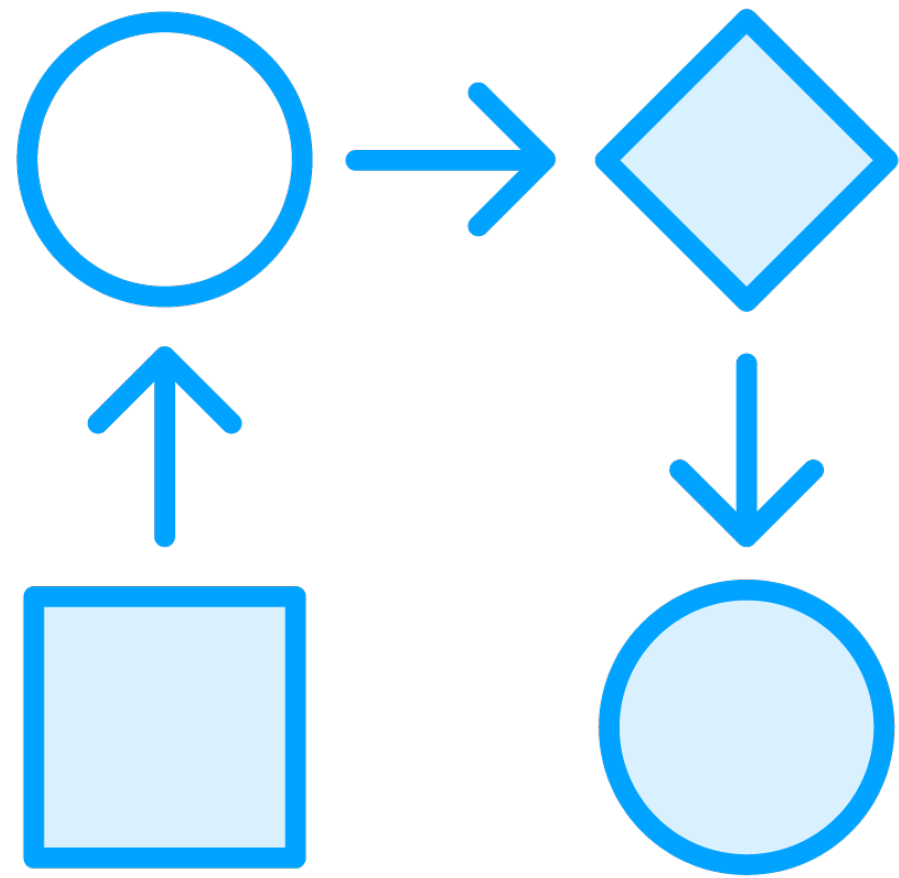
Different levels of logging for error severity

Allows for customizing logs and errors by severity

Can be used to catch errors, or log normal operations



Log Levels



logger.debug: For detailed diagnostic information useful during development and debugging

logger.info: Logs general information about the application's operation, like successful processes



Log Levels (cont.)



logger.warn: Captures warnings about potential issues that aren't immediate errors, but may require attention

logger.error: Used for logging errors during application execution, indicating problems that need fixing



Log Levels (cont.)



logger.fatal: Logs critical issues that could cause the application to terminate, indicating severe problems

logger.unknown: a catch-all for messages that don't fit into other levels, used for unclassified but necessary logs



| Logging and Query Logs



Overview/ Summary



Re-cap

- Debugging a view
- 'Debug' and 'Inspect'
- Log levels
- Query logs

Up next

- Advanced debugging

