Prevent accidental deletion of contents with sudo mode

Users sometimes mistakenly delete contents like issues. I think it is because deleting contents is so easy if they have appropriate permissions.

I think such accidents can be reduced with sudo mode. If sudo mode guards deletion of contents as well by requiring re-entering a password, users can have an opportunity to reconsider the operation.

**Step 1:** the user see “Are you sure?” dialog after clicking “Delete” button. Not a few users press OK without thinking.

**Step 2:** if sudo mode is enabled in configuration.yml and the attached patch is applied, Redmine requires user to re-enter their password before performing deletion. The user may notice that they are doing a dangerous operation.

**Related issues:**
- Related to Redmine - Feature #2893: Add a view to confirm issue deletion

**Associated revisions**
- Revision 19569 - 2020-03-10 04:26 - Go MAEDA
  
  Require sudo mode for actions to delete contents (#33071).

  Patch by Go MAEDA.

- Revision 19579 - 2020-03-14 04:49 - Go MAEDA

  Reverts r19569 (#33071).

  404 error after deleting an attachment.

**History**

1. 2020-03-05 04:54 - Go MAEDA
   - Related to Feature #2893: Add a view to confirm issue deletion added

2. 2020-03-07 08:12 - Go MAEDA
   - File 0001-Require-sudo-mode-for-actions-to-delete-contents.patch added
   - Target version set to Candidate for next major release
Added tests to the patch.

**#3 - 2020-03-08 00:24 - Go MAEDA**
- Target version changed from Candidate for next major release to 4.2.0

Setting the target version to 4.2.0.

**#4 - 2020-03-08 10:48 - Marius BALTEANU**

The instances without sudo mode enabled won't be able to use this feature, right?

**#5 - 2020-03-08 12:14 - Go MAEDA**

Marius BALTEANU wrote:

```
The instances without sudo mode enabled won't be able to use this feature, right?
```

Yes, that is right. The patch extends sudo mode, so there is no change in behavior on Redmine instances without sudo mode enabled.

**#6 - 2020-03-10 04:27 - Go MAEDA**
- Status changed from New to Closed
- Assignee set to Go MAEDA
- Resolution set to Fixed

Committed the patch.

**#7 - 2020-03-10 08:53 - Marius BALTEANU**

Go MAEDA wrote:

```
Committed the patch.
```

Even if the patch is already committed, I think it's too much to require the password for delete actions and to have this feature only for the instances with sudo mode enabled. I think making the delete action harder, it's good idea. What I saw in the last period in many web applications (starting from cloud platforms to Github, Gitlab) it's a custom confirmation modal that requires a manual input like "yes" from the user in order to continue the action.

Also, in some cases like issue page, the delete button it's easily mismatch with the delete button from comment and what we can do there is to hide the button under actions dropdown.

I'm reopening this to take more feedback from the users, I don't think that such a change should go so quickly in the next release.

**#8 - 2020-03-10 08:54 - Marius BALTEANU**
It will be nice if an alternative implementation is introduced before the release of 4.2.0.

But I believe that a mechanism to guard contents against such accidents is indispensable and the sudo mode works well until another mechanism is implemented. I will happily replace this if another patch is suggested.

Before that, I think the sudo mode is a good workaround. Probably not many instances enable sudo mode, the instances influenced by this extended sudo mode are limited. So, most users Redmine can delete contents as usual even after their instance is upgraded.

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