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Ruby on Rails 5.0 Release Notes

Highlights in Rails 5.0:

- Action Cable
- Rails API
- Active Record Attributes API
- Test Runner
- Exclusive use of rails CLI over Rake
- Sprockets 3
- Turbolinks 5
- Ruby 2.2.2+ required

These release notes cover only the major changes. To learn about various bug fixes and changes, please refer to the changelogs or check out the list of commits in the main Rails repository on GitHub.

Upgrading to Rails 5.0

If you're upgrading an existing application, it's a great idea to have good test coverage before going in. You should also first upgrade to Rails 4.2 in case you haven't and make sure your application still runs as expected before attempting an update to Rails 5.0. A list of things to watch out for when upgrading is available in the Upgrading Ruby on Rails guide.

Major Features

Action Cable

Action Cable is a new framework in Rails 5. It seamlessly integrates WebSockets with the rest of your Rails application.

Action Cable allows for real-time features to be written in Ruby in the same style and form as the rest of your Rails application, while still being performant and scalable. It's a full-stack offering that provides both a client-side JavaScript framework and a server-side Ruby framework. You have access to your full domain model written with Active Record or your ORM of choice.

See the Action Cable Overview guide for more information.

API Applications

Rails can now be used to create slimmed down API only applications. This is useful for creating and serving APIs similar to Twitter or GitHub API, that can

be used to serve public-facing, as well as, for custom applications.

You can generate a new api Rails app using:

```
$ rails new my_api --api
```

This will do three main things:

- Configure your application to start with a more limited set of middleware than normal. Specifically, it will not include any middleware primarily useful for browser applications (like cookies support) by default.
- Make ApplicationController inherit from ActionController::API instead of ActionController::Base. As with middleware, this will leave out any Action Controller modules that provide functionalities primarily used by browser applications.
- Configure the generators to skip generating views, helpers, and assets when you generate a new resource.

The application provides a base for APIs, that can then be configured to pull in functionality as suitable for the application's needs.

See the Using Rails for API-only Applications guide for more information.

Active Record attributes API

Defines an attribute with a type on a model. It will override the type of existing attributes if needed. This allows control over how values are converted to and from SQL when assigned to a model. It also changes the behavior of values passed to ActiveRecord::Base.where, which let's use our domain objects across much of Active Record, without having to rely on implementation details or monkey patching.

Some things that you can achieve with this:

- The type detected by Active Record can be overridden.
- A default can also be provided.
- Attributes do not need to be backed by a database column.

```
# db/schema.rb
create_table :store_listings, force: true do |t|
    t.decimal :price_in_cents
    t.string :my_string, default: "original default"
end
# app/models/store_listing.rb
class StoreListing < ActiveRecord::Base
end
store_listing = StoreListing.new(price_in_cents: '10.1')
# before</pre>
```

```
store_listing.price_in_cents # => BigDecimal.new(10.1)
StoreListing.new.my_string # => "original default"

class StoreListing < ActiveRecord::Base
   attribute :price_in_cents, :integer # custom type
   attribute :my_string, :string, default: "new default" # default value
   attribute :my_default_proc, :datetime, default: -> { Time.now } # default value
   attribute :field_without_db_column, :integer, array: true
end

# after
store_listing.price_in_cents # => 10
StoreListing.new.my_string # => "new default"
StoreListing.new.my_default_proc # => 2015-05-30 11:04:48 -0600
model = StoreListing.new(field_without_db_column: ["1", "2", "3"])
model.attributes # => {field_without_db_column: [1, 2, 3]}
```

Creating Custom Types:

You can define your own custom types, as long as they respond to the methods defined on the value type. The method deserialize or cast will be called on your type object, with raw input from the database or from your controllers. This is useful, for example, when doing custom conversion, like Money data.

Querying:

When ActiveRecord::Base.where is called, it will use the type defined by the model class to convert the value to SQL, calling serialize on your type object.

This gives the objects ability to specify, how to convert values when performing SQL queries.

Dirty Tracking:

The type of an attribute is allowed to change how dirty tracking is performed.

See its documentation for a detailed write up.

Test Runner

A new test runner has been introduced to enhance the capabilities of running tests from Rails. To use this test runner simply type bin/rails test.

Test Runner is inspired by RSpec, minitest-reporters, maxitest and others. It includes some of these notable advancements:

- Run a single test using line number of test.
- Run multiple tests pinpointing to line number of tests.
- Improved failure messages, which also add ease of re-running failed tests.
- Fail fast using -f option, to stop tests immediately on occurrence of failure, instead of waiting for the suite to complete.

- Defer test output until the end of a full test run using the -d option.
- Complete exception backtrace output using -b option.
- Integration with minitest to allow options like -s for test seed data, -n for running specific test by name, -v for better verbose output and so forth.
- Colored test output.

Railties

Please refer to the Changelog for detailed changes.

Removals

- Removed debugger support, use byebug instead. debugger is not supported by Ruby 2.2. (commit)
- Removed deprecated test:all and test:all:db tasks. (commit)
- Removed deprecated Rails::Rack::LogTailer. (commit)
- Removed deprecated RAILS_CACHE constant. (commit)
- Removed deprecated serve_static_assets configuration. (commit)
- Removed the documentation tasks doc:app, doc:rails, and doc:guides.
 (commit)
- Removed Rack::ContentLength middleware from the default stack. (Commit)

Deprecations

- Deprecated config.static_cache_control in favor of config.public_file_server.headers. (Pull Request)
- Deprecated config.serve_static_files in favor of config.public_file_server.enabled. (Pull Request)
- Deprecated the tasks in the rails task namespace in favor of the app namespace. (e.g. rails:update and rails:template tasks are renamed to app:update and app:template.) (Pull Request)

- Added Rails test runner bin/rails test. (Pull Request)
- Newly generated applications and plugins get a README.md in Markdown.
 (commit, Pull Request)
- Added bin/rails restart task to restart your Rails app by touching tmp/restart.txt. (Pull Request)

- Added bin/rails initializers task to print out all defined initializers in the order they are invoked by Rails. (Pull Request)
- Added bin/rails dev:cache to enable or disable caching in development mode. (Pull Request)
- Added bin/update script to update the development environment automatically. (Pull Request)
- Proxy Rake tasks through bin/rails. (Pull Request, Pull Request)
- New applications are generated with the evented file system monitor enabled on Linux and macOS. The feature can be opted out by passing --skip-listen to the generator. (commit, commit)
- Generate applications with an option to log to STDOUT in production using the environment variable RAILS LOG TO STDOUT. (Pull Request)
- Enable HSTS with IncludeSubdomains header for new applications. (Pull Request)
- The application generator writes a new file config/spring.rb, which tells Spring to watch additional common files. (commit)
- Added --skip-action-mailer to skip Action Mailer while generating new app. (Pull Request)
- Removed tmp/sessions directory and the clear rake task associated with it. (Pull Request)
- Changed _form.html.erb generated by scaffold generator to use local variables. (Pull Request)
- Disabled autoloading of classes in production environment. (commit)

Action Pack

Please refer to the Changelog for detailed changes.

Removals

- Removed ActionDispatch::Request::Utils.deep munge. (commit)
- Removed ActionController::HideActions. (Pull Request)
- Removed respond_to and respond_with placeholder methods, this functionality has been extracted to the responders gem. (commit)
- Removed deprecated assertion files. (commit)
- Removed deprecated usage of string keys in URL helpers. (commit)
- Removed deprecated only_path option on *_path helpers. (commit)

- Removed deprecated NamedRouteCollection#helpers. (commit)
- Removed deprecated support to define routes with :to option that doesn't contain #. (commit)
- Removed deprecated ActionDispatch::Response#to_ary. (commit)
- Removed deprecated ActionDispatch::Request#deep_munge. (commit)
- Removed deprecated ActionDispatch::Http::Parameters#symbolized_path_parameters. (commit)
- Removed deprecated option use_route in controller tests. (commit)
- Removed assigns and assert_template. Both methods have been extracted into the rails-controller-testing gem. (Pull Request)

Deprecations

- Deprecated all *_filter callbacks in favor of *_action callbacks. (Pull Request)
- Deprecated *_via_redirect integration test methods. Use follow_redirect! manually after the request call for the same behavior. (Pull Request)
- Deprecated AbstractController#skip_action_callback in favor of individual skip_callback methods. (Pull Request)
- Deprecated :nothing option for render method. (Pull Request)
- Deprecated passing first parameter as Hash and default status code for head method. (Pull Request)
- Deprecated using strings or symbols for middleware class names. Use class names instead. (commit)
- Deprecated accessing mime types via constants (e.g. Mime::HTML). Use the subscript operator with a symbol instead (e.g. Mime[:html]). (Pull Request)
- Deprecated redirect_to :back in favor of redirect_back, which accepts a required fallback_location argument, thus eliminating the possibility of a RedirectBackError. (Pull Request)
- ActionDispatch::IntegrationTest and ActionController::TestCase deprecate positional arguments in favor of keyword arguments. (Pull Request)
- Deprecated :controller and :action path parameters. (Pull Request)
- Deprecated env method on controller instances. (commit)

• ActionDispatch::ParamsParser is deprecated and was removed from the middleware stack. To configure the parameter parsers use ActionDispatch::Request.parameter_parsers=. (commit, commit)

- Added ActionController::Renderer to render arbitrary templates outside controller actions. (Pull Request)
- Migrating to keyword arguments syntax in ActionController::TestCase and ActionDispatch::Integration HTTP request methods. (Pull Request)
- Added http_cache_forever to Action Controller, so we can cache a response that never gets expired. (Pull Request)
- Provide friendlier access to request variants. (Pull Request)
- For actions with no corresponding templates, render head :no_content instead of raising an error. (Pull Request)
- Added the ability to override default form builder for a controller. (Pull Request)
- Added support for API-only apps. ActionController::API is added as a replacement of ActionController::Base for this kind of applications. (Pull Request)
- Make ActionController::Parameters no longer inherits from HashWithIndifferentAccess. (Pull Request)
- Make it easier to opt in to config.force_ssl and config.ssl_options by making them less dangerous to try and easier to disable. (Pull Request)
- Added the ability of returning arbitrary headers to ActionDispatch::Static. (Pull Request)
- Changed the protect_from_forgery prepend default to false. (commit)
- ActionController::TestCase will be moved to its own gem in Rails 5.1. Use ActionDispatch::IntegrationTest instead. (commit)
- Rails generates weak ETags by default. (Pull Request)
- Controller actions without an explicit render call and with no corresponding templates will render head :no_content implicitly instead of raising an error. (Pull Request 1, 2)
- Added an option for per-form CSRF tokens. (Pull Request)
- Added request encoding and response parsing to integration tests. (Pull Request)

- Add ActionController#helpers to get access to the view context at the controller level. (Pull Request)
- Discarded flash messages get removed before storing into session. (Pull Request)
- Added support for passing collection of records to fresh_when and stale?.
 (Pull Request)
- ActionController::Live became an ActiveSupport::Concern. That means it can't be just included in other modules without extending them with ActiveSupport::Concern or ActionController::Live won't take effect in production. Some people may be using another module to include some special Warden/Devise authentication failure handling code as well since the middleware can't catch a :warden thrown by a spawned thread which is the case when using ActionController::Live. (More details in this issue)
- Introduce Response#strong_etag= and #weak_etag= and analogous options for fresh_when and stale?. (Pull Request)

Action View

Please refer to the Changelog for detailed changes.

Removals

- Removed deprecated AbstractController::Base::parent_prefixes. (commit)
- Removed ActionView::Helpers::RecordTagHelper, this functionality has been extracted to the record tag helper gem. (Pull Request)
- Removed :rescue_format option for translate helper since it's no longer supported by I18n. (Pull Request)

- Changed the default template handler from ERB to Raw. (commit)
- Collection rendering can cache and fetches multiple partials at once. (Pull Request, commit)
- Added wildcard matching to explicit dependencies. (Pull Request)
- Make disable_with the default behavior for submit tags. Disables the button on submit to prevent double submits. (Pull Request)
- Partial template name no longer has to be a valid Ruby identifier. (commit)
- The datetime_tag helper now generates an input tag with the type of datetime-local. (Pull Request)

• Allow blocks while rendering with the render partial: helper. (Pull Request)

Action Mailer

Please refer to the Changelog for detailed changes.

Removals

- Removed deprecated *_path helpers in email views. (commit)
- Removed deprecated deliver and deliver! methods. (commit)

Notable changes

- Template lookup now respects default locale and I18n fallbacks. (commit)
- Added _mailer suffix to mailers created via generator, following the same naming convention used in controllers and jobs. (Pull Request)
- Added assert_enqueued_emails and assert_no_enqueued_emails.
 (Pull Request)
- Added config.action_mailer.deliver_later_queue_name configuration to set the mailer queue name. (Pull Request)
- Added support for fragment caching in Action Mailer views. Added new config option config.action_mailer.perform_caching to determine whether your templates should perform caching or not. (Pull Request)

Active Record

Please refer to the Changelog for detailed changes.

Removals

- Removed deprecated behavior allowing nested arrays to be passed as query values. (Pull Request)
- Removed deprecated ActiveRecord::Tasks::DatabaseTasks#load_schema.
 This method was replaced by ActiveRecord::Tasks::DatabaseTasks#load_schema_for.
 (commit)
- Removed deprecated serialized_attributes. (commit)
- Removed deprecated automatic counter caches on has_many :through.
 (commit)
- Removed deprecated sanitize_sql_hash_for_conditions. (commit)
- Removed deprecated Reflection#source_macro. (commit)

- Removed deprecated symbolized_base_class and symbolized_sti_name. (commit)
- Removed deprecated ActiveRecord::Base.disable_implicit_join_references=. (commit)
- Removed deprecated access to connection specification using a string accessor. (commit)
- Removed deprecated support to preload instance-dependent associations. (commit)
- Removed deprecated support for PostgreSQL ranges with exclusive lower bounds. (commit)
- Removed deprecation when modifying a relation with cached Arel. This raises an ImmutableRelation error instead. (commit)
- Removed ActiveRecord::Serialization::XmlSerializer from core. This feature has been extracted into the activemodel-serializers-xml gem. (Pull Request)
- Removed support for the legacy mysql database adapter from core. Most users should be able to use mysql2. It will be converted to a separate gem when we find someone to maintain it. (Pull Request 1, Pull Request 2)
- Removed support for the protected_attributes gem. (commit)
- Removed support for PostgreSQL versions below 9.1. (Pull Request)
- Removed support for activerecord-deprecated finders gem. (commit)
- Removed ActiveRecord::ConnectionAdapters::Column::TRUE_VALUES constant. (commit)

Deprecations

- Deprecated passing a class as a value in a query. Users should pass strings instead. (Pull Request)
- Deprecated returning false as a way to halt Active Record callback chains. The recommended way is to throw(:abort). (Pull Request)
- Deprecated ActiveRecord::Base.errors_in_transactional_callbacks=. (commit)
- Deprecated Relation#uniq use Relation#distinct instead. (commit)
- Deprecated the PostgreSQL :point type in favor of a new one which will return Point objects instead of an Array (Pull Request)
- Deprecated force association reload by passing a truthy argument to association method. (Pull Request)

- Deprecated the keys for association restrict_dependent_destroy errors in favor of new key names. (Pull Request)
- Synchronize behavior of #tables. (Pull Request)
- Deprecated SchemaCache#tables, SchemaCache#table_exists? and SchemaCache#clear_table_cache! in favor of their new data source counterparts. (Pull Request)
- Deprecated connection.tables on the SQLite3 and MySQL adapters. (Pull Request)
- Deprecated passing arguments to #tables the #tables method of some adapters (mysql2, sqlite3) would return both tables and views while others (postgresql) just return tables. To make their behavior consistent, #tables will return only tables in the future. (Pull Request)
- Deprecated table_exists? The #table_exists? method would check both tables and views. To make their behavior consistent with #tables, #table_exists? will check only tables in the future. (Pull Request)
- Deprecate sending the offset argument to find_nth. Please use the offset method on relation instead. (Pull Request)
- Deprecated {insert|update|delete}_sql in DatabaseStatements. Use the {insert|update|delete} public methods instead. (Pull Request)
- Deprecated use_transactional_fixtures in favor of use_transactional_tests for more clarity. (Pull Request)
- Deprecated passing a column to ActiveRecord::Connection#quote. (commit)
- Added an option end to find_in_batches that complements the start parameter to specify where to stop batch processing. (Pull Request)

- Added a foreign_key option to references while creating the table. (commit)
- New attributes API. (commit)
- Added :_prefix/:_suffix option to enum definition. (Pull Request, Pull Request)
- Added #cache_key to ActiveRecord::Relation. (Pull Request)
- Changed the default null value for timestamps to false. (commit)
- Added ActiveRecord::SecureToken in order to encapsulate generation of unique tokens for attributes in a model using SecureRandom. (Pull Request)

- Added :if_exists option for drop_table. (Pull Request)
- Added ActiveRecord::Base#accessed_fields, which can be used to quickly discover which fields were read from a model when you are looking to only select the data you need from the database. (commit)
- Added the #or method on ActiveRecord::Relation, allowing use of the OR operator to combine WHERE or HAVING clauses. (commit)
- Added ActiveRecord::Base.suppress to prevent the receiver from being saved during the given block. (Pull Request)
- belongs_to will now trigger a validation error by default if the association is not present. You can turn this off on a per-association basis with optional: true. Also deprecate required option in favor of optional for belongs_to. (Pull Request)
- Added config.active_record.dump_schemas to configure the behavior of db:structure:dump. (Pull Request)
- Added config.active_record.warn_on_records_fetched_greater_than option. (Pull Request)
- Added a native JSON data type support in MySQL. (Pull Request)
- Added support for dropping indexes concurrently in PostgreSQL. (Pull Request)
- Added #views and #view_exists? methods on connection adapters. (Pull Request)
- Added ActiveRecord::Base.ignored_columns to make some columns invisible from Active Record. (Pull Request)
- Added connection.data_sources and connection.data_source_exists?. These methods determine what relations can be used to back Active Record models (usually tables and views). (Pull Request)
- Allow fixtures files to set the model class in the YAML file itself. (Pull Request)
- Added ability to default to uuid as primary key when generating database migrations. (Pull Request)
- Added ActiveRecord::Relation#left_joins and ActiveRecord::Relation#left_outer_joins. (Pull Request)
- Added after_{create,update,delete}_commit callbacks. (Pull Request)
- Version the API presented to migration classes, so we can change parameter defaults without breaking existing migrations, or forcing them to be rewritten through a deprecation cycle. (Pull Request)

- ApplicationRecord is a new superclass for all app models, analogous to app controllers subclassing ApplicationController instead of ActionController::Base. This gives apps a single spot to configure app-wide model behavior. (Pull Request)
- Added ActiveRecord #second_to_last and #third_to_last methods. (Pull Request)
- Added ability to annotate database objects (tables, columns, indexes) with comments stored in database metadata for PostgreSQL & MySQL. (Pull Request)
- Added prepared statements support to mysql2 adapter, for mysql2 0.4.4+,
 Previously this was only supported on the deprecated mysql legacy adapter.
 To enable, set prepared_statements: true in config/database.yml.
 (Pull Request)
- Added ability to call ActionRecord::Relation#update on relation objects which will run validations on callbacks on all objects in the relation. (Pull Request)
- Added :touch option to the save method so that records can be saved without updating timestamps. (Pull Request)
- Added expression indexes and operator classes support for PostgreSQL. (commit)
- Added :index_errors option to add indexes to errors of nested attributes.
 (Pull Request)
- Added support for bidirectional destroy dependencies. (Pull Request)
- Added support for after_commit callbacks in transactional tests. (Pull Request)
- Added foreign_key_exists? method to see if a foreign key exists on a table or not. (Pull Request)
- Added :time option to touch method to touch records with different time than the current time. (Pull Request)
- Change transaction callbacks to not swallow errors. Before this change any errors raised inside a transaction callback were getting rescued and printed in the logs, unless you used the (newly deprecated) raise_in_transactional_callbacks = true option.

Now these errors are not rescued anymore and just bubble up, matching the behavior of other callbacks. (commit)

Active Model

Please refer to the Changelog for detailed changes.

Removals

- Removed deprecated ActiveModel::Dirty#reset_#{attribute} and ActiveModel::Dirty#reset_changes. (Pull Request)
- Removed XML serialization. This feature has been extracted into the active model-serializers-xml gem. (Pull Request)
- Removed ActionController::ModelNaming module. (Pull Request)

Deprecations

- Deprecated returning false as a way to halt Active Model and ActiveModel::Validations callback chains. The recommended way is to throw(:abort). (Pull Request)
- Deprecated ActiveModel::Errors#get, ActiveModel::Errors#set and ActiveModel::Errors#[] = methods that have inconsistent behavior. (Pull Request)
- Deprecated the :tokenizer option for validates_length_of, in favor of plain Ruby. (Pull Request)
- Deprecated ActiveModel::Errors#add_on_empty and ActiveModel::Errors#add_on_blank with no replacement. (Pull Request)

Notable changes

- Added ActiveModel::Errors#details to determine what validator has failed. (Pull Request)
- Extracted ActiveRecord::AttributeAssignment to ActiveModel::AttributeAssignment allowing to use it for any object as an includable module. (Pull Request)
- Added ActiveModel::Dirty#[attr_name]_previously_changed? and ActiveModel::Dirty#[attr_name]_previous_change to improve access to recorded changes after the model has been saved. (Pull Request)
- Validate multiple contexts on valid? and invalid? at once. (Pull Request)
- Change validates_acceptance_of to accept true as default value apart from 1. (Pull Request)

Active Job

Please refer to the Changelog for detailed changes.

Notable changes

- ActiveJob::Base.deserialize delegates to the job class. This allows jobs to attach arbitrary metadata when they get serialized and read it back when they get performed. (Pull Request)
- Add ability to configure the queue adapter on a per job basis without affecting each other. (Pull Request)
- A generated job now inherits from app/jobs/application_job.rb by default. (Pull Request)
- Allow DelayedJob, Sidekiq, qu, que, and queue_classic to report the job id back to ActiveJob::Base as provider_job_id. (Pull Request, Pull Request, commit)
- Implement a simple AsyncJob processor and associated AsyncAdapter that queue jobs to a concurrent-ruby thread pool. (Pull Request)
- Change the default adapter from inline to async. It's a better default as tests will then not mistakenly come to rely on behavior happening synchronously. (commit)

Active Support

Please refer to the Changelog for detailed changes.

Removals

- Removed deprecated ActiveSupport::JSON::Encoding::CircularReferenceError. (commit)
- Removed deprecated methods ActiveSupport::JSON::Encoding.encode_big_decimal_as_string= and ActiveSupport::JSON::Encoding.encode_big_decimal_as_string. (commit)
- Removed deprecated ActiveSupport::SafeBuffer#prepend. (commit)
- Removed deprecated methods from Kernel. silence_stderr, silence_stream, capture and quietly. (commit)
- Removed deprecated active_support/core_ext/big_decimal/yaml_conversions file. (commit)
- Removed deprecated methods ActiveSupport::Cache::Store.instrument and ActiveSupport::Cache::Store.instrument=. (commit)
- Removed deprecated Class#superclass_delegating_accessor. Use Class#class_attribute instead. (Pull Request)
- Removed deprecated ThreadSafe::Cache. Use Concurrent::Map instead. (Pull Request)

• Removed Object#itself as it is implemented in Ruby 2.2. (Pull Request)

Deprecations

- Deprecated MissingSourceFile in favor of LoadError. (commit)
- Deprecated alias_method_chain in favour of Module#prepend introduced in Ruby 2.0. (Pull Request)
- Deprecated ActiveSupport::Concurrency::Latch in favor of Concurrent::CountDownLatch from concurrent-ruby. (Pull Request)
- Deprecated :prefix option of number_to_human_size with no replacement. (Pull Request)
- Deprecated Module#qualified_const_ in favour of the builtin Module#const_ methods. (Pull Request)
- Deprecated passing string to define callback. (Pull Request)
- Deprecated ActiveSupport::Cache::Store#namespaced_key, ActiveSupport::Cache::MemCachedSto and ActiveSupport::Cache::FileStore#key_file_path. Use normalize_key instead. (Pull Request, commit)
- Deprecated ActiveSupport::Cache::LocaleCache#set_cache_value in favor of write_cache_value. (Pull Request)
- Deprecated passing arguments to assert_nothing_raised. (Pull Request)
- Deprecated Module.local_constants in favor of Module.constants(false). (Pull Request)

- Added #verified and #valid_message? methods to ActiveSupport::MessageVerifier. (Pull Request)
- Changed the way in which callback chains can be halted. The preferred method to halt a callback chain from now on is to explicitly throw(:abort). (Pull Request)
- New config option config.active_support.halt_callback_chains_on_return_false to specify whether ActiveRecord, ActiveModel, and ActiveModel::Validations callback chains can be halted by returning false in a 'before' callback. (Pull Request)
- Changed the default test order from :sorted to :random. (commit)
- Added #on_weekend?, #on_weekday?, #next_weekday, #prev_weekday methods to Date, Time, and DateTime. (Pull Request, Pull Request)

- Added same_time option to #next_week and #prev_week for Date, Time, and DateTime. (Pull Request)
- Added #prev_day and #next_day counterparts to #yesterday and #tomorrow for Date, Time, and DateTime. (Pull Request)
- Added SecureRandom.base58 for generation of random base58 strings. (commit)
- Added file_fixture to ActiveSupport::TestCase. It provides a simple mechanism to access sample files in your test cases. (Pull Request)
- Added #without on Enumerable and Array to return a copy of an enumerable without the specified elements. (Pull Request)
- Added ActiveSupport::ArrayInquirer and Array#inquiry. (Pull Request)
- Added ActiveSupport::TimeZone#strptime to allow parsing times as if from a given timezone. (commit)
- Added Integer#positive? and Integer#negative? query methods in the vein of Integer#zero?. (commit)
- Added a bang version to ActiveSupport::OrderedOptions get methods which will raise an KeyError if the value is .blank?. (Pull Request)
- Added Time.days_in_year to return the number of days in the given year, or the current year if no argument is provided. (commit)
- Added an evented file watcher to asynchronously detect changes in the application source code, routes, locales, etc. (Pull Request)
- Added thread_m/cattr_accessor/reader/writer suite of methods for declaring class and module variables that live per-thread. (Pull Request)
- Added Array#second_to_last and Array#third_to_last methods. (Pull Request)
- Publish ActiveSupport::Executor and ActiveSupport::Reloader APIs to allow components and libraries to manage, and participate in, the execution of application code, and the application reloading process. (Pull Request)
- ActiveSupport::Duration now supports ISO8601 formatting and parsing. (Pull Request)
- ActiveSupport:: JSON.decode now supports parsing ISO8601 local times when parse_json_times is enabled. (Pull Request)
- ActiveSupport::JSON.decode now return Date objects for date strings. (Pull Request)

• Added ability to TaggedLogging to allow loggers to be instantiated multiple times so that they don't share tags with each other. (Pull Request)

Credits

See the full list of contributors to Rails for the many people who spent many hours making Rails, the stable and robust framework it is. Kudos to all of them.