Redmine - Feature #1237

Add support for two-factor authentication

2008-05-14 20:28 - Sam McCoy

Status:	Closed		**Start date:**	2008-05-14
Priority:	Normal		**Due date:**	
Assignee:	Go MAEDA		**% Done:**	0%
Category:	Accounts / authentication		**Estimated time:**	0.00 hour
Target version:	4.2.0			
Resolution:	Fixed			

Description

Please add support for a one time password service, such as Yubikey, and add the ability to authenticate against a two-factor authentication system (as in RSA SecurID).

Related issues:

Related to Redmine - Feature #699: OpenID login	**Closed**	**2008-02-20**
Related to Redmine - Defect #33925: ArgumentError in lib/redmine/twofa/base.r...	**Closed**	
Related to Redmine - Patch #33929: Encrypt / decrypt TOTP secret keys with `r...	**Closed**	
Related to Redmine - Defect #33932: Can't view "My account" page when 2fa is ...	**Closed**	
Related to Redmine - Defect #34233: otpauth uri should include a login id, no...	**Closed**	
Related to Redmine - Defect #34234: Use Setting.host_name instead of Setting....	**Closed**	
Related to Redmine - Feature #34241: Include twofa_scheme (two-factor scheme...	**Closed**	
Related to Redmine - Feature #34495: Don't show "Two-factor authentication" o...	**Closed**	
Related to Redmine - Defect #34618: Cannot sign in when both enabling two-fac...	**Closed**	
Related to Redmine - Feature #34070: Allow setting a grace period when forcin...	**New**	
Related to Redmine - Patch #35372: Better presentation for 2FA recovery codes	**Closed**	
Related to Redmine - Feature #35001: Disable API authentication with username...	**Closed**	
Related to Redmine - Feature #35086: Please consider changing the way how 2FA...	**Closed**	
Related to Redmine - Feature #35439: Option to require 2FA only for users wit...	**Closed**	
Related to Redmine - Defect #35417: User sessions not reset after 2FA activation	**Closed**	
Related to Redmine - Feature #35934: Show 2FA status in users list from admin...	**Closed**	
Blocks Redmine - Feature #31920: Require 2FA only for certain user groups	**Closed**	

Associated revisions

Revision 19988 - 2020-08-29 08:21 - Go MAEDA

Adds two factor authentication support (#1237).

Patch by Felix Schäfer.

Revision 19989 - 2020-08-29 08:37 - Go MAEDA

Adds a setting to disable/enable/require 2fa auth (#1237).

Patch by Felix Schäfer.

Revision 19990 - 2020-08-29 08:51 - Go MAEDA

Backup codes for 2fa auth (#1237).

Patch by Felix Schäfer.

Revision 19991 - 2020-08-29 09:07 - Go MAEDA

Integration test for 2fa auth (#1237).

Patch by Jens Krämer.

Revision 19992 - 2020-08-29 09:25 - Go MAEDA

RuboCop: Disable Rails/FilePath and Style/ClassVars in lib/redmine/twofa.rb (#1237).

Revision 19993 - 2020-08-29 09:30 - Go MAEDA

Update locales (#1237).

Revision 19995 - 2020-08-31 10:29 - Go MAEDA

Fix that Redmine::Twofa::Base raises ArgumentError in development mode (#1237, #33925).

Revision 19997 - 2020-08-31 23:45 - Go MAEDA

Fix an error "uninitialized constant Redmine::Twofa::Base" when accessing My account in production mode (#1237, #33932).

Revision 20005 - 2020-09-05 08:24 - Go MAEDA

Rake tasks db:encrypt and db:decrypt now supports TOTP secret keys (#1237, #33929).

Revision 20006 - 2020-09-05 10:34 - Go MAEDA

Remove mistakenly added database_cipher_key from config/configuration.yml.example (#1237, #33929).

Revision 20307 - 2020-11-09 03:41 - Go MAEDA

otpauth uri should include a login id, not an email address (#1237, #34233).

Revision 20308 - 2020-11-09 07:37 - Go MAEDA

Use Setting.host_name instead of Setting.app_title as TOTP issuer to avoid name collision with other instances or apps (#1237, #34234).

Revision 20691 - 2020-12-25 09:30 - Go MAEDA

Don't show "Two-factor authentication" on new user form (#1237, #34495).

Revision 20734 - 2021-02-02 08:15 - Go MAEDA

Fix redirect loop when both enabling two-factor authentication and changing password are required (#1237, #34618).

Patch by Go MAEDA.

History

#1 - 2008-05-15 10:50 - Thomas Lecavelier

Good idea. Since OpenID ([#699](#699)) should be implemented too, it could be an idea to build a plugin system for authentication, to help introduction of a new authentification systems.

#2 - 2011-09-13 10:53 - Etienne Massip

- Category set to Accounts / authentication

#3 - 2014-10-10 22:20 - Nathanael Hansen

+1 for dual-factor authentication support

Thanks!

#4 - 2015-03-18 12:25 - Blagoy Chepelov

+1 for two factory auth, YubiKey for instance it is open source and well documented

#5 - 2015-08-27 14:43 - Ouss Orange

+1 for Two Factory Authentication support

#6 - 2016-01-12 12:48 - eric c

+1 for Two Factory Authentication, maybe using the one-time-password with the Google Authenticator App

#7 - 2016-04-29 21:53 - Stephen Yeargin

This page (http://developers-club.com/posts/168063/) describes a potential method of using a low-level service to achieve this. It looks fairly complicated to set up, but it may help somebody. Would love to hear if it works.

#8 - 2017-01-20 18:55 - Fabián Rodríguez

There is a plugin for 2FA including support for SMS, Telegram and authenticator apps:
http://www.redmine.org/plugins/redmine_2fa

#9 - 2018-01-02 18:42 - Felix Schäfer

- File 0001-2-factor-authentication-using-TOTP.patch added

- File 0002-2-factor-authentication-disabled-enabled-required.patch added

- File 0003-Backup-codes-for-2-factor-authentication.patch added

Please find attached a proposed 2-factor authentication implementation for Redmine. The core logic for the TOTP scheme is implemented using the rotp gem.

The first of the 3 attached patches is an extendable implementation of 2-factor authentication including a default TOTP scheme. The second patch adds an option to require, optionally enable or disable 2-factor authentication for all users. The third patch adds support for creating and using backup codes.

The feature is implemented so that new 2-factor authentication schemes other than TOTP can easily be added, for example in a plugin. All scheme-specific localisation strings have a __#{scheme}__ identifier, generally this is easier to do with namespaces, i.e. twofa.#{scheme}.some_string instead of twofa__#{scheme}__some_string, but the current Redmine tooling only supports top-level localisation keys.

Please furthermore note that the base 2-factor authentication is structured so that it can accommodate computed second factors (TOTP, HOTP, Keyfobs, ...) or sent second factors (sending the code via SMS, telegram, ...). Those sent second factors can contain a link with the code as query parameter so that the user can click on the link instead of copying the code into the text field in Redmine, which is why all actions that accept a 2-factor authentication code are also available via the GET verb.

We have rolled out this feature to Planio a few weeks ago, the customers that use this feature have been happy with it so far.

Last but not least, we have created a plugin implementing a 2-factor email scheme to demonstrate how additional schemes can be implemented, and how a scheme sending the one-time-password instead of using a generated one can work with the patches proposed above. Please note that this plugin is only for demonstration purposes and should probably not be used in production, refer to the "Security considerations" section of the README for more details.

#10 - 2018-01-02 18:45 - Jan from Planio www.plan.io

- Target version set to Candidate for next major release

#11 - 2018-01-02 18:46 - Jan from Planio www.plan.io

- Tracker changed from Feature to Patch

- Status changed from New to Needs feedback

#12 - 2018-01-04 07:45 - Go MAEDA

- File 2fa-setting@2x.png added

- File 2fa-my-account@2x.png added

- File 2fa-enabling@2x.png added

- File 2fa-enter-auth-code@2x.png added

Thank Felix and Planio for sharing the patch. I think this is an outstanding enhancement because 2FA is helpful to keep accounts secure and it is a must-have feature for modern cloud-based applications. Many users should welcome this feature.

I tried out the patch. It works very fine.

2FA is optional by default. Users can choose whether to use 2FA or not:

Settings

| General | Display | **Authentication** | API | Projects | Issue tracking | Time tracking | Files | Email notification | ◀ ▶ |

Authentication required ✅

Autologin [disabled ⬦]

Self-registration [manual account activation ⬦]

Show custom fields on registration ✅

Allow users to delete their own account ✅

Minimum password length [8]

Require password change after [disabled ⬦]

Allow password reset via email ✅

Two-factor authentication [optional ⬦]
Setting **disabled** will deactivate and unpair two-factor authentication devices for all users.
Setting **required** will require all users to set up two-factor authentication at their next login.

Maximum number of additional email addresses [5]

Allow OpenID login and registration ☐

Users can enable 2FA on "My account" page:

My account

✉ Emails   🖉 Change password

Information

First name * [Redmine]

Last name * [Admin]

Email * [admin@somenet.foo]

Language [(auto) ⬦]

Two-factor authentication   Enable authenticator app

Phone number [ ]

Money [ ]

[Save]

Email notifications

[For any event on all my projects ⬦]

☐ I don't want to be notified of changes that I make myself

Preferences

Hide my email address ✅

Time zone [⬦]

Display comments [In chronological order ⬦]

Warn me when leaving a page with unsaved text ✅

Font used for text areas [Default font ⬦]

Enabling 2FA:

Enable two-factor authentication

Scan this QR code or enter the plain text key into a TOTP app (e.g. Google Authenticator, Authy, Duo Mobile) and enter the code in the field below to activate two-factor authentication.

Plain text key pvub uo2c 2fz5 aur6

Code [   ]

[Activate]

One time password is required as well as login id and password when you sign in:

Redmine

Two-factor authentication

Please enter your two-factor authentication code.

Code

[214191]

[Login]

#13 - 2018-01-07 01:33 - Go MAEDA

- Target version changed from Candidate for next major release to 4.1.0

Setting target version to 4.1.0.

#14 - 2018-01-22 07:36 - Mayank Ahuja

What is the release date of 4.1.0. any tentative dates ?

#15 - 2018-01-28 14:25 - Go MAEDA

- File ja-translation-2fa.diff added

I have translated messages on this patch.

#16 - 2018-01-29 05:19 - Go MAEDA

- File ja-translation-2fa.diff added

This is an updated Japanese translation. There were 2 untranslated strings in the previous patch.

#17 - 2018-01-29 05:20 - Go MAEDA

- File deleted (ja-translation-2fa.diff)

#18 - 2018-03-03 10:33 - Go MAEDA

Felix, could you add tests for this feature?

#19 - 2018-04-10 05:43 - Enziin System

Thanks Felix!

When applying for the admin account, everything is OK.

But if I applying for normal account user, its error.

Started POST "/my/twofa/totp/activate/init" for 127.0.0.1 at 2018-04-10 06:15:23 +0000
Processing by TwofaController#activate_init as HTML
Parameters:
{"authenticity_token"=>"Yf7MaaWDeovRvA9IoRYE7hyAZs6aWjgvKB1ELuytNPfzuhN0IhwcIzWQ+df6llld8ksBuclPKCVepCwo0OsAhA==",
"scheme"=>"totp"}
Current user: kevin-nguyen (id=6)
Redirected to https://www.enziin.com/my/twofa/totp/activate/confirm
Completed 302 Found in 73ms (ActiveRecord: 12.5ms)
Started GET "/my/twofa/totp/activate/confirm" for 127.0.0.1 at 2018-04-10 06:15:23 +0000
Processing by TwofaController#activate_confirm as HTML
Parameters: {"scheme"=>"totp"}
Current user: kevin-nguyen (id=6)
Rendered twofa/totp/_new.html.erb (422.5ms)
Rendered my/_sidebar.html.erb (14.1ms)
Rendered twofa/activate_confirm.html.erb within layouts/base (459.4ms)
Completed 500 Internal Server Error in 478ms (ActiveRecord: 10.3ms)

ActionView::Template::Error (No route matches {:action=>"destroy", :controller=>"twofa", :scheme=>"totp"}):
4: <%=l(:field_created_on)%>: <%= format_time(@user.created_on) ></p>
5:
6: < if @user.own_account_deletable? >
7:   <p><= link_to(l(:button_delete_my_account), {:action => 'destroy'}, :class => 'icon icon-del') ></p>
8: < end >
9:
10: <h4><= l(:label_feeds_access_key) %></h4>
app/views/my/_sidebar.html.erb:7:in `_app_views_my__sidebar_html_erb___7316170397399943373_70003011594380'
app/views/twofa/activate_confirm.html.erb:22:in `block in *app_views_twofa_activate_confirm_html_erb*_76021097380460310_46976643820260'
app/views/twofa/activate_confirm.html.erb:21:in `_app_views_twofa_activate_confirm_html_erb__76021097380460310_46976643820260'
lib/redmine/sudo_mode.rb:63:in `sudo_mode'

I fixed it:

In the "my/_sidebar.html.erb" by adding :controller=>"my"

<% if @user.own_account_deletable? >
<p><= link_to(l(:button_delete_my_account), {:action => 'destroy', :controller=>"my"}, :class => 'icon icon-del') ></p>
< end %>

#20 - 2019-05-28 00:29 - Go MAEDA

- Target version changed from 4.1.0 to 4.2.0

#21 - 2019-08-14 13:05 - Felix Schäfer

- File 0001-2-factor-authentication-using-TOTP.patch added

The rotp gem has changed its API, the attached 0001 patch replaces the original patch and fixes the API changes with rotp.

#22 - 2019-08-14 13:13 - Felix Schäfer

Enziin System wrote:

> But if I applying for normal account user, its error.

I can see what causes the error. The method to create the link the user can use to delete the user's own account expects the my/_sidebar.html.erb partial to be used only on /my/account or /my/password pages.

I think this should be made more explicit/fixed in Redmine core so that other plugins that may use my/_sidebar.html.erb do not break either. Maeda-san, do you agree? If yes I can open an issue and propose a patch for my/_sidebar.html.erb.

#23 - 2019-08-17 15:47 - Jens Krämer

- File 0001-adds-two-factor-authentication-support.patch added

- File 0002-adds-a-setting-to-disable-enable-require-2fa-auth.patch added

- File 0003-backup-codes-for-2fa-auth.patch added

- File 0004-adds-integration-test-for-totp-two-factor-auth.patch added

I rebased the patch series on top of current master and added an integration test covering the basic activation / totp and backup code functionality. I also fixed the above problem by making the account deletion link more explicit.

#24 - 2019-08-17 16:01 - Marius BĂLTEANU

Jens Krämer wrote:

> I rebased the patch series on top of current master and added an integration test covering the basic activation / totp and backup code functionality. I also fixed the above problem by making the account deletion link more explicit.

Jens, I think something went wrong because your patches are empty.

#25 - 2019-08-17 16:05 - Jens Krämer

- File 0001-adds-two-factor-authentication-support.patch added

- File 0002-adds-a-setting-to-disable-enable-require-2fa-auth.patch added

- File 0003-backup-codes-for-2fa-auth.patch added

- File 0004-adds-integration-test-for-totp-two-factor-auth.patch added

I apologize, uploading files on an ipad is still a problem unfortunately :)

#26 - 2019-08-17 16:08 - Jens Krämer

the fifth patch of the series actually adds a new feature on top of this so I created a separate issue for it: #31920

#27 - 2019-08-18 14:35 - Go MAEDA

- Blocks Feature #31920: Require 2FA only for certain user groups added

#28 - 2019-08-20 08:46 - Jens Krämer

- File 0001-adds-two-factor-authentication-support.patch added

Updated first patch that adds a require statement necessary for the patch to work in production.

#29 - 2019-09-28 08:46 - Go MAEDA

- File 0001-adds-two-factor-authentication-support-r18547.patch added

- File 0002-adds-a-setting-to-disable-enable-require-2fa-auth-r18547.patch added

I have slightly fixed two of the four patches to apply to the latest trunk, r18547. You can add two-factor authentication by applying the following patches.

- attachment:0001-adds-two-factor-authentication-support-r18547.patch (updated)
- attachment:0002-adds-a-setting-to-disable-enable-require-2fa-auth-r18547.patch (updated)
- 0003-backup-codes-for-2fa-auth.patch
- 0004-adds-integration-test-for-totp-two-factor-auth.patch

#30 - 2019-09-28 10:33 - Go MAEDA

- Status changed from Needs feedback to New

- Assignee set to Jean-Philippe Lang

- Target version changed from 4.2.0 to 4.1.0

Two-factor authentication is becoming a must-have feature nowadays. Thanks to Planio, now there is a complete and ready-to-commit patch with test code.

I think it is the time to commit the patch. Setting the target version to 4.1.0.

#31 - 2019-09-28 12:19 - Marius BĂLTEANU

Go MAEDA wrote:

> Two-factor authentication is becoming a must-have feature nowadays. Thanks to Planio, now there is a complete and ready-to-commit patch with test code.
>
> I thik it is the time to commit the patch. Setting the target version to 4.1.0.

Totally agree with you regarding the need for this feature.

Regarding the patches, I've just tested the entire work and it looks very good to me. All the tests pass on MySQL 5.7 and Postgres 10.9 (https://gitlab.com/redmine-org/redmine/pipelines/85148957).

I've found only some minor things:

Code related:
1. The db migration version should be 5.2 in the migration files. Also, the filenames should be updated to the current date before committing.

```
Mariuss-MacBook-Pro:redmine mariusbalteanu$ git diff
diff --git a/db/migrate/20170711134351_add_twofa_scheme_to_user.rb b/db/migrate/20170711134351_add_twofa_scheme_to_user.rb
index ac3f49717..ea0b48fc8 100644
--- a/db/migrate/20170711134351_add_twofa_scheme_to_user.rb
+++ b/db/migrate/20170711134351_add_twofa_scheme_to_user.rb
@@ -1,4 +1,4 @@
-class AddTwofaSchemeToUser < ActiveRecord::Migration[4.2]
+class AddTwofaSchemeToUser < ActiveRecord::Migration[5.2]
   def change
     add_column :users, :twofa_scheme, :string
   end
diff --git a/db/migrate/20170711134352_add_totp_to_user.rb b/db/migrate/20170711134352_add_totp_to_user.rb
index d24bdba86..6842878e3 100644
--- a/db/migrate/20170711134352_add_totp_to_user.rb
+++ b/db/migrate/20170711134352_add_totp_to_user.rb
@@ -1,4 +1,4 @@
-class AddTotpToUser < ActiveRecord::Migration[4.2]
+class AddTotpToUser < ActiveRecord::Migration[5.2]
   def change
     add_column :users, :twofa_totp_key, :string
     add_column :users, :twofa_totp_last_used_at, :integer
```

2. The following new Rubocop warnings are introduced:

```
Offenses:

app/controllers/account_controller.rb:255:5: C: Rails/Blank: Use if @user.blank? instead of unless @user.prese
nt?.
    unless @user.present?
    ^^^^^^^^^^^^^^^^^^^^^
app/controllers/twofa_backup_codes_controller.rb:1:1: C: Style/FrozenStringLiteralComment: Missing magic comme
nt # frozen_string_literal: true.
class TwofaBackupCodesController < ApplicationController
^
app/controllers/twofa_controller.rb:1:1: C: Style/FrozenStringLiteralComment: Missing magic comment # frozen_s
tring_literal: true.
class TwofaController < ApplicationController
^
app/controllers/twofa_controller.rb:78:5: C: Rails/Blank: Use if twofa_scheme.blank? instead of unless twofa_s
cheme.present?.
    unless twofa_scheme.present?
    ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
app/helpers/twofa_helper.rb:1:1: C: Style/FrozenStringLiteralComment: Missing magic comment # frozen_string_li
teral: true.
module TwofaHelper
^
lib/redmine/twofa.rb:1:1: C: Style/FrozenStringLiteralComment: Missing magic comment # frozen_string_literal:
true.
module Redmine
^
```

```
lib/redmine/twofa.rb:25:5: W: Lint/UselessAccessModifier: Useless private access modifier.
    private
    ^^^^^^^
lib/redmine/twofa/base.rb:1:1: C: Style/FrozenStringLiteralComment: Missing magic comment # frozen_string_lite
ral: true.
module Redmine
^
lib/redmine/twofa/base.rb:97:29: C: Style/ParenthesesAroundCondition: Don't use parentheses around the conditi
on of an unless.
        return false unless (@user.present? && @user == user_from_code)
                            ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
lib/redmine/twofa/totp.rb:1:1: C: Style/FrozenStringLiteralComment: Missing magic comment # frozen_string_lite
ral: true.
module Redmine
^
test/integration/twofa_test.rb:1:1: C: Style/FrozenStringLiteralComment: Missing magic comment # frozen_string
_literal: true.
require File.expand_path('../../test_helper', __FILE__)
^
test/integration/twofa_test.rb:124:1: C: Layout/EmptyLinesAroundBlockBody: Extra empty line detected at block
body end.
```

3. Redmine copywriting "# Redmine - project management software etc" is missing from the files added by these patches.

Functional:
4. Users should not be allowed to disable 2FA authentication when the "Two-factor authentication" is set to "required" in administration. Currently, the user can disable it, but at the next login, he is be prompted again to configure 2FA. I propose to not allow users to disable 2FA authentication from the beginning.

#32 - 2019-10-04 13:00 - Marius BĂLTEANU

- Assignee changed from Jean-Philippe Lang to Go MAEDA

- Target version changed from 4.1.0 to 4.2.0

Please reassign this to 4.1.0 after the above issues are fixed.

#33 - 2019-10-05 11:08 - Go MAEDA

- File 0001-adds-two-factor-authentication-support-r18593.patch added

- File 0002-adds-a-setting-to-disable-enable-require-2fa-auth-r18593.patch added

- File 0003-backup-codes-for-2fa-auth-r18593.patch added

- File 0004-adds-integration-test-for-totp-two-factor-auth-r18593.patch added

- Subject changed from Add support for one time passwords or two-factor authentication to Add support for two-factor authentication

- Target version changed from 4.2.0 to 4.1.0

Marius, thank you for reviewing the patch series. Here are patches to commit:

- attachment:0001-adds-two-factor-authentication-support-r18593.patch
- attachment:0002-adds-a-setting-to-disable-enable-require-2fa-auth-r18593.patch
- attachment:0003-backup-codes-for-2fa-auth-r18593.patch
- attachment:0004-adds-integration-test-for-totp-two-factor-auth-r18593.patch

Marius BALTEANU wrote:

> 1. The db migration version should be 5.2 in the migration files. Also, the filenames should be updated to the current date before committing.

Applied the patch you posted in #1237#note-31. But the filenames are not changed yet.

> 2. The following new Rubocop warnings are introduced:

All RuboCop warnings are fixed.

> 3. Redmine copywriting "# Redmine - project management software etc" is missing from the files added by these patches.

Done.

> 4. Users should not be allowed to disable 2FA authentication when the "Two-factor authentication" is set to "required" in administration.
> Currently, the user can disable it, but at the next login, he is be prompted again to configure 2FA. I propose to not allow users to disable 2FA

authentication from the beginning.

I think the behavior should be kept. It is necessary to allow users to discard the current 2FA config and set up a new config by themself.

Assume that a user lost their authentication device but they have backup codes, and they want to set up a new authentication device. They can discard the 2FA config for the lost device and configure 2FA for the new device without the help of admins by the following steps:

1. Login with id, password, and a backup code
2. Go to "My account" and Disable 2FA (another backup code is required)
3. Logout
4. Login with id and password. Redmine requires the user to configure 2FA
5. Configure 2FA for the new device

#34 - 2019-10-09 08:09 - Marius BĂLTEANU

Thanks for updating the patches, I can confirm that all code related issues have been fixed.

One more thing, it seems (at least on my environment) that the patches doesn't apply cleanly anymore:

```
mariusbalteanu@Mariuss-MacBook-Pro redmine % curl http://www.redmine.org/attachments/download/24068/0001-adds-
two-factor-authentication-support-r18593.patch | patch -p1
  % Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
                                 Dload  Upload   Total   Spent    Left  Speed
100 32734    0 32734    0     0   138k      0 --:--:-- --:--:-- --:--:--  138k
patching file Gemfile
Hunk #1 succeeded at 21 (offset 3 lines).
patching file app/controllers/account_controller.rb
patching file app/controllers/twofa_controller.rb
patching file app/models/user.rb
patching file app/views/account/twofa_confirm.html.erb
patching file app/views/my/_sidebar.html.erb
patching file app/views/my/account.html.erb
patching file app/views/twofa/activate_confirm.html.erb
patching file app/views/twofa/deactivate_confirm.html.erb
patching file app/views/twofa/totp/_new.html.erb
patching file app/views/users/_form.html.erb
patching file config/locales/de.yml
Hunk #2 FAILED at 1299.
1 out of 2 hunks FAILED -- saving rejects to file config/locales/de.yml.rej
patching file config/locales/en.yml
Hunk #1 succeeded at 1101 (offset 1 line).
Hunk #2 succeeded at 1281 (offset 1 line).
patching file config/routes.rb
patching file db/migrate/20170711134351_add_twofa_scheme_to_user.rb
patching file db/migrate/20170711134352_add_totp_to_user.rb
patching file lib/redmine.rb
patching file lib/redmine/twofa.rb
patching file lib/redmine/twofa/base.rb
patching file lib/redmine/twofa/totp.rb
patching file public/stylesheets/application.css
patching file public/stylesheets/responsive.css
```

Can you check, please? I think it is because of r18596.

#35 - 2019-10-09 16:55 - Go MAEDA

- File 0001-adds-two-factor-authentication-support-r18640.patch added

- Assignee changed from Go MAEDA to Jean-Philippe Lang

Marius, thank you for reviewing the patch series. I have updated one of the four patches.

Patches to commit:

- attachment:0001-adds-two-factor-authentication-support-r18640.patch (updated)
- attachment:0002-adds-a-setting-to-disable-enable-require-2fa-auth-r18593.patch
- attachment:0003-backup-codes-for-2fa-auth-r18593.patch
- attachment:0004-adds-integration-test-for-totp-two-factor-auth-r18593.patch

#36 - 2019-10-24 10:32 - Go MAEDA

- File deleted (0001-adds-two-factor-authentication-support-r18640.patch)

#37 - 2019-10-24 10:32 - Go MAEDA

- File deleted (0001-adds-two-factor-authentication-support-r18593.patch)

#38 - 2019-10-24 10:32 - Go MAEDA

- File deleted (0001-adds-two-factor-authentication-support-r18547.patch)

#39 - 2019-10-24 10:33 - Go MAEDA

- File deleted (0002-adds-a-setting-to-disable-enable-require-2fa-auth-r18547.patch)

#40 - 2019-10-24 10:36 - Go MAEDA

- File 0001-adds-two-factor-authentication-support-r18859.patch added

Updated the patch for the current trunk [r18859](#).

Patches to commit:

- attachment:0001-adds-two-factor-authentication-support-r18859.patch (updated)
- attachment:0002-adds-a-setting-to-disable-enable-require-2fa-auth-r18593.patch
- attachment:0003-backup-codes-for-2fa-auth-r18593.patch
- attachment:0004-adds-integration-test-for-totp-two-factor-auth-r18593.patch

#41 - 2019-11-02 08:36 - Jean-Philippe Lang

- Target version changed from 4.1.0 to 5.0.0

Reassigning this huge change to the next major.

#42 - 2019-11-02 09:11 - Go MAEDA

- Target version changed from 5.0.0 to 4.2.0

Jean-Philippe Lang wrote:

> Reassigning this huge change to the next major.

I think the next major release is 4.2.0.

#43 - 2020-08-26 18:30 - Go MAEDA

- File 0001-Adds-two-factor-authentication-support-1237.patch added

- File 0002-Adds-a-setting-to-disable-enable-require-2fa-auth-12.patch added

- File 0003-Backup-codes-for-2fa-auth-1237.patch added

- File 0004-Integration-test-for-2fa-auth-1237.patch added

- Assignee changed from Jean-Philippe Lang to Go MAEDA

I have emailed Jean-Philippe Lang and got his approval to commit this patch for Redmine 4.2.0.

Here are the final patches to be committed. I will commit the patches in a few days to a week.

- [0001-Adds-two-factor-authentication-support-1237.patch](#)
- [0002-Adds-a-setting-to-disable-enable-require-2fa-auth-12.patch](#)
- [0003-Backup-codes-for-2fa-auth-1237.patch](#)
- [0004-Integration-test-for-2fa-auth-1237.patch](#)

#44 - 2020-08-26 18:31 - Go MAEDA

- File deleted (0001-adds-two-factor-authentication-support-r18859.patch)

#45 - 2020-08-26 18:31 - Go MAEDA

- File deleted (0004-adds-integration-test-for-totp-two-factor-auth-r18593.patch)

#46 - 2020-08-26 18:31 - Go MAEDA

- File deleted (0003-backup-codes-for-2fa-auth-r18593.patch)

#47 - 2020-08-26 18:31 - Go MAEDA

- File deleted (0002-adds-a-setting-to-disable-enable-require-2fa-auth-r18593.patch)

#48 - 2020-08-26 18:44 - Marius BĂLTEANU

Go MAEDA wrote:

> I have emailed Jean-Philippe Lang and got his approval to commit this patch for Redmine 4.2.0.

Great news!

#49 - 2020-08-27 08:35 - Bernhard Rohloff

Go MAEDA wrote:

> I have emailed Jean-Philippe Lang and got his approval to commit this patch for Redmine 4.2.0.

That's so cool! Thank you for your efforts.

#50 - 2020-08-29 09:31 - Go MAEDA

- Tracker changed from Patch to Feature

- Status changed from New to Closed

- Resolution set to Fixed

Committed the patches from Planio. Thank you for your great contribution.

#51 - 2020-08-30 09:24 - Go MAEDA

- Related to Defect #33925: ArgumentError in lib/redmine/twofa/base.rb after updating a source file in development mode added

#52 - 2020-08-30 16:00 - Go MAEDA

- Related to Patch #33929: Encrypt / decrypt TOTP secret keys with `rake db:encrypt` / `rake db:decrypt` added

#53 - 2020-08-31 06:31 - Go MAEDA

- Related to Defect #33932: Can't view "My account" page when 2fa is setting to optional added

#54 - 2020-11-08 08:55 - Go MAEDA

- Related to Defect #34233: otpauth uri should include a login id, not an email address added

#55 - 2020-11-08 14:14 - Go MAEDA

- Related to Defect #34234: Use Setting.host_name instead of Setting.app_title as TOTP issuer to avoid name collision with other instances or apps added

#56 - 2020-11-10 03:43 - Go MAEDA

- Related to Feature #34241: Include twofa_scheme (two-factor scheme) column when exporting users to CSV added

#57 - 2020-12-23 09:57 - Go MAEDA

- Related to Feature #34495: Don't show "Two-factor authentication" on new user form added

#58 - 2021-01-23 08:13 - Go MAEDA

- Related to Defect #34618: Cannot sign in when both enabling two-factor authentication and changing password are required added

#59 - 2021-04-19 09:13 - Marius BĂLTEANU

- Related to Feature #34070: Allow setting a grace period when forcing 2FA added

#60 - 2021-06-09 11:10 - Marius BĂLTEANU

- Related to Patch #35372: Better presentation for 2FA recovery codes added

#61 - 2021-06-22 20:07 - Marius BĂLTEANU

- Related to Feature #35001: Disable API authentication with username and password when two-factor authentication is enabled for the user added

#62 - 2021-06-22 23:05 - Marius BĂLTEANU

- Related to Feature #35086: Please consider changing the way how 2FA is set up added

#63 - 2021-06-22 23:24 - Marius BĂLTEANU

- Related to Feature #35439: Option to require 2FA only for users with administration rights added

#64 - 2021-07-27 23:00 - Marius BĂLTEANU

- Related to Defect #35417: User sessions not reset after 2FA activation added

#65 - 2021-11-06 21:30 - Marius BĂLTEANU

- Related to Feature #35934: Show 2FA status in users list from administration with option to filter added

Files

0002-2-factor-authentication-disabled-enabled-required.patch	13.8 KB	2018-01-02	Felix Schäfer
0001-2-factor-authentication-using-TOTP.patch	30 KB	2018-01-02	Felix Schäfer
0003-Backup-codes-for-2-factor-authentication.patch	18.8 KB	2018-01-02	Felix Schäfer
2fa-setting@2x.png	55.4 KB	2018-01-04	Go MAEDA
2fa-my-account@2x.png	45.5 KB	2018-01-04	Go MAEDA
2fa-enabling@2x.png	26.1 KB	2018-01-04	Go MAEDA
2fa-enter-auth-code@2x.png	15.4 KB	2018-01-04	Go MAEDA
ja-translation-2fa.diff	4.21 KB	2018-01-29	Go MAEDA
0001-2-factor-authentication-using-TOTP.patch	27.6 KB	2019-08-14	Felix Schäfer
0001-adds-two-factor-authentication-support.patch	3.14 KB	2019-08-17	Jens Krämer
0002-adds-a-setting-to-disable-enable-require-2fa-auth.patch	3.15 KB	2019-08-17	Jens Krämer
0003-backup-codes-for-2fa-auth.patch	3.13 KB	2019-08-17	Jens Krämer
0004-adds-integration-test-for-totp-two-factor-auth.patch	3.15 KB	2019-08-17	Jens Krämer
0002-adds-a-setting-to-disable-enable-require-2fa-auth.patch	13.8 KB	2019-08-17	Jens Krämer
0001-adds-two-factor-authentication-support.patch	30.4 KB	2019-08-17	Jens Krämer
0004-adds-integration-test-for-totp-two-factor-auth.patch	4.83 KB	2019-08-17	Jens Krämer
0003-backup-codes-for-2fa-auth.patch	18.9 KB	2019-08-17	Jens Krämer
0001-adds-two-factor-authentication-support.patch	30.8 KB	2019-08-20	Jens Krämer
0001-Adds-two-factor-authentication-support-1237.patch	34.5 KB	2020-08-26	Go MAEDA
0002-Adds-a-setting-to-disable-enable-require-2fa-auth-12.patch	13.9 KB	2020-08-26	Go MAEDA
0003-Backup-codes-for-2fa-auth-1237.patch	20.6 KB	2020-08-26	Go MAEDA
0004-Integration-test-for-2fa-auth-1237.patch	5.74 KB	2020-08-26	Go MAEDA