Redmine - Defect #9567
Redmine.pm potential security issue with cache credential enabled and subversion
2011-11-14 20:40 - Guillaume Perréal

Status: Closed
Priority: High
Assignee: Jean-Philippe Lang
Category: SCM extra
Target version: 1.2.3
Resolution: Fixed

Description

Redmine.pm credential cache is based only on project, user and password, ignoring permissions (or at least read/write type). Credentials cached for reading can thus be reused for committing.

Simple test case:
1. ensure credential cache is enabled using "RedmineCacheCredsMax 50",
2. create a private project with Subversion SCM,
3. assign an user with role "reviewer" (he should have only :browse_repository permission),
4. check out the project,
5. modify a file,
6. commit.

Here is log excerpt (user bob is reviewer of project monprojet):

First attempt, we get an error 401, asking the user to authenticate for read method "OPTIONS":

```
192.168.56.1 - - [14/Nov/2011:20:32:27 +0100] "OPTIONS /svn/monprojet/trunk HTTP/1.1" 401 762 "" "SVN/1.6.12 (r955767) neon/0.29.6"
```

Then the user successfully authenticates as bob, which is allowed read methods (OPTIONS and PROPFIND):

```
192.168.56.1 - bob [14/Nov/2011:20:32:35 +0100] "OPTIONS /svn/monprojet/trunk HTTP/1.1" 200 870 "" "SVN/1.6.12 (r955767) neon/0.29.6"
192.168.56.1 - bob [14/Nov/2011:20:32:35 +0100] "PROPFIND /svn/monprojet/trunk HTTP/1.1" 207 856 "" "SVN/1.6.12 (r955767) neon/0.29.6"
```

There comes the committing part, starting with MKACTIVITY, a write method:

```
192.168.56.1 - bob [14/Nov/2011:20:32:35 +0100] "MKACTIVITY /svn/monprojet/lsnv/act/7d5d2d10-22bb-429d-99d3-958c04a83f6c HTTP/1.1" 201 579 "" "SVN/1.6.12 (r955767) neon/0.29.6"
192.168.56.1 - bob [14/Nov/2011:20:32:35 +0100] "CHECKOUT /svn/monprojet/lsnv/default HTTP/1.1" 201 595 "" "SVN/1.6.12 (r955767) neon/0.29.6"
192.168.56.1 - bob [14/Nov/2011:20:32:35 +0100] "PROPPATCH /svn/monprojet/lsnv/ver/3/trunk HTTP/1.1" 207 625 "" "SVN/1.6.12 (r955767) neon/0.29.6"
192.168.56.1 - bob [14/Nov/2011:20:32:35 +0100] "PROPFIND /svn/monprojet/trunk HTTP/1.1" 207 856 "" "SVN/1.6.12 (r955767) neon/0.29.6"
```

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Associated revisions

Revision 7809 - 2011-11-14 23:11 - Jean-Philippe Lang

Fixed: Redmine.pm potential security issue with cache credential enabled and subversion (#9567).

Revision 8120 - 2011-12-07 22:58 - Jean-Philippe Lang

Merged r7809 from trunk (#9567).

History

#1 - 2011-11-14 22:47 - Jean-Philippe Lang
- Status changed from New to Confirmed

Yes, RedmineCacheCredsMax should be disabled for now.

#2 - 2011-11-14 23:11 - Jean-Philippe Lang
- Status changed from Confirmed to Resolved
- Assignee set to Jean-Philippe Lang
- Resolution set to Fixed

This should be fixed in r7809. Can you confirm?

#3 - 2011-11-15 00:37 - Guillaume Perréal

Confirmed. It indeed denies MKACTIVITY in this test case.

#4 - 2011-11-15 22:16 - Jean-Philippe Lang
- Target version set to 1.2.3

#5 - 2011-12-07 22:59 - Jean-Philippe Lang
- Status changed from Resolved to Closed

Merged.