Ruby on Rails 7.0 Release Notes

# ✓ Ruby 2.7.0+ required, Ruby 3.0+ preferred

#### 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 6.1 in case you haven't and make sure your application still

1 Upgrading to Rails 7.0

runs as expected before attempting an update to Rails 7.0. A list of things to watch out for when upgrading is available in the <u>Upgrading Ruby on Rails</u> guide. 2 Major Features

### 3 Railties

Highlights in Rails 7.0:

3.1 Removals Remove deprecated config in dbconsole.

Please refer to the **Changelog** for detailed changes.

3.2 Deprecations

### 3.3 Notable changes

Sprockets is now an optional dependency

gem "sprockets-rails"

# needs to use Sprockets, make sure to add sprockets-rails to your Gemfile.

4 Action Cable

The gem rails doesn't depend on sprockets-rails anymore. If your application still

### Please refer to the **Changelog** for detailed changes. 4.1 Removals

Remove deprecated Rails.config.action\_dispatch.hosts\_response\_app.

button\_to("Do a POST", [:do\_post\_action, Workshop.find(1)])

#=> <input type="hidden" name="\_method" value="post"</pre>

### **4.2 Deprecations**

4.3 Notable changes

**5 Action Pack** 

Please refer to the **Changelog** for detailed changes.

## 5.1 Removals

Remove deprecated ActionDispatch::Response.return\_only\_media\_type\_on\_content\_type.

## Remove deprecated ActionDispatch::SystemTestCase#host!

**5.2 Deprecations** 

**6 Action View** 

Remove deprecated

6.1 Removals

Remove deprecated support to passing a path to fixture\_file\_upload relative to fixture\_path.

## **5.3 Notable changes**

Rails.config.action\_view.raise\_on\_missing\_translations. **6.2 Deprecations** 

Please refer to the **Changelog** for detailed changes.

## **6.3 Notable changes**

button\_to infers HTTP verb [method] from an Active Record object if object is used to build URL

autocomplete="off" />

# Before

#### # After #=> <input type="hidden" name="\_method" value="patch"</pre> autocomplete="off" />

7 Action Mailer

7.1 Removals

ActionMailer::MailDeliveryJob. 7.2 Deprecations

Please refer to the **Changelog** for detailed changes.

Remove deprecated ActionMailer::DeliveryJob and

ActionMailer::Parameterized::DeliveryJob in favor of

## Please refer to the **Changelog** for detailed changes.

7.3 Notable changes

**8 Active Record** 

8.1 Removals Remove deprecated database kwarg from connected\_to.

Remove deprecated ActiveRecord::Base.allow\_unsafe\_raw\_sql.

Remove deprecated option :spec\_name in the configs\_for method.

Remove deprecation warning when :interval column is used in PostgreSQL database.

Now, interval columns will return ActiveSupport::Duration objects instead of strings.

### Remove deprecated support to YAML load ActiveRecord::Base instance in the Rails

4.2 and 4.1 formats.

specification name.

Remove deprecated rake tasks:

db:schema:load\_if\_ruby

db:structure:dump:#{name}

db:structure:load:#{name}

db:test:load\_structure:#{name}

db:test:load\_structure

To keep the old behavior, you can add this line to your model:

## attribute :column, :string

Remove deprecated support to type cast to database values ActiveRecord::Base objects.

Remove deprecated support to pass a column to type\_cast.

Remove deprecated DatabaseConfig#config method.

Remove deprecated support to quote ActiveRecord::Base objects.

Remove deprecated support to resolve connection using "primary" as connection

- db:structure:dump db:structure:load db:structure:load\_if\_sql
- Remove deprecated support to Model.reorder(nil).first to search using nondeterministic order.

Tasks::DatabaseTasks.schema\_up\_to\_date?.

Remove deprecated Tasks::DatabaseTasks.spec.

Remove deprecated

8.3 Notable changes

condition)

bob)) # => [bob]

bob)) # => [bob]

bob)) # => [bob]

Please refer to the **Changelog** for detailed changes.

9 Active Storage

9.1 Removals

9.2 Deprecations

committed.

Remove deprecated environment and name arguments from

Remove deprecated Tasks::DatabaseTasks.dump\_filename.

Remove deprecated Tasks::DatabaseTasks.schema\_file.

Remove deprecated ActiveRecord::Connection#allowed\_index\_name\_length. Remove deprecated ActiveRecord::Connection#in\_clause\_length.

Remove deprecated Tasks::DatabaseTasks.current\_config.

Remove deprecated ActiveRecord::Base.connection\_config. Remove deprecated ActiveRecord::Base.arel\_attribute.

Remove deprecated ActiveRecord::Base.configurations.to\_h.

Remove deprecated ActiveRecord::Result#map! and

ActiveRecord::Result#collect!.

ActiveRecord::DatabaseConfigurations::DatabaseConfig#spec\_name.

Remove deprecated ActiveRecord::Base.configurations.default\_hash.

Remove deprecated ActiveRecord::Base#remove\_connection. **8.2 Deprecations** Deprecated Tasks::DatabaseTasks.schema\_file\_type.

Before this change, when a transaction block returned early, the transaction would be

The problem is that timeouts triggered inside the transaction block was also making the

# Rails 6.1 (IN clause is replaced by merger side equality

Author.where(id: [david.id, mary.id]).merge(Author.where(id:

# Rails 6.1 (both conflict conditions exists, deprecated)

# Rails 7.0 (same behavior with IN clause, mergee side

Author.where(id: [david.id, mary.id]).merge(Author.where(id:

Author.where(id: david.id..mary.id).merge(Author.where(id:

incomplete transaction to be committed, so in order to avoid this mistake, the transaction block is rolled back. Merging conditions on the same column no longer maintain both conditions, and will be consistently replaced by the latter condition.

Rollback transactions when the block returns earlier than expected.

Author.where(id: david.id..mary.id).merge(Author.where(id: bob)) # => [] # Rails 6.1 with rewhere to migrate to Rails 7.0's behavior Author.where(id: david.id..mary.id).merge(Author.where(id: bob), rewhere: true) # => [bob]

condition is consistently replaced)

9.3 Notable changes **10 Active Model** Please refer to the **Changelog** for detailed changes. 10.1 Removals Remove deprecated enumeration of ActiveModel::Errors instances as a Hash. Remove deprecated ActiveModel::Errors#to\_h. Remove deprecated ActiveModel::Errors#slice!. Remove deprecated ActiveModel::Errors#values. Remove deprecated ActiveModel::Errors#keys. Remove deprecated ActiveModel::Errors#to\_xml.

Remove deprecated support concat errors to ActiveModel::Errors#messages.

Remove deprecated support to use [] = in ActiveModel::Errors#messages.

Remove deprecated support to clear errors from ActiveModel::Errors#messages.

## 11 Active Support Please refer to the **Changelog** for detailed changes.

Remove deprecated URI.parser.

11.1 Removals

11.2 Deprecations

## callbacks when a previous callback was halted with throw :abort. Remove deprecated : return\_false\_on\_aborted\_enqueue option.

13.1 Removals

12.3 Notable changes

**13 Action Text** 

11.3 Notable changes

12 Active Job

14.3 Notable changes

15.1 Notable changes

**16 Credits** 

on the official Ruby on Rails Forum.

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

**Feedback** 

You're encouraged to help improve the quality of this guide. documentation contributions section.

Please contribute if you see any typos or factual errors. To get started, you can read our You may also find incomplete content or stuff that is not up to date. Please do add any missing

Remove support to Marshal load Rails 5.x ActiveModel::AttributeSet format. 10.2 Deprecations 10.3 Notable changes

Remove support to Marshal and YAML load Rails 5.x error format.

Remove deprecated support to delete errors from

ActiveModel::Errors#messages.

a date time range is deprecated. Remove deprecated ActiveSupport::Multibyte::Unicode.default\_normalization\_form.

Please refer to the **Changelog** for detailed changes. 12.1 Removals Removed deprecated behavior that was not halting after\_enqueue/after\_perform

13.2 Deprecations 13.3 Notable changes

14.2 Deprecations

14.1 Removals Removed deprecated

or not on the main branch. Check the Ruby on Rails Guides Guidelines for style and conventions. If for whatever reason you spot something to fix but cannot patch it yourself, please open an issue.

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Remove deprecated support to use Range#include? to check the inclusion of a value in

Rails.application.credentials.action\_mailbox.mailgun\_api\_key. Removed deprecated environment variable MAILGUN INGRESS API KEY.

Deprecate passing a format to #to\_s in favor of #to\_fs in Array, Range, Date, DateTime, Time, BigDecimal, Float and, Integer. This deprecation is to allow Rails application to take advantage of a Ruby 3.1 optimization that makes interpolation of some types of objects faster. New applications will not have the #to\_s method overridden on those classes, existing applications can use config.active\_support.disable\_to\_s\_conversion.

Remove deprecated config.active\_support.use\_sha1\_digests.

12.2 Deprecations Deprecated Rails.config.active\_job.skip\_after\_callbacks\_if\_terminated.

14 Action Mailbox Please refer to the **Changelog** for detailed changes.

Please refer to the **Changelog** for detailed changes.

15 Ruby on Rails Guides Please refer to the **Changelog** for detailed changes.

documentation for main. Make sure to check Edge Guides first to verify if the issues are already fixed And last but not least, any kind of discussion regarding Ruby on Rails documentation is very welcome

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