

- Allow only String and Symbol keys in ActionController::Parameters. Raise ActionController::InvalidParameterKey when initializing Parameters with keys that aren't strings or symbols.

Seva Stefkin

- Add the ability to use custom logic for storing and retrieving CSRF tokens. By default, the token will be stored in the session. Custom classes can be defined to specify arbitrary behaviour, but the ability to store them in encrypted cookies is built in.

Andrew Kowpak

- Make ActionController::Parameters#values cast nested hashes into parameters.

Gannon McGibbon

- Introduce html: and screenshot: kwargs for system test screenshot helper

Use these as an alternative to the already-available environment variables.

For example, this will display a screenshot in iTerm, save the HTML, and output its path.

```
take_screenshot(html: true, screenshot: "inline")
```

Alex Ghiculescu

- Allow ActionController::Parameters#to_h to receive a block.

Bob Farrell

- Allow relative redirects when raise_on_open_redirects is enabled

Tom Hughes

- Allow Content Security Policy DSL to generate for API responses.

Tim Wade

- Fix authenticate_with_http_basic to allow for missing password.

Before Rails 7.0 it was possible to handle basic authentication with only a username.

```
authenticate_with_http_basic do |token, _|
  ApiClient.authenticate(token)
end
```

This ability is restored.

Jean Boussier

- Fix `content_security_policy` returning invalid directives.

Directives such as `self`, `unsafe-eval` and few others were not single quoted when the directive was the result of calling a lambda returning an array.

```
content_security_policy do |policy|
  policy.frame_ancestors lambda { [[:self, "https://example.com"]] }
end
```

With this fix the policy generated from above will now be valid.

Edouard Chin

- Fix `skip_forgery_protection` to run without raising an error if forgery protection has not been enabled / `verify_authenticity_token` is not a defined callback.

This fix prevents the Rails 7.0 Welcome Page (/) from raising an `ArgumentError` if `default_protect_from_forgery` is false.

Brad Trick

- Make `redirect_to` return an empty response body.

Application controllers that wish to add a response body after calling `redirect_to` can continue to do so.

Jon Dufresne

- Use non-capturing group for subdomain matching in `ActionDispatch::HostAuthorization`

Since we do nothing with the captured subdomain group, we can use a non-capturing group instead.

Sam Bostock

- Fix `ActionController::Live` to copy the `IsolatedExecutionState` in the ephemeral thread.

Since its inception `ActionController::Live` has been copying thread local variables to keep things such as `CurrentAttributes` set from middlewares working in the controller action.

With the introduction of `IsolatedExecutionState` in 7.0, some of that global state was lost in `ActionController::Live` controllers.

Jean Boussier

- Fix setting `trailing_slash: true` in route definition.

```
get '/test' => "test#index", as: :test, trailing_slash: true

test_path() # => "/test/"
```

Jean Boussier

- Make `Session#merge!` stringify keys.

Previously `Session#update` would, but `merge!` wouldn't.

Drew Bragg

Please check 7-0-stable for previous changes.