

Rails Callback Cheat Sheet



Glossary

| | | |
|--|---|---|
| after_commit Called after a new or existing object is committed to the database. An <code>:on</code> argument can be used to specify which action (create, update, or destroy) this callback should apply to. | around_create Called before a new object is saved until yield is invoked within the method triggered by the callback. Calling yield causes the object to be saved and then any proceeding code in the method will execute. | before_create Called before a new object is saved. |
| after_create Called after a new object is saved. | around_destroy Called before an existing object is destroyed until yield is invoked within the method triggered by the callback. Calling yield causes the object to be destroyed and then any proceeding code in the method will execute. | before_destroy Called before an existing object is destroyed. |
| after_destroy Called after an existing object is destroyed. | | before_save Called before a new or existing object is saved. |
| after_rollback Called after a create, update, or destroy action is rolled back on a new or existing object. | around_save Called before a new or exting object is saved until yield is invoked within the method triggered by the callback. Calling yield causes the object to be saved and then any proceeding code in the method will execute. | before_update Called before an existing object is saved. |
| after_save Called after a new or existing object is saved. | around_update Called before an existing object is saved until yield is invoked within the method triggered by the callback. Calling yield causes the object to be saved and then any proceeding code in the method will execute. | before_validation Called before a new or existing object's validations occur. |
| after_update Called after an existing object is saved. | | |
| after_validation Called after a new or existing object's validations occur. | | |

Order of Operations

| Creating an Object | Updating an Object | Destroying an Object |
|--|--|--|
| before_validation after_validation before_save around_save before_create around_create after_create after_save after_commit/after_rollback | before_validation after_validation before_save around_save before_update around_update after_update after_save after_commit/after_rollback | before_destroy around_destroy after_destroy after_commit/after_rollback |

Code Example

```
# == Schema Information
#
# Table name: cats
#
#  id      :integer(8)      not null, primary key
#  name    :string(255)     not null
#
class Cat < ApplicationRecord
  before_validation :give_default_name
  around_create :track_create

  validates :name, presence: true

  private

  def give_default_name
    self.name = 'Rosie' if name.blank?
  end

  def track_create
    analytics_tracker = ExampleAnalyticsClass.new
    analytics_tracker.send_update("Cat about to be created")
    yield
    analytics_tracker.send_update("Successful creation of new Cat!")
  end
end
```