Prewikka - Feature #240

[PATCH] - SSL Client Certificate Authentification module

06/18/2007 04:58 PM -

Status:	New	**Start date:**	
Priority:	Normal	**Due date:**	
Assignee:		**% Done:**	0%
Category:		**Estimated time:**	0.00 hour
Target version:			
Resolution:			

Description

Hi

Here is a patch to use a SSL Client certificate to authenticate user. The username should be equal to the user certificate CN (the full DN is too long to be used, login field is limited to 32 char)

Limitations:

- Currently only tested in a SSL mod_python setup
- Need SSLOptions +StdEnvVars
- Used with python 2.3

In prewikka.conf

```
[auth ssl]
```

And this file in a new directory *prewikka/modules/auth/ssl/*

```
# Copyright (C) 2006 [[PreludeIDS]] Technologies. All Rights Reserved.
# Author: Francois Harvey <fharvey+prelude at securiweb dot net>
#
# This file is part of the Prewikka program.
#
# This program is free software; you can redistribute it and/or modify
# it under the terms of the GNU General Public License as published by
# the Free Software Foundation; either version 2, or (at your option)
# any later version.
#
# This program is distributed in the hope that it will be useful,
# but WITHOUT ANY WARRANTY; without even the implied warranty of
# MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.  See the
# GNU General Public License for more details.
#
# You should have received a copy of the GNU General Public License
# along with this program; see the file COPYING.  If not, write to
# the Free Software Foundation, 675 Mass Ave, Cambridge, MA 02139, USA.

import os

from prewikka import Auth, User, Database

# Use the SSL_CLIENT_S_DN_CN from a SSL x509 Certificate to map the user
class SSLAuth(Auth.Auth):
    def getUser(self, request):
        if not request._req.subprocess_env['HTTPS']:
                raise Auth.AuthError(message=_("SSL Authentication failed: Not in a SSL session.")
)
```

```
        user = request._req.subprocess_env['SSL_CLIENT_S_DN_CN']
        if not user:
            raise Auth.AuthError(message=_("SSL Authentication failed: no user specified (hint: lo
ok at the certificate CN)."))

        return User.User(self.db, user, self.db.getLanguage(user), User.ALL_PERMISSIONS, self.db.g
etConfiguration(user))

def load(env, config):
    return SSLAuth(env)
```

History

#1 - 07/12/2007 03:33 PM - Yoann VANDOORSELAERE

Thanks for this contribution! The patch look good, the only drawback is that it require the use of the mod_python backend. Could you add the necessary interface to Request.py (and then to the mod_python and CGI implementation), so that the module will work independently from the backend?

Thanks again!

#2 - 04/29/2009 12:21 PM - Yoann VANDOORSELAERE

- Project changed from PRELUDE SIEM to Prewikka

- Category deleted (5)

#3 - 09/23/2013 11:00 AM - Jean-Charles ROGEZ

- Assignee deleted (Yoann VANDOORSELAERE)

- Target version set to 122

#4 - 09/23/2013 11:01 AM - Jean-Charles ROGEZ

- Status changed from New to Assigned

- Assignee set to Jean-Charles ROGEZ

#5 - 11/08/2015 12:09 PM - Thomas ANDREJAK

- Target version changed from 122 to Prelude OSS 3.0.0

#6 - 04/23/2016 07:49 PM - Thomas ANDREJAK

- Target version changed from Prelude OSS 3.0.0 to Prelude OSS 3.1.0

#7 - 09/28/2016 11:07 PM - Thomas ANDREJAK

- Status changed from Assigned to New

- Assignee deleted (Jean-Charles ROGEZ)

- Target version deleted (Prelude OSS 3.1.0)

Patch has to be updated

Files

ssl.py		1.59 KB	06/18/2007	admin admin