

# EURECOM VPN SSL for students

## User's guide

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## Introduction

Eurecom offers a solution for staff members and students to access from outside of Eurecom to internal resources. One can, using its own machine and an internet connection, access to internal applications.

Main concerned resources and applications are:

- Web application like intranet, sifi ...
- File access
- Mail access
- In some cases, specific internal applications

VPN SSL offers a single centralized access point. To access internal resources, a user has to

- Connect to the VPN SSL portal main page
- Authenticate itself
- Select application he needs just clicking on the VPN SLL web portal

This documentation is a user guide which may help users to use EURECOM VPN SSL.

## Login process

### *Portail main page*

EURECOM vpn ssl is available from:

<https://vpn.eurecom.fr>

### *Prerequisite*

To access EURECOM VPN SSL, you must have

1. A RSA SecurID hardware token: ask IT service to have one.
2. A computer with
  - a. Windows, linux or MacOS
  - b. Java (only for specific applications which require plug ins (see following chapters))

3. An internet connection that allow https (i.e. port 443) connection to outside sites.
4. Browser Configuration: you must allow window pop-up to be able to use some applications supported by SSL VPN (like the SIFI).

EURECOM SSL VPN is a lightweight VPN. The simplest part of the VPN does not even require any user installation and thus does not require you to be administrator of the machine.

### ***RSA SecurId token and PIN CODE***



Each SecurID RSA hardware token corresponds to a specific Pin Code. This code is generated and given to you only once: be careful to memorize it since it is mandatory to logon (see logon process after).

When you use RSA token for the first time, as you do not have your pin code yet, just give the number shown on the token as passcode: the system will automatically give you your pin code.

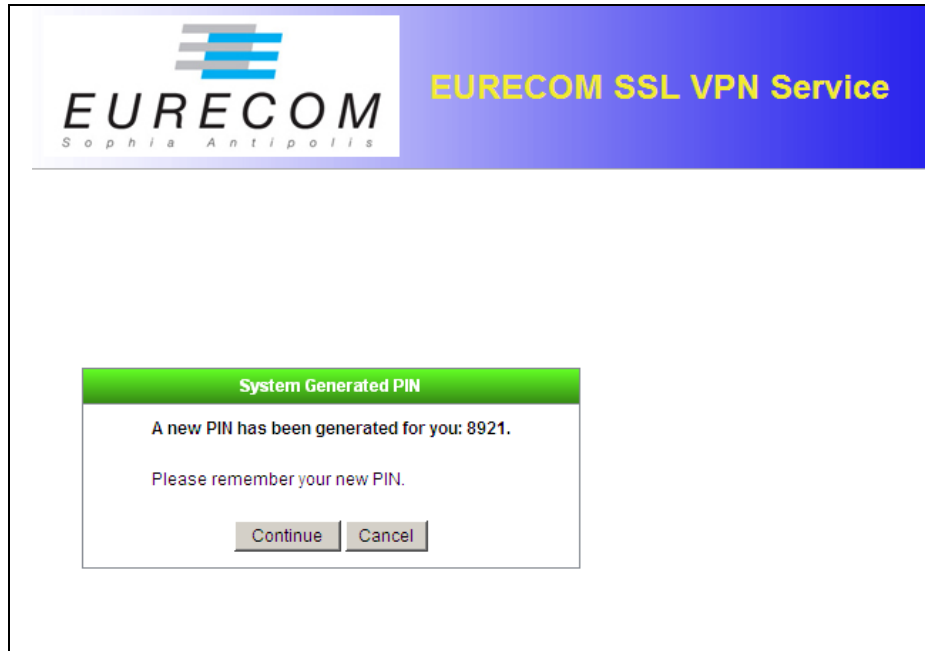
#### ***IMPORTANT NOTE:***

- This PIN code is **personal** and mustn't be known by anyone else than you. If you suspect it's not the case, just contact Eurecom IT staff who will re initialize the token.
- The PIN code is given to you **only once**: you must remember it to be able to connect again.

### **First usage of RSA SecurID token**

This procedure describes how to use your token for the first time. The goal of such a process is to obtain your personal PIN code. Once you've got it, refer to **Connection process** page 5.

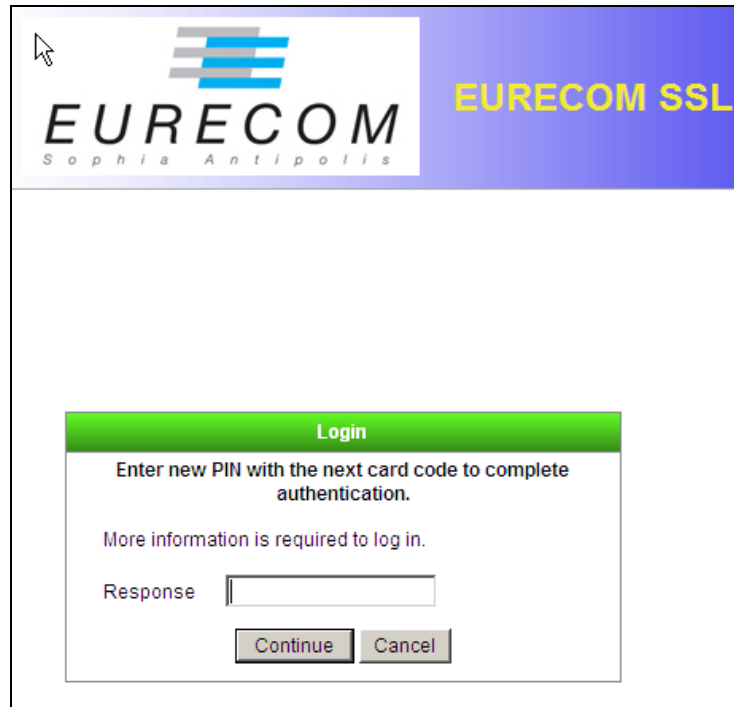
To obtain your RSA SecurID PIN code: just log you using as PASSCODE the 6 digits shown on your RSA token: go to <https://vpn.eurecom.fr>, select Student and fill the form (see to **Connection process** page 5 for more information). The system gives you your PIN code:



Be careful that nobody may know your PIN code: for your first login process, care that nobody can see your screen and then acquire your code.

**REMEMBER YOUR PIN CODE:** the system will never show it again. If you lose it, you have to request for a new one to IT service, sending an email to [adminsecu@eurecom.fr](mailto:adminsecu@eurecom.fr).

After that, the system asks you for another authentication just to ensure you've remember your PIN:



You have to:

1. Wait until the 6 digits code on your token changes
2. Enter your **complete** PASCODE : PIN code just given plus 6 digit on your token



Example: in our case 8921032848 (8921 = PIN code, 032848 = one time password shown on your token)

### ***Connection process***

Open a web browser and go to

<https://vpn.eurecom.fr>

**EURECOM**  
Sophia Antipolis

**EURECOM SSL VPN Service**

**EURECOM Login**

Please enter your username, password and passcode.

GROUP:

USERNAME:

Windows password

RSA PASSCODE:

Login

**Welcome to Eurecom ssl vpn portal**

Select EURECOM GROUP EVEN if you're a student

**STUDENTS :**

Connect to **EURECOM GROUP**  
Refer to [documentation](#)

This main page is not dedicated for a specific users group. To connect yourself, first select your GROUP (i.e. category): **EURECOM**

Note that the logon process will not allow you to connect if you select the wrong group, even if your login information is correct.

Note that the login page look and feel may change a little and shows you the group you've chosen: if you cannot log you, verify you've chosen EURECOM GROUP.

You have to enter following information:

- **USERNAME:** this is your EURECOM windows login name
- **Windows password:** this is your password you usually use to connect to a EURECOM windows machine
- **RSA PASSCODE:** this is the RSA SecurID One time password composed by your PIN code directly followed by the 6 digits code shown on your token. See paragraph "**RSA Securid token and PIN CODE**" page 3 for more information.

Once you're authenticated, the SSL web portal is opened.

## SSL VPN usage

The window portal page is composed of two main parts:

1. A left menu with :
  - i. Home (this page),
  - ii. Web applications (corresponding to the web bookmarks in the main window).
  - iii. Browse networks (corresponding to file bookmarks in the main window).
  - iv. Telnet/ssh servers (corresponding to telnet SSH bookmarks in the main window).

When you click on one of these items, a documentation pages is displayed in order to give you a detailed explanation on the options of the tools.

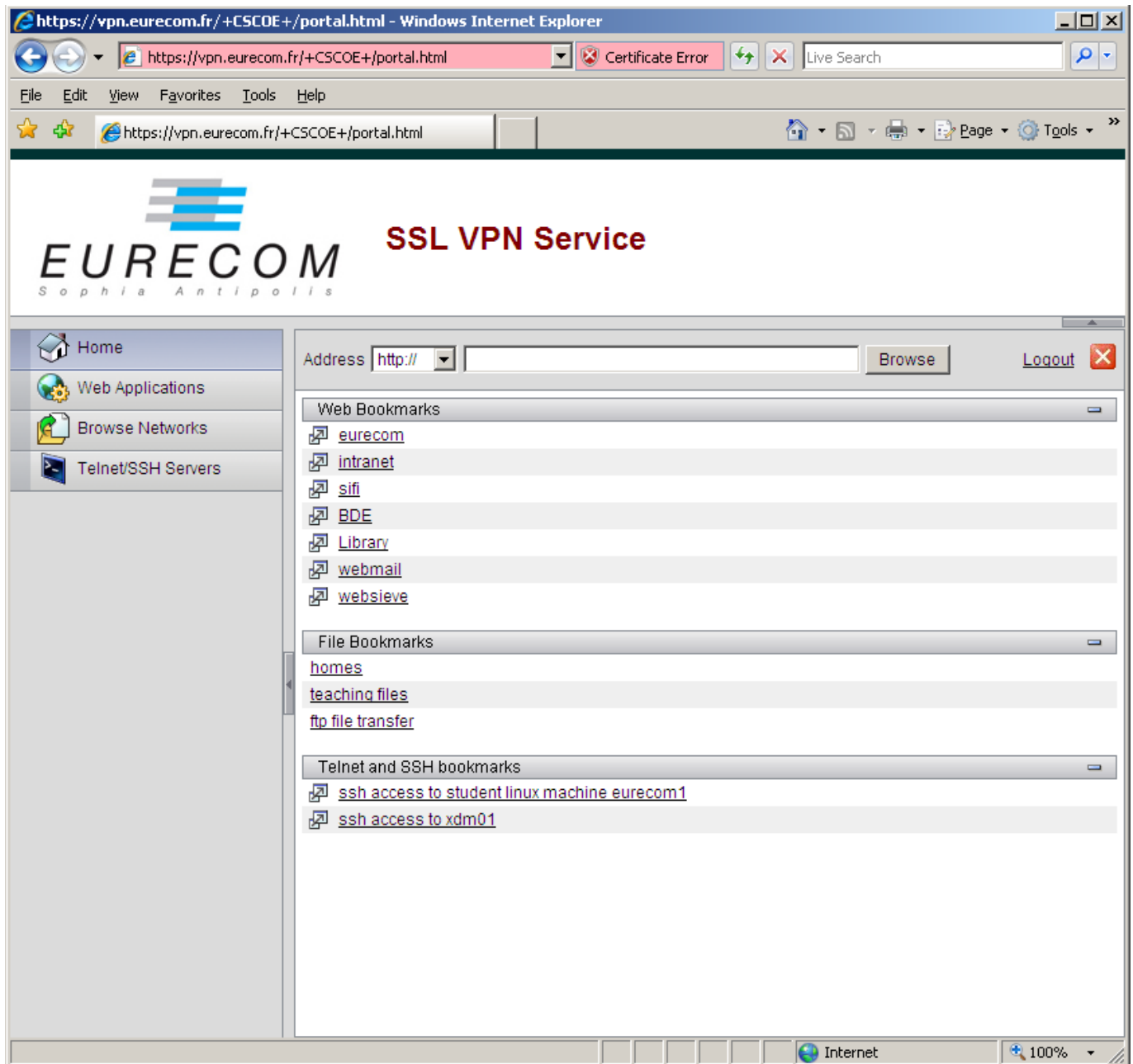
2. A main window where you can directly access all the applications available through the VPN using bookmarks. There are mainly three kind of applications :
  - i. Web bookmarks which give you access to the intranet, sifi, library etc...
  - ii. File Bookmarks allow you to browse your home dir, the teaching repository and the ftp repository.

You will note that the file browsing is easier using internet explorer since there is a “web folder” option that makes the application look like a standard explorer window.

- iii. Telnet and ssh bookmarks allow you to use a java based ssh client applet that you can use to remotely access specific Eurecom computers.

## *General usage*

The main page looks like:



Please note that once you connect to an application, you should always be able to get back to this screen by clicking on the “home” icon that appears at the upper right corner of the window.





If you select one Menu on the left, the portal will show you only application of the selected part, with a little help concerning the application usage.

## Web application

Home

Web Applications

Browse Networks

Telnet/SSH Servers

Address

Web Applications

- eurecom
- intranet
- sifi
- BDE
- Library
- webmail
- websieve

### Web Applications Requirements and Recommendations

Cookies and JavaScript must be enabled on your browser.

Your VPN session provides access only to the corporate resources that your administrator has previously configured for your use.

We recommend that you add the security appliance to the list of trusted sites, as follows:

1. Choose Internet Options. To do so, use either of the following methods:
  - o Choose Start > (Settings >) Control Panel > Internet Options.
  - o Open Internet Explorer and choose Tools > Internet Options.
2. Click the Security tab.
3. Click the Trusted sites icon, then click the Sites button below.
4. Using the https:// prefix, type the host name or IP address of the security appliance in Trusted Sites window. To maximize connectivity, use a wildcard such as https://\*.yourcompany.com
5. Click Add.
6. Click OK.
7. Click OK on the Security tab.

### To Access a Web Application

Use one of the following methods to access a web application:

- Click a link on the Home or Web Applications page.
- Enter the URL in the Address field in the page, select https:// or http://, and click Browse.

## Browse networks

Home

Web Applications

Browse Networks

Telnet/SSH Servers

Address

Browse Networks

[Browse Entire Network](#)

- homes
- teaching files
- ftp file transfer

### File Access Requirements and Recommendations

To access files in your network, your system administrator must assign permissions that grant you access.

Click the link to the destination you want to browse, then click through the hierarchy to the file you want to access. If the link to the destination is not present, you can:

1. Select cifs:// from the drop-down list next to the Address box.
2. In the Address box, enter one of the following
  - o Path to the file, using the universal naming convention (UNC) (for example, (\\computername\sharedfolder\resource).
  - o Full path to the file, using the hostname/share/resource format.
3. Click Browse.
4. Click through the hierarchy to the file you want to access.

## Telnet/SSH Servers

Address:

### Telnet/SSH Servers

- ssh access to student linux machine eurecom1
- ssh access to xdm01

### Telnet/SSH Servers Help

The Telnet/SSH Servers client provides any Sun Java 1.4+ equipped browser with access to corporate terminal servers.

#### How to Connect

To start a Telnet or SSH session:

- Do one of the following:
  - Click a link to the computer on this page to connect to the computer (assuming your system administrator added the link).
  - Choose the `ssh://` or `telnet://` option next to the Address field, enter the name of the host into the Address text box along with any optional parameters you want, then click **Browse**. See [Completing the Address Field](#) for parameter options.

A session window opens.

- Click into the session window before you start typing.

#### Completing the Address Field

The format of the text to enter into the address field to establish a Telnet or SSH session is:

```
server:port/?parameters
```

`server` is the only required attribute. Enter the name of the computer to which you want to establish the session. You can ask someone with physical access to the computer to go to the Start > (Settings >) Control Panel > Performance and Maintenance > System > Computer Name tab and read the value of "Full computer name" to you. The name is case-insensitive.

`port` is the virtual address within the remote computer hosting the service to which you want to connect. Entering the port number is optional. The default value is well-known port: 23 for Telnet, or 22 for SSH.

`parameters` is an optional query string consisting of parameter-value pairs. Type a question mark before entering the first parameter value pair. Use an equal sign to separate each parameter from the associated value. Separate each parameter-value pair that follows with an ampersand. The following syntax shows the position of these characters:

```
server:port/?Parameter1=value&Parameter2=value&Parameter3=value
```

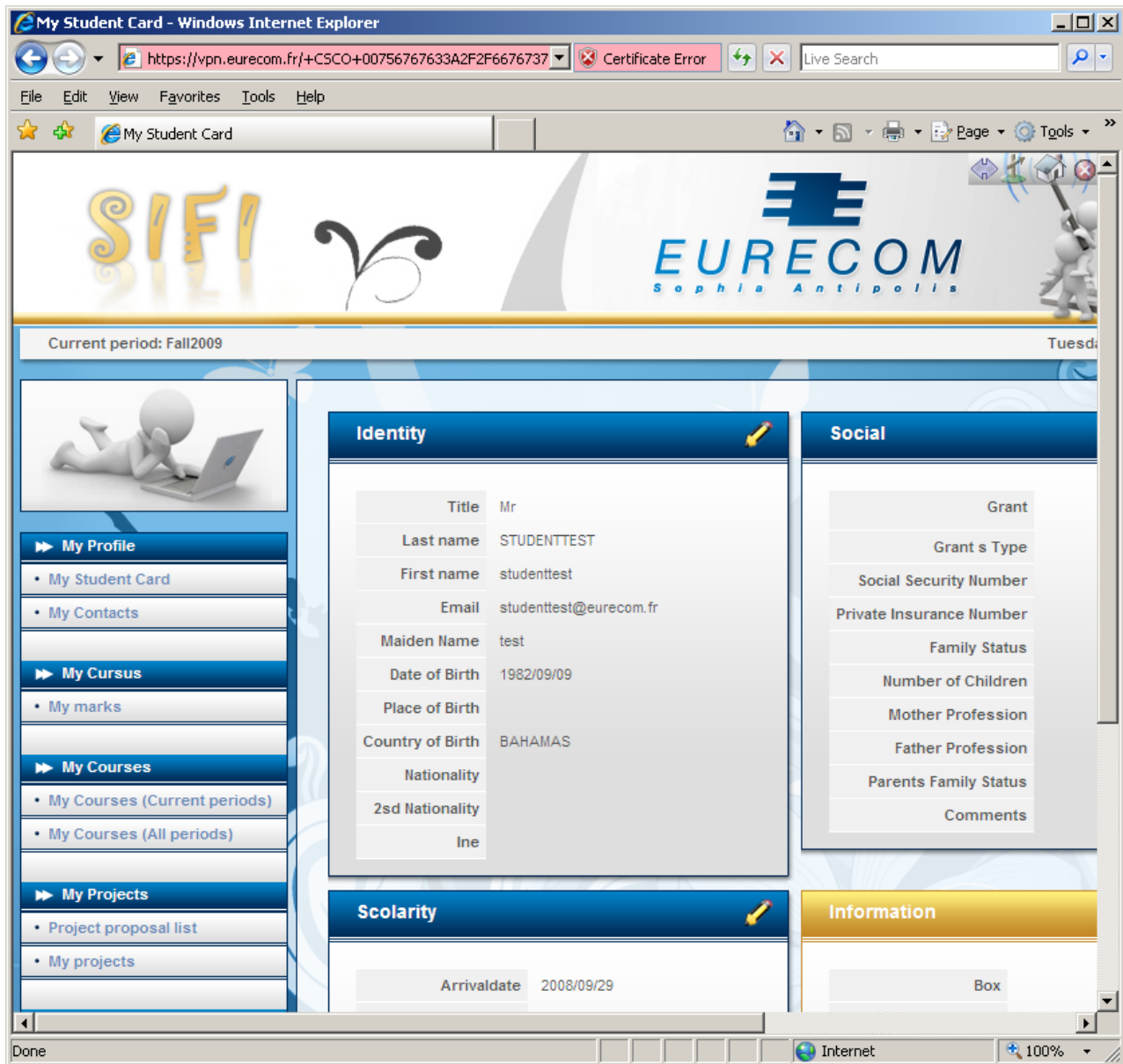
You may enter the following parameters in any order.

- Terminal.id** - Type of terminal. The possible values are: `xterm`, `vt100`, `vt220`, or `vt320`. The default value is `vt320`.
- Terminal.encoding** - Specify special character encoding, such as Japanese (i.e., SJIS) or Chinese. The default setting is `ISO8859_1`.
- Terminal.scrollBar** - Add a scroll bar. The possible values are `East` and `West`. Enter `none` to remove the scrollbar completely.
- Terminal.foreground** - Set the foreground color of the terminal. Enter the same 24 bit

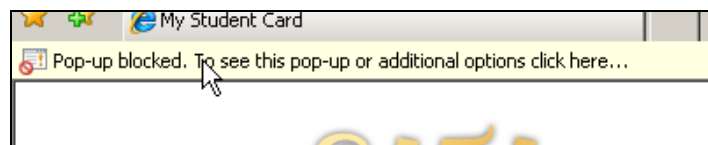
### Web application

To use a Web application: just click on it. It will be opened on the same window (use Home icon to go back to main portal page).

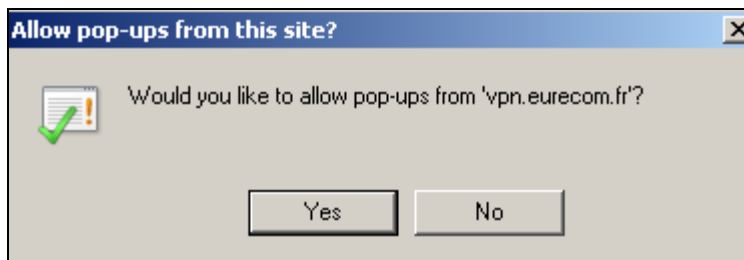
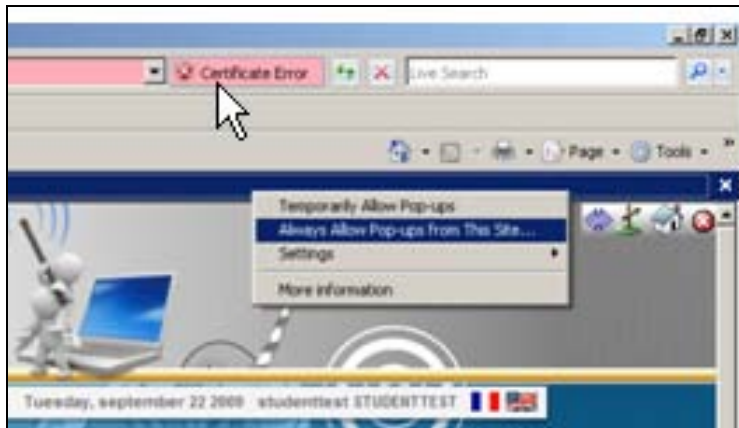
Example: the sifi page



Note that to be able to access some part of web applications, you must allow pop-ups:



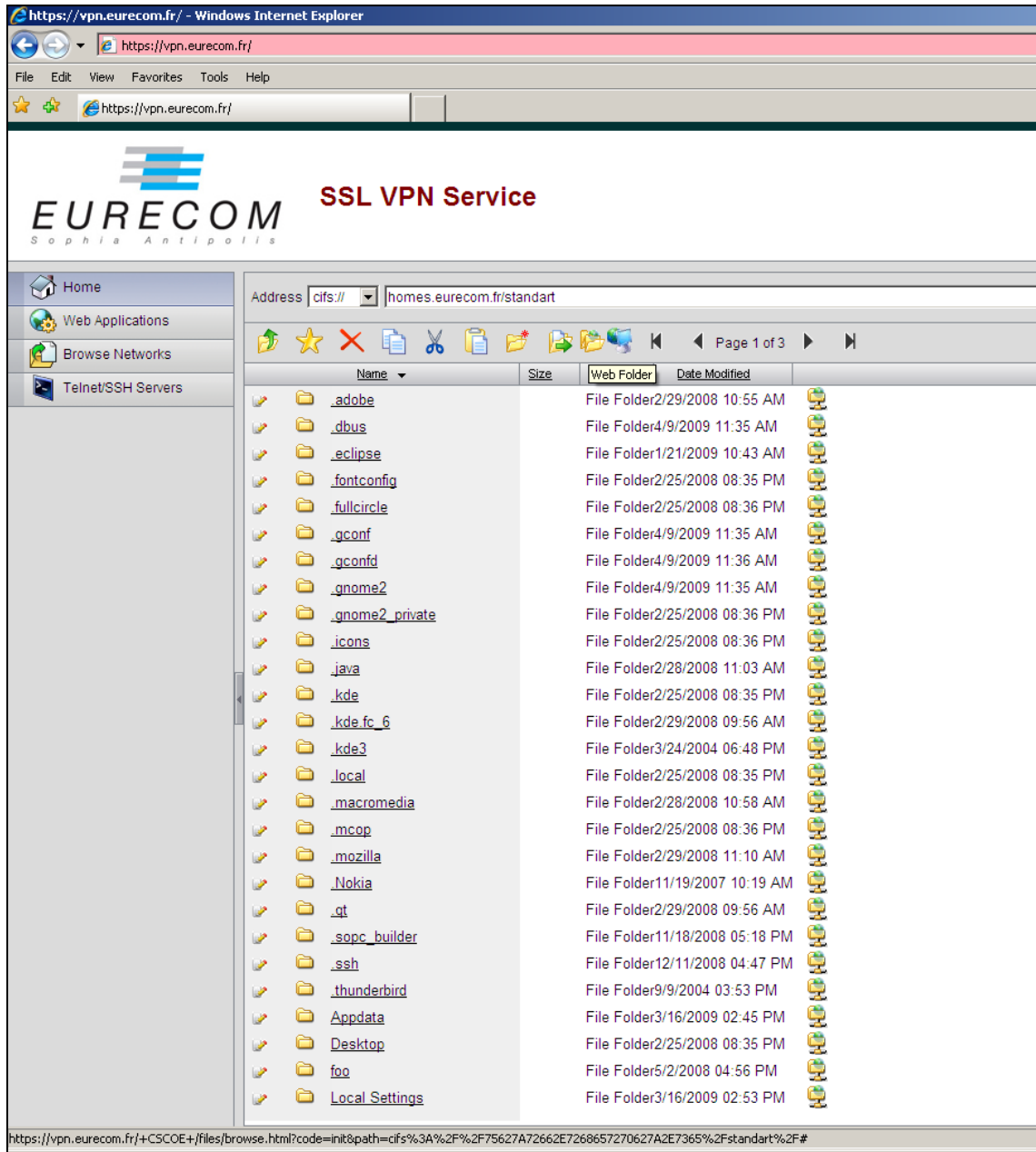
Just then allow Pop-ups and answer yes when prompted:



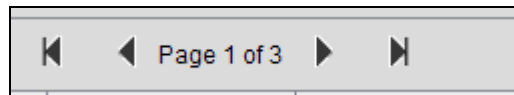
## ***Browse network***


Just select the directory you want to browse on the “Browse network” part of the portal.

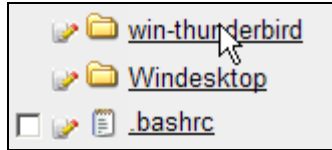
Files are then shown on the web page:



There are no more than 30 entries per page which means you have to navigate between pages to access other files:



The icon  on the left of each file/folder allows you to **rename** the corresponding entry:



Icons on the top represent all the possible action you can make on files/directories:



**Level up:** just go one level up in your directory hierarchy.



**Favorites:** go back to “browse network” main page.



**Delete:** select a file to be deleted and click this icon



**Copy:** select a file to be copied cut and click this icon



**Cut:** select a file to be cut and click this icon



**Paste:** go to the destination directory and the file you selected to be copied/cut will be paste



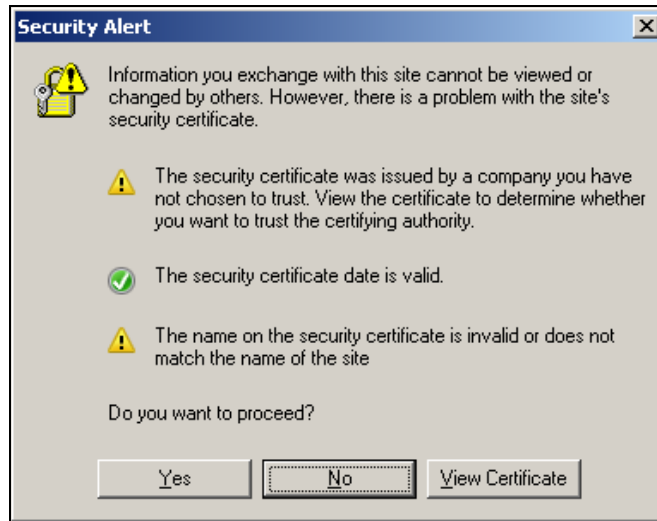
**New folder:** make a new folder into the current directory. You will be asked for the folder name



**Upload:** this is dedicated to transfer files from your current machine to the EURECOM file share. You will be asked to browse your machine to select the file to transfer. The destination folder of the file is the one you are browsing via “browse network”.

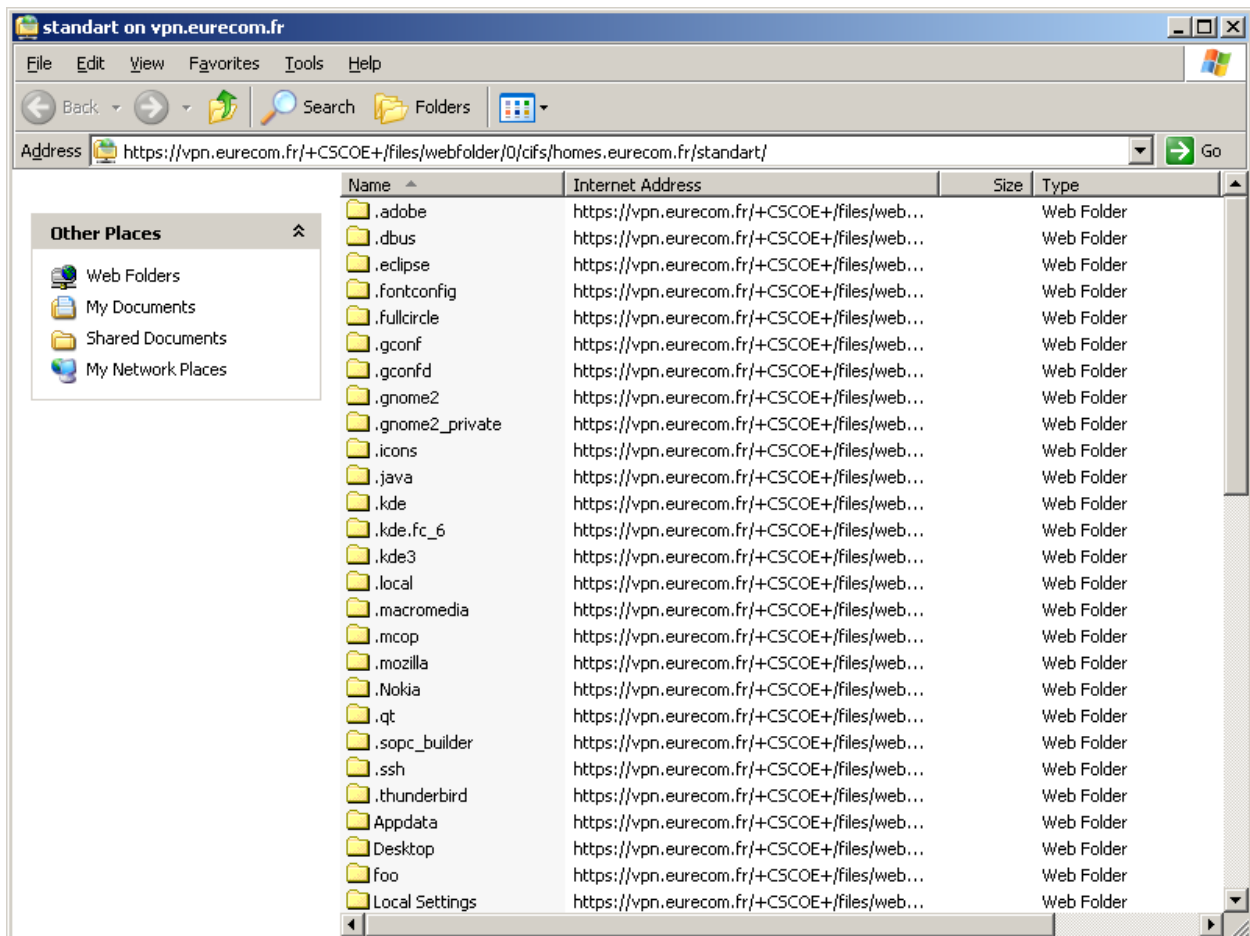


**Web browser:** only works with Internet Explorer under windows operation system (not for firefox or other browsers). This opens a window explorer window with your files. You must first allow the window:



**IMPORTANT NOTE:** Be careful that sometimes this window is on the background so you do not see it. Be aware also that there is a time out: if you are too long to press Yes, the Explorer window won't be opened: just reselect web browser.

Explorer window looks like a normal explorer one:



You can also open an Explorer page on a specific folder selecting the  icons on the right of its name:



This will open the corresponding folder into an explorer window.

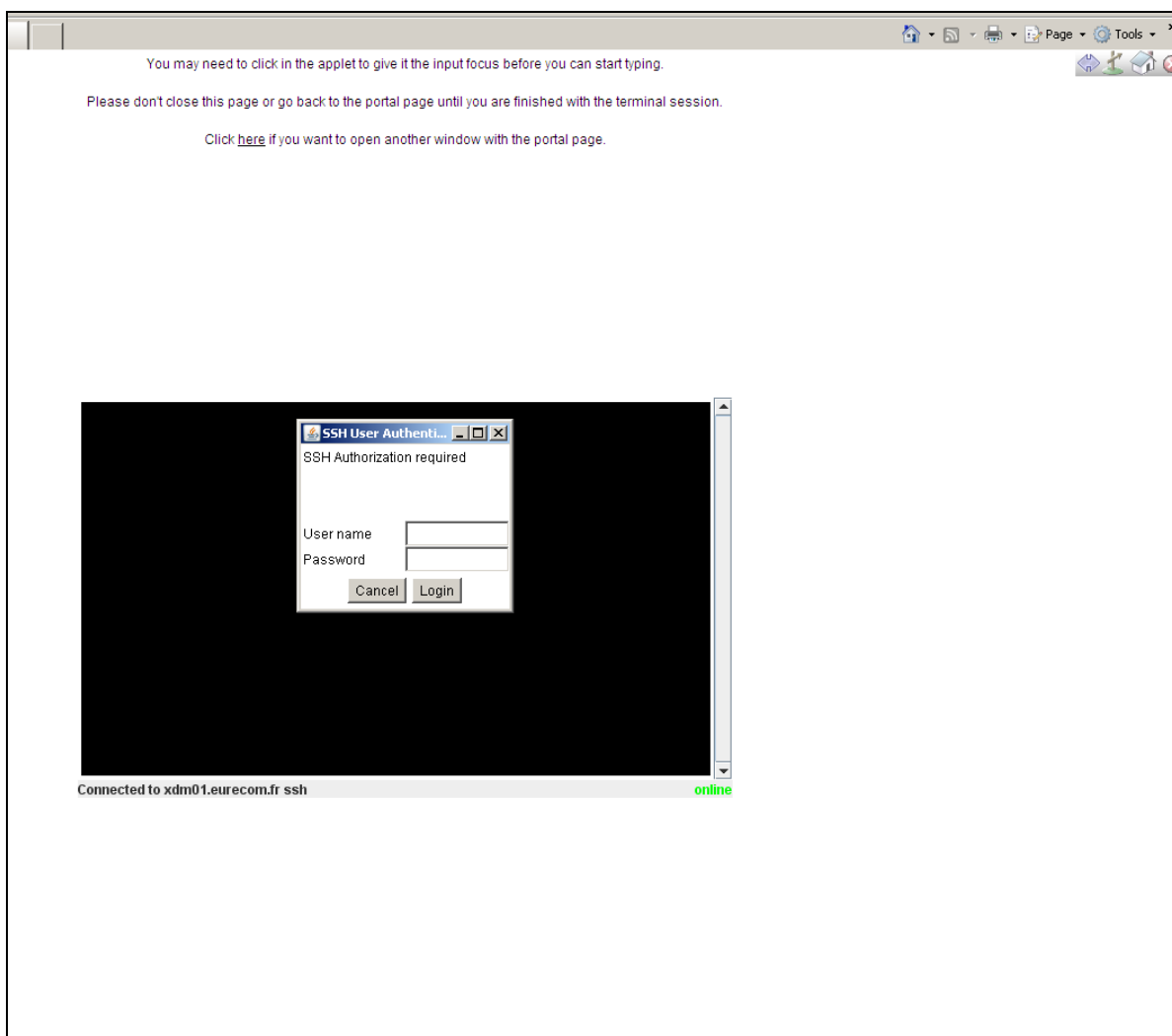


**Network:** not implemented

## ***Telnet/SSH Servers***

**IMPORTANT:** you must have Java available on your machine.



First select the machine you want to access. The window will appear in the web page:





Just logon with your usual Linux credential. Do not forget to logout at the end.

### ***How to Logout***

Just click to the  on the menu bar  or click on Logout on Home, Web applications, Browse network or Telnet/SSH Servers page.