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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 SSL web portal item.

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

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 software 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. Use Internet Explorer or Firefox (some access may not work with others like Chrome)
5. 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 software token**

To be able to connect you may have a SecurId software token (see Software token user’s guide for more information).

To connect:

1. Open the software token application on the device where your own token is installed
2. Enter your PIN code into it
3. Enter as PASSCODE the 8 digits code displayed on your software

When you use RSA token for the first time, as you do not have your pin code yet : goto https://token.eurecom.fr to initialize it. If you’ve forgotten it, you can also ask for a new one using troubleshooting option on this site.

**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.

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**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 9.

To obtain your RSA SecurID PIN code: just log you to https://token.eurecom.fr using as Password your windows password in EURECOM domain, and require for a PIN.

![RSA Self-Service Console](image)

**go to** [https://token.eurecom.fr](https://token.eurecom.fr)

**enter your User ID which is your EURECOM loginnname (without @eurecom.fr)**
Choose password

Enter your EURECOM windows password (into EURECOM domain)
Using the server for the first time, you’ve got to choose/answer 5 “security” questions. It is important to choose questions that you can answer without doubts, because the later on, when you will try to connect to it (for example for troubleshooting purposes), the server may ask some of these questions in order to verify that it is really you...
Click on the “Create PIN” link

The welcome page of token.eurecom.fr should indicate you if you’ve got a token without any PIN code: click on « create PIN » : the system generates a personal PIN code you’ll need to enter each time you want to use your token (DO NOT FORGET IT):

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 can ask for a new one (see How to troubleshoot your RSA software token)

**How to troubleshoot your RSA software token**

The troubleshooting site

In addition to give you your PIN code, the web site https://token.eurecom.fr is dedicated to self-service tools for RSA tokens. It allows to initialize or re initialize your personal PIN code, unblock resources access when you’ve forgotten or lost your token … . You first have to login as in the previous step (using EURECOM login and windows password)
Once logged on, you can access to tools made to unblock your external access authenticated by RSA. For that purpose you have to click on “troubleshoot” on your software token:

You then have two options:

- I forgot my PIN code will allow you to generate a new PIN code.
- I don’t have my token will give you a temporary “emergency token” which will have a limited validity (generally one day).
Reset my PIN code

Just click on the “I forgot my PIN” in the previous “troubleshoot your token” screen and click on “create PIN”:

I don’t have my token with me

Just click on “Token is temporarily unavailable or misplaced”. The system generates a temporary “Emergency Access Tokencode” to use instead of your token code. To use it, enter as passcode your PIN code FOLLOWED by this special “Emergency Access Tokencode”:

Passcode = Pincode + “Emergency Access Tokencode”

Connection process

Open a web browser and go to

EURECOM SSI VPN user’s guide
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 computed by your RSA software token
  - Launch RSA software on the device you’ve chosen
  - Enter your PIN code
Enter as passcode the 8 digits displayed on the software token

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

NOTE: sometimes you are required to enter the Next Token code: just wait the computed passcode changes on your RSA Software token and enter the new one.

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.
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

![Intranet page screenshot]

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.

![Pop-up blocked alert]

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

![Pop-up permission dialog]

![Allow pop-ups from this site dialog]
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:81 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 of the tool bar and thus activate the feature for the current folder.

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

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.