EURECOM SSL VPN
User's guide

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Introduction

Eurecom offers the SSL VPN a solution for staff members and students to access internal resources from outside of Eurecom. Using the SSL VPN, you can access internal applications, using your own computer and internet connection. Main concerned resources and applications are:

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

To access internal resources, a user has to

- Connect to the VPN SSL portal main page (https://vpn.eurecom.fr)
- Authenticate itself
- Select the application he needs by just clicking on the VPN SLL web portal item.

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

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.

Login on the VPN

Some explanations about the RSA Passcode: In order to be able to connect to the internal applications of Eurecom you should logon on the SSL VPN using a RSA Passcode. A RSA passcode is composed of a secret that you should know (the pin code) and secret written on the RAS token that changes every minute. Your pin code is generated at your first login: 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 RSA token as passcode: the system will automatically give you your pin code and ask you to retype both (pin+token) in order to verify that you get it right. This process is described in the "First usage of RSA token" in the following chapter. Be careful to memorize your pin code since it is mandatory to logon (see logon process after).

- 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.
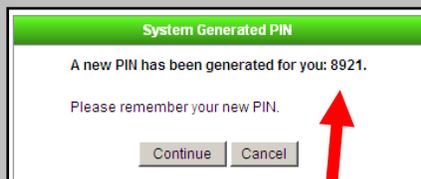
NOTE : First usage of RSA token

*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 "*Login on the VPN*" page 2.*

To obtain your RSA SecurID PIN code: just log you using as PASSCODE the 6 digits shown on your RSA token (*Be careful that nobody can see your screen and then acquire your code*)

1. go to https://vpn.eurecom.fr,
2. enter the four information :
   a. your population (EURECOM)
   b. your login
   c. your windows password
   d. Your RSA 6 digits code.

The system gives you your PIN code. **PLEASE REMEMBER YOUR PIN CODE**: write it in a safe place as a visa card pin code ☺ since the system will never show it again. If you lose it, you have to request the IT service to cancel it by sending an email to adminsecu@eurecom.fr. You will then have to redo the same "first usage" process.
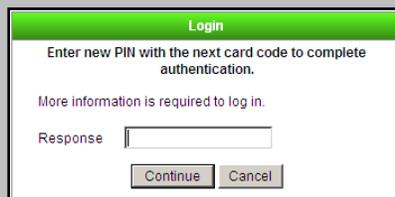
System Generated PIN
A new PIN has been generated for you: 8921.

Please remember your new PIN.

Continue | Cancel

After that, the system asks you for another authentication just to ensure you've remember your PIN code. You have to :
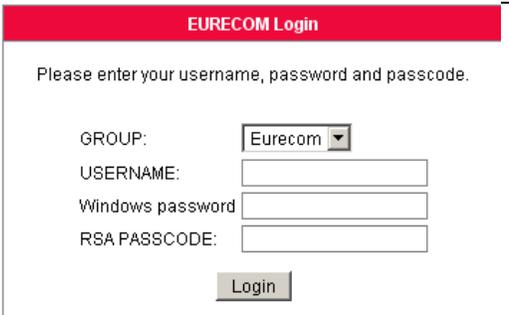
1. Wait until the 6 digits code on your token changes
2. Enter your complete 10 digits RSA PASSCODE :
   a. 4 digit "PIN code" just given
   b. 6 digit on your token

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

Login
Enter new PIN with the next card code to complete authentication.

More information is required to log in.

Response [   ]

Continue | Cancel

The logon process

Step 1	To get access to the VPN, Open a web browser and go to : **https://vpn.eurecom.fr** 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.*	
Step 2	enter the four information : 1. your population (Staff) 2. your eurecom login 2. your eurecom windows password 3. Your RSA 10 digits PASSCODE (*) *(*) Note that if it is the first time you are using your RSA token, you should only enter the 6 digits written on your RSA key in order to get you PIN code (follow the "First usage of RSA token" just bellow).*	
Step 3	Done ! Once you're authenticated, the SSL VPN is connected and you are connected to the **SSL web Portal**. *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.*	
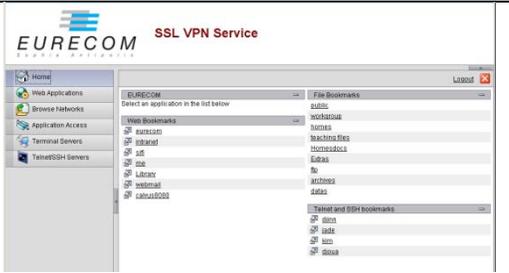
Logout from the VPN

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

Using the VPN (General overview)

The SSL web portal window 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.

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

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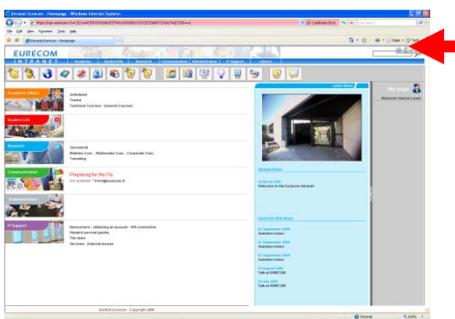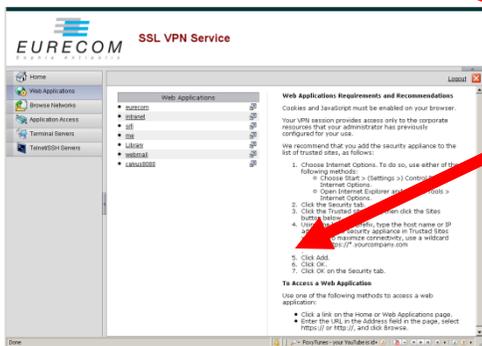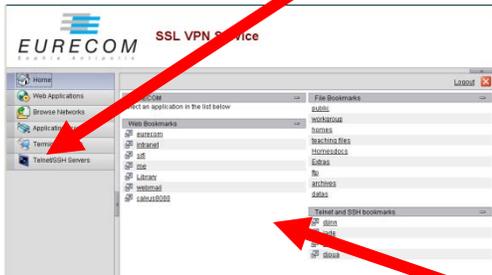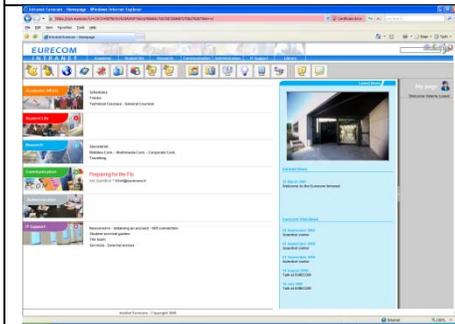
Using Web Applications in the VPN
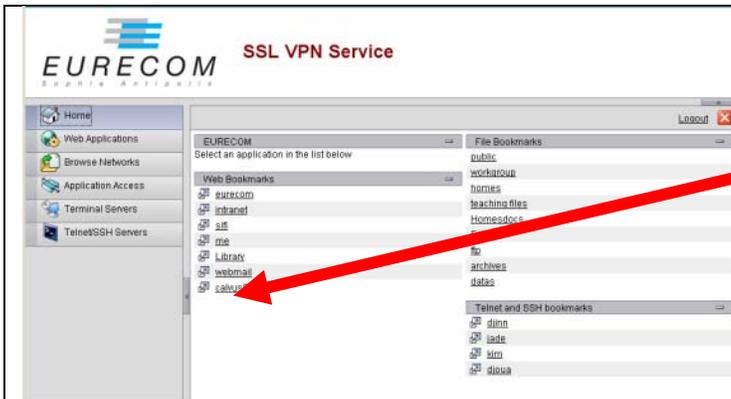
To use a Web application: just click on it. It will be opened on the same window (use Home icon to go back to main portal page).

Example: the intranet page

Done !

Note that to be able to access some part of web applications, you must allow pop-ups. In that case Internet Explorer notifies you of a problem in the alert bar.

You should allow Pop-ups (at least from this site) by clicking on the alert bar and

Answer yes when prompted.

Using CEGID Applications in the VPN (windows only)

CEGID is the ERP used at EURECOM to manage vacation, orders, inventory etc... Most of EURECOM users only use the "client absence" CEGID applications in order to fill a vacation application form. This chapter describes how to be able to use the ERP application from your own PC. This is only possible if your PC runs under Windows. Using CEGID from your PC requires you to first install the software (only the first time) and then runs it (for all the other uses), thus there are two cases:

First time use:
1.	(DOWNLOAD) You first have to download the CEGID application you want to use (for ex: Absence for vacation). Please note that you should first download the application on your PC (thus choose the save option) and then run it from your hard drive (step 2 to 5).
2.	(INSTALL) Open the VPN "Smart tunnel"
3.	You should then install the application you just download
4.	The installed application is automatically launched
5.	You have to enter your login and password as if you were at EURECOM (sorry: in that case your login and password are not cached). Be careful to select port 80 for server, and Windows NT authentication type and eurecom.fr as domain name (see after for more details).
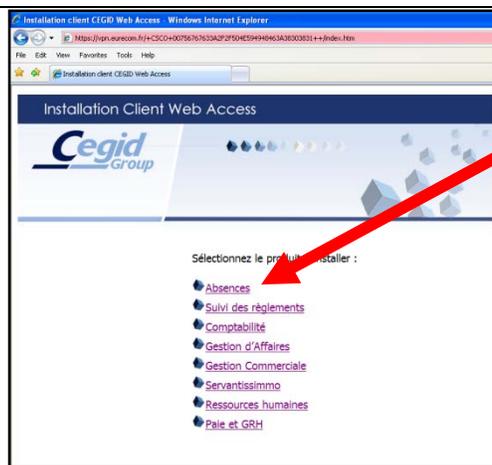
Next uses:
1.	Open the VPN "Smart tunnel"
2.	Run the installed application.
3.	Give your login and password (sorry : in that case your login and password are not cached)

Some explanations about the using CEGID applications: Basically since CEGID is a set of programs you should install the correct application on your own PC. For that purpose you should download, install and run the correct application ("Absence" is the vacation application). This is the purpose of the 'first time use' process. Of course the application should only be downloaded and installed once. In addition, in order to be able to contact the CEGID server, the application requires you to first "open" something called the "smart tunneling" feature. Thus every time you want to use a CEGID application you have to first "open" the smart tunneling and then to run the application as if you were in EURECOM.

Downloading CEGID Applications from the VPN

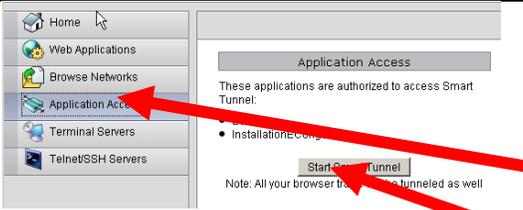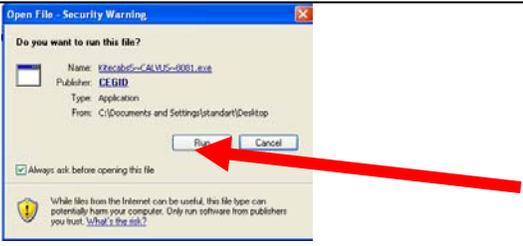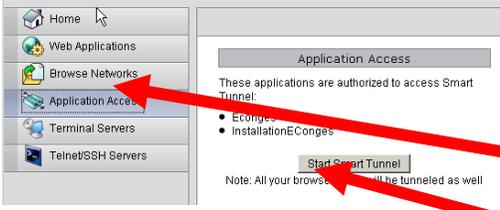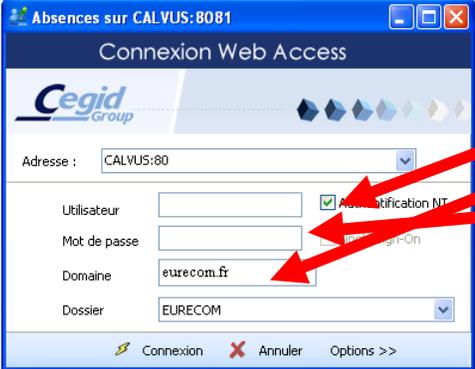|	
	Click on "calvus 8080" from web applications,
	The CEGID installation web pages is displayed, you should than select the application you want to download. Click on the application you want to download (ex : Abscence)
	Click on the **Save** button (do not click on run since it will not work) and choose a place to save the application program. Once downloaded you should install the application (see next paragraph).

Installing CEGID Applications on your PC

	The first thing to do before to install (or use) a CEGID application is to allow it to contact the CEGID server, this is done by enabling the "smart tunneling" feature, for that purpose click Smart Tunnel in "Application access" part of the portal and then click on the "start Smart tunnel" button
	Double click on the program you just downloaded (as explained in the previous paragraph) in order to install the application, for example, Kitecabs5~CALVUS~8081.exe for EConges installation. Click on the "run" button in order to allow the installation to proceed.

	At the end of the installation, this popup appears, this means that the installation succeeded and that the application is now launched.
	 Important : you have to change
	     CALVUS:8081
	 Into
	     CALVUS:80
	 And then click on Connexion
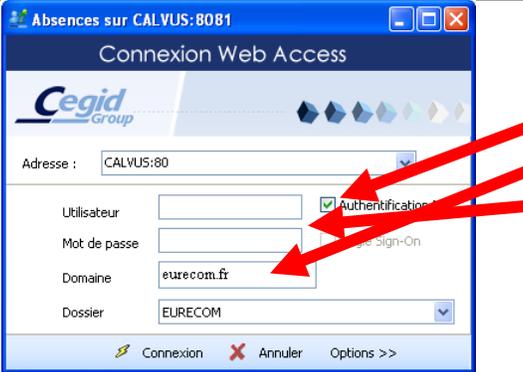
	The application login page is displayed, you should now : 1. Check the " Authentification NT" box, 2. Enter eurecom.fr in the field Domaine 3. You can then logon to "Absences" application as usual, entering your Eurecom login and window password.

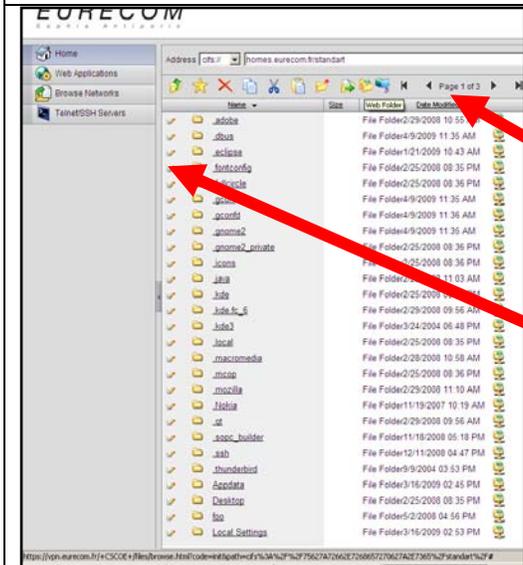# Using the CEGID Applications through the VPN

As explained in the previous paragraph, the first thing to do before to use a CEGID application is to allow it to contact the CEGID server, this is done by enabling the "smart tunneling" feature, for that purpose

click Smart Tunnel in "Application access" part of the portal

and then click on the "start Smart tunnel" button

You should then the run the application that you have previously downloaded and installed by choosing it from the start->programs" program list.

The application is now launched.
Important : you have to change
    CALVUS:8081
Into
    CALVUS:80
And then click on Connexion

The application login page is displayed, you should now :

1.   Check the " Authentification NT" box,
2.   Enter eurecom.fr in the field Domaine
3.   You can then logon to "Absences" application as usual, entering your Eurecom login and window password.

Browsing Folders

	A set of folders have been made available remotely from the VPN. Basically, your homedir (homes) and the workgroup, public and other share folders are available Just select the folder you want to browse from the "file bookmark" of the portal of from the "Browse network" part of the portal.
	Files are then shown on the web page. The display is limited to 30 entries per page, thus 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 in the tool bar on the top represent all the actions you can make on files/directories, see bellow :

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. **SEE "Using the Web Browser" bellow**.

Network: not implemented

Using the Web Browser for folders

The "web browser" tool is a convenient way for navigating in folders. Using the "web browser" the user has the feeling to browse a local folder using the windows explorer. This feature is only available if you are using Internet Explorer under the windows operating system. There are two ways for activating "web browser":
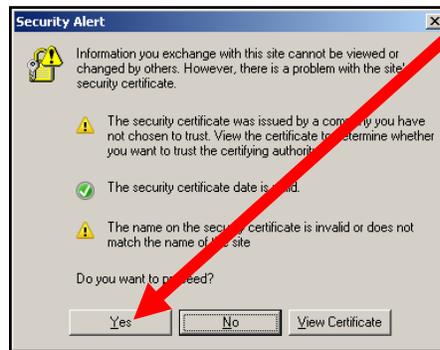
1. You can click on the ![icon] icon of the tool bar and thus activate the feature for the current folder.

2. You can click on the ![icon] icon on the right of the folders in the list view and thus activating the feature for the corresponding subfolder.

win-thunderbird   File Folder9/23/2004 04:04 PM
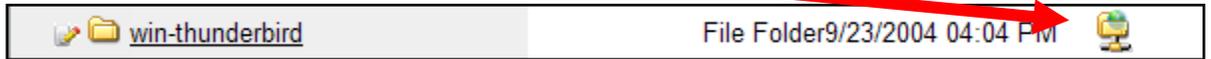
When activating THE web browser, a security alert is raised, you should accept it:

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.
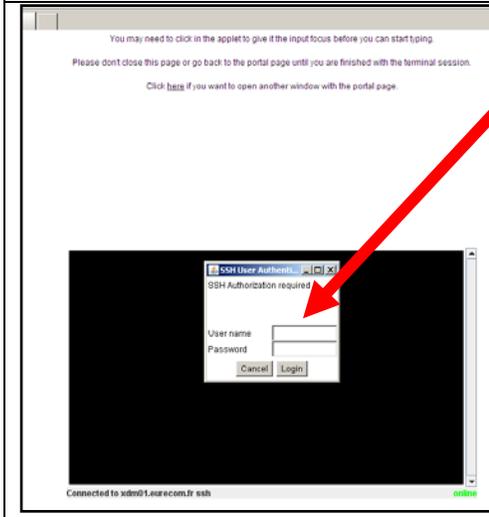The web browser explorer window looks like a normal explorer one:
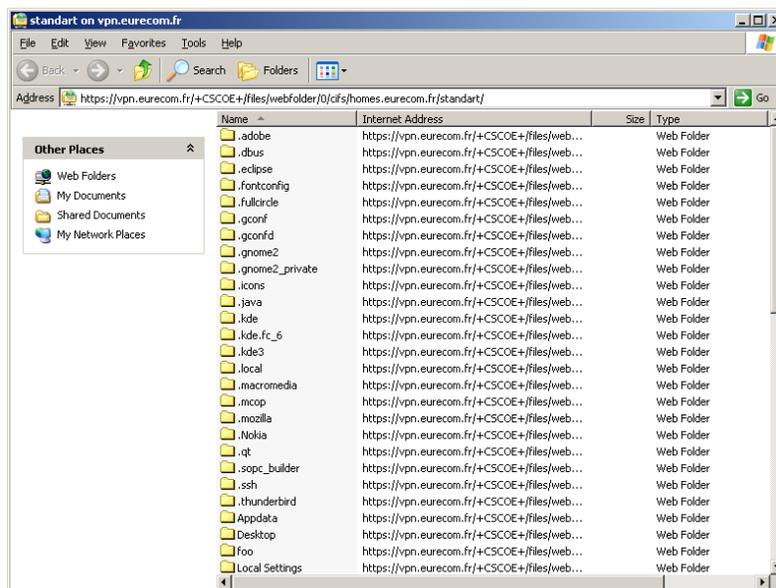
Using the Telnet/SSH built in client

	This tool is available in order to help you to access a linux computer using a ssh command prompt. It is client less but not very handy. It can help you to solve a problem under linux. First select the machine you want to access (four computer have been made available). **IMPORTANT:** you must have Java available on your machine.
	The window will appear in the web page Just logon with your usual Linux credential. Do not forget to logout at the end.