DEEC (English)

- Microsoft Imagine
- Microsoft Office 365 Education
- Software JMP
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- Desktop Virtualization (VDS) @ LAI3
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- Printing & Copies
  - Printing and Copies
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- Wi-Fi
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  - Setup DEEC Wi-Fi in MacOS

- VPN
  - VPN Client for students - Windows
  - DEEC VPN Client - Windows
  - VPN Client for teachers and researchers - Ubuntu
  - VPN Client for teachers and researchers - Android

- VPN Client for teachers and researchers - iOS

E-mail

E-mail Client configuration

The generic parameters for configuring e-mail addresses with domain **@deec.uc.pt** are as follows

Incoming settings

Protocol	IMAP
Server Name	imap.deec.uc.pt
Security	TLS (SSL in case of Outlook)
Port	993
Authentication Method	*Password* (normal)
User	<your username> (for example, jferreira)
Password	<your password>

The domain has auto configuration enable through Mozilla Thunderbird and Microsoft Outlook, if you use one of these, the settings will come up automatically, simply by entering the email address and password.

Outgoing settings

Protocol	SMTP
Server Name	smtp.deec.uc.pt
Security	TLS (SSL in case of Outlook)
Port	587
Authentication Method	*Password* (normal)
User	<your username> (for example, jferreira)
Password	<your password>

Webmail

You can access DEEC's webmail through https://webmail.deec.uc.pt

E-mail

Webmail

The webmail system is based on Zimbra, that has the following features:

- Self organizing folders
- Fast, advanced (in messages and attachments), writable, multi-folder searches
- Conversation view with multi-folder support
- Filters
- Full calendar
- Rich Web interface, multi-platform - browser and operating system
- Ubiquitous Access - Anywhere, Any Device
- Secure attachment access with no need for additional software
- Collaborative system based on modern technologies

You can access DEEC's webmail through https://webmail.deec.uc.pt

E-mail

Email Lists

DEEC has a mailing list system, allowing you to quickly contact all your services and groups.

Technically, lists are supported by the software Mailman and/or by the system Zimbra. For this reason, some lists have a moderation system, to reduce the spam sent to them, and the delivery of messages may be deferred.

See the list below for detailed information.

DEEC

List	Recipients
All Users DEEC allusers@deec.uc.pt	All students, faculty and non-faculty collaborators in the department
Students alunos@deec.uc.pt	Actual Students of DEEC
DEEC Copy Center *centrodecopias@deec.uc.pt*	DEEC Copy Center
Casa *casa@deec.uc.pt*	Maria João
Non-Teaching Contributors naodocentes@deec.uc.pt	Non-Teaching Contributors
Scientific Commission cientifica@deec.uc.pt	Scientific Commission
Management *direccao@deec.uc.pt*	Members of DEEC Management
Teachers docentes@deec.uc.pt	DEEC Internal Teaching Collaborators
Teachers | Others docentes.outros@deec.uc.pt	Other Teaching Collaborators
Teachers | All docentes.todos@deec.uc.pt	Teaching Collaborators (Internal and Other)

Erasmus *erasmus@deec.uc.pt*	DEEC interlocutors by Erasmus
IT informatica@deec.uc.pt	Computer Network Management (Streamline)
Helpdesk IT *helpdesk@deec.uc.pt*	Computer Network Management (Streamline)
Info DEEC *info@deec.uc.pt*	Secretariat, Management
Labs laboratorios@deec.uc.pt	Maria João Cavaleiro, Fábio Faria
Maintenance manutencao@deec.uc.pt	Carlos Coelho, Augusto Figueiredo
Secretariat secretaria@deec.uc.pt	Maria da Conceição Pereira, Ana Bernardes
Financial Services *financeiros@deec.uc.pt* *aprovisionamento@deec.uc.pt*	Aurora Gaspar

Unidades de I&D

Instituto de Engenharia de Sistemas e Computadores (Coimbra)

Lista	**Destinatários**
All Users INESC Coimbra geral@inescc.pt	All members of the Instituto de Engenharia de Sistemas e Computadores de Coimbra

Instituto de Sistemas e Robótica (Coimbra)

Lista	**Destinatários**
All Users ISR Coimbra *allusers@isr.uc.pt*	All members of the Instituto de Sistemas e Robótica (Pólo de Coimbra)

Instituto de Telecomunicações (Coimbra)

Lista	**Destinatários**

All Users IT Coimbra ***allusers@co.it.pt***	All members of the Telecommunications Institute (Coimbra Pole)
Doctorates ***doutorados@co.it.pt***	Doctorates of the Instituto de Telecomunicações (All Poles)
Doctorates de Coimbra ***doutorados_co@co.it.pt***	Doctorates of the Instituto de Telecomunicações (Coimbra)
Doctorates de Covilhã ***doutorados_cv@co.it.pt***	Doctorates of the Instituto de Telecomunicações (Covilhã)
Doctorates de Leiria ***doutorados_lr@co.it.pt***	Doctorates of the Instituto de Telecomunicações (Leiria)
Administrative Services (Coimbra Pole) ***serv.adm@co.it.pt***	Liliana Garanito, Henrique Silva, Vitor Silva

E-mail

Mailing list management in Zimbra

If your email system administrator grants you mailing list management rights, you can manage your own mailing list management on the Zimbra system, available through the web interface at https://webmail.deec.uc.pt.

To do this, simply go to Tab “Contacts”> “Contact Lists”> “Distribution Lists”.

In this area, you have a list of the distribution lists where it is inserted. If you are the owner of any of the lists, you will be notified that "You are an owner of this list."

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You will then be allowed to make the following changes to the email list in question:

- Add and remove members;
- Change the title of the list;
- Choose whether the list should be visible or hidden in the global address book;
- List post or subscription permissions;

E-mail

General Description of the E-mail Service

DEEC provides all users - students, teaching staff and non-teaching staff - with an e-mail account.

The e-mail system is based on the Zimbra system, which has the following features:

- Freedom of customer choice
  - Browser – Client Zimbra AJAX
  - Cliente PC – Outlook (Online, Offline, Cached Mode), Apple Mail and iCal, Eudora, Evolution, Thunderbird/Sunbird, RSS, etc.
- Self-organizing folders
- Fast, advanced (in messages and attachments), recordable, multi-folder searches
- Conversation view with multi-folder support
- Filters
- Full schedule
- Rich cross-platform web interface - browser and operating system
- Ubiquitous access - anywhere, any device
- Secure access to attachments without the need for additional software
- Collaborative system based on modern technologies

The domains of the different types of users are as follows:

- Teaching and Non-Teaching Collaborators: @ deec.uc.pt

Hardware

Hardware

Computer Labs

DEEC has a set of didactic laboratories, prepared with a set of workstations to support teaching activities, connected to the local network.

Computers, as an essential support tool, are equipped with the necessary software for the different subjects taught.

To this end, there are 8 laboratories, equipped with a total of 133 workstations, installed with Windows and / or Linux operating system, distributed as follows:

Initials	Laboratory	Nº of computers
LAI 1	Laboratório de Apoio Informático 1	20
LAI 2	Laboratório de Apoio Informático 2	20
LAI 3	Laboratório de Apoio Informático 3	30
LMI	Laboratório de Medidas e Instrumentação	12
LSD	Laboratório de Sistemas Digitais	15
LSRC	Laboratório de Sistemas e Redes de Computadores	20
LT	Laboratório de Telecomunicações	5
LH	Laboratório de Hiperfrequências	5

Teachers may request the installation of additional software at any time through the helpdesk@deec.uc.pt service. At the beginning of each semester, requests must be made in advance, as these are times with high requests.

Hardware

Datacenter

A Data Processing Center, or Datacenter, is where an organization's data processing and storage equipment is concentrated.

They are usually designed to be secure and house servers and databases and file storage, processing large amounts of information.

In 2008, DEEC invested in the creation of a new Datacenter to improve the operating conditions of its information systems.

The Datacenter was designed from the ground up, consisting of several technical components:

- Power (including redundant power systems)
- Climatization
- Connectivity (Network)
- Servers
- Storage Systems

All of these components are mounted in a room protected against unauthorized access, with electrical and data cable routing mechanisms, metal enclosures (racks) where equipment is mounted and a fully controlled environment.

The climate control system is composed of a double redundant precision air conditioning system with constant monitoring, keeping the temperature constant and cooling the equipment. It has fault control and switching systems to extend their life, as well as to avoid problems in the event of individual component failure.

The power supply, in addition to operator power, uses large, rack-mounted uninterruptible power supplies (UPS) to keep equipment powered on even in the event of a power failure. Active equipment (servers, switches, etc.) is also purchased from redundant sources to guarantee alternative power supply paths in the event of individual component failure.

The Datacenter currently has the following approximate specifications:

- 27 power supply circuits, totaling a maximum of 100A;
- 8 UPS with total capacity exceeding 20,000VA;
- 2 air conditioning systems with a total of 40,000 BTU;
- 8 switches, providing a total of 216 ports, with individual speeds of 1Gbps and 10Gbps in copper and fiber optic technology;
- Connection to 8 existing floor racks in the fiber optic building, with reductive paths;
- External fiber optic connection with a cumulative total of 10Gbps bandwidth;
- 55 physical servers;
- 43 virtual servers running on 4 hypervisors over SSD shared storage;
- More than 150 CPU cores and 1TB more RAM distributed across different servers;

- Total gross storage capacity greater than 24 TB on 2 storage systems;

Network & Connectivity

Network & Connectivity

Network Usage Policy

In order to use the computer resources available at FCTUC's Department of Electrical and Computer Engineering (DEEC), you must know the network usage policy presented on this page.

These standards are in place to ensure the correct availability of resources for all users, protecting them from any problems caused by misuse of resources.

A) Users Rights and Duties

1. The accounts assigned to users are owned by DEEC;
2. Only students and collaborators of the University of Coimbra will be able to use one account;
3. Users are aware that their account is personal and cannot assign its use to third parties;
4. The user is responsible for servicing the machines, terminals and other network equipment they use;
5. The user is aware of the Computer Crime Law No. 109/91 published on 17 August 1991 which includes, among others, the following offenses:
   - Tampering or sabotaging of data, programs or computer systems;
   - Unauthorized access to computer networks and systems;
   - Illegitimate interception of programs and / or data;
   - Illegitimate reproduction and dissemination of programs;
   - That any attempted infringement, even if not consummated, is equally punishable by law;

B) Terms of Use

1. The use of other users' password interception software is prohibited;
2. You are prohibited from accessing or attempting to access other users' accounts;
3. The installation of software on the Department's equipment is prohibited, as well as the configuration / reconfiguration of external or internal equipment, without prior knowledge of the Computer Network Management Office (GRI);
4. It is forbidden to change the physical characteristics of the Department's equipment, as well as to change its location without prior knowledge of the GRI;
5. It is forbidden to use programs that result in DoS (Denial of Service) and consequent interruptions of services in the network;
6. The dissemination of any and all illicit content (including games, software and music, advertising, pornography, copyrighted content, viruses / worms, etc.) is prohibited through the use of DEEC accounts and / or the Department's network;
7. The use of P2P (peer-to-peer) software is prohibited;

8. It is the responsibility of users to ensure that their account is not used by third parties, so you should take steps such as logging out whenever you are away from a device, using a secure password, changing your password regularly and not transmitting it to you. the 3rd;

C) Good Network Usage Practices

1. The user should avoid reaching the quota limits assigned in each system, making a good management of the contents of the account and its email;
2. The user should avoid spreading large files to a large group of users;
3. You should avoid using bandwidth-intensive software at peak times that may interfere with network performance and operation. In such situations, the GRI reserves the right to terminate ongoing proceedings without prior notice;
4. The user should avoid that his account is a means of spreading any and all spam;
5. The user should avoid using the DEEC account to register on websites that do not have an academic and / or professional purpose;

D) Sanctions

Users who fail to comply with the provisions set forth in the network usage policy will be subject to internal sanctions, in addition to the punishments contained in current legislation:

1. Temporary suspension of the user account if misuse occurs;
2. User account cancellation in cases of extreme severity;
3. Communication to the competent authorities of situations that result in the commission of a crime;

E) Usage Control

1. Verification of the correct use of resources and compliance with all the above indications is the responsibility of the GRI, which should be contacted if in doubt.

Voice (IP)

Voice over IP Service

DEEC has a voice over IP infrastructure that has replaced the previous analog voice infrastructure. This service is integrated in the infrastructure of the University of Coimbra, making it possible to make internal calls between buildings and departments within it.
The prefix for DEEC is 42. Thus, all previous local extensions of DEEC went from the previous 4 digits to 6. For example, the old extension 1245 in the VoIP system becomes 421245.
You can always check the phone book at:

http://web.deec.uc.pt/telefones

Equipment

The installed terminal equipments are all SNOM 300 / SNOM 710 and have a set of modern features for user comfort:

- Call Forward
- Two input lines
- Two output lines
- Caller ID
- Address Book
- Free hands
- Best sound quality
- Ringtone Customization
- Outgoing Call Log
- Missed Call Log
- Call Rejection
- Conferences

Call Costs

Zone	Cost (euro) / minute
Fixo Local	0,0070
Fixo Nacional	0,0070
Prefixo “96”	0,0200
Prefixo “922”	0,0200
Prefixo “924”	0,0200
Prefixo “925”	0,0200

Prefixo “926”	0,0200
Prefixo “927”	0,0200
Prefixo “91”	0,0280
Prefixo “921”	0,0280
Prefixo “929”	0,0280
Prefixo “93”	0,0300
Fixo-móvel nacional 31	0,0450
Nómada	0,0070
Fixo Espanha	0,0145
Fixo Europa Zona 18	0,0121
Fixo Restante Europa	0,0290
Fixo EUA e Canadá	0,0121
Fixo Brasil e Venezuela	0,0218
Fixo Restante América	0,1557
Fixo Marrocos	0,0192
Fixo África Zona 115	0,1090
Fixo Restante África	0,1557
Fixo Austrália	0,0178
Fixo Resto do Mundo	0,1175
Móvel Europa Zona 120	0,0560
Móvel Restante Europa	0,0970
Móvel EUA, Canadá, Brazil e Venezuela	0,1570
Móvel Restante América	0,1420
Móvel África Zona 125	0,1220
Móvel Restante África	0,2236
Móvel Austrália	0,1126
Móvel Resto do Mundo	0,1175
Satélite	1,9989

Date: 4/4/2012 (Valid until 2015, subject to annual review)

- Guia Rápido - Snom 710_final.pdf
- UM_snom3xx_V2.2_en.pdf

Network Time Protocol (NTP)

The NTP service is intended to synchronize the time between the various network devices. The Computer Network Management (GRI) office maintains a time reference (ntp.deec.uc.pt), synchronized with the central time servers of the University of Coimbra and other higher level references. The devices you want can sync with this local reference to keep your watch constantly updated and in sync.

To access the service, users must configure the device's NTP client by pointing to the ntp.deec.uc.pt (or 193.136.205.254) server.

Security

Security

Authentication and Account Password

DEEC has a centralized authentication system, that is, a unique identification system, which allows all its users to access the various informed services, using the same authentication credentials - the same username and password.

Data or degree of criticality of this keyword, which allows access to multiple computer services, were used according to the following rules:

- A keyword must have at least eight characters and three different variants (uppercase, lowercase, numbers and punctuation);
- The password must be renewed periodically by the user;

You can change your password at https://password.deec.uc.pt

Security

Department access

Access after hours
Access to the Department, outside normal operating hours, is done through a biometric system.

The following groups may require this type of access:
- Master's thesis students;
- Erasmus students;
- graduate students;
- PhD students;
- DEEC-based student organizations (NEEC, BEST,?);
- students representing the respective course with the Coordinator;
- researchers;
- employees;
- student-researchers;
- others on reasoned request;
- internal and external teachers.

Procedure:

1º) Access the form through the following address;
2º) Fill it in according to the instructions;
3º) Wait for a reply via e-mail, where you will be contacted to go to the Computer Network Office, in case I do not have access registration in the department yet.

Services

Services

My DEEC

The My Deec platform is an evolutionary information system, with internal support for the department's activities, accessible by students, teaching and non-teaching staff, comprising the following major areas of functionality (available depending on the privileges of each user):

- Academics
- Documentation Archive
- Contacts
- Building
- Image & Communication
- Computing
- Inventory
- Organic
- Secretariat

You can access this system through the address (URL):

https://my.deec.uc.pt

The login on the system is the e-mail address and the password is the one used on the respective e-mail account.

Services

Personal Page Hosting Service

DEEC provides its employees with a service for the publication of personal web pages, for their enjoyment. This service is available through the URL http://home.deec.uc.pt/~username.

The materials hosted through this service are the responsibility of each user and reflect their individual vision. The information published does not represent the opinion or policy of the Department, Faculty or University of Coimbra. Thus, the institution should not be associated with the users' view, expressed in the pages hosted on this service.

Personal Website Management

The access to the server, for editing the pages, is done through the FTP TLS / SSL protocol and your DEEC credentials.
The table below shows the settings that you should use in your usual TLS / SSL FTP client (we suggest Cyberduck for OSX and Windows). Click here for more complete instructions.

Definition	Description	Value to be configured
Server	Address of the server hosting the home.deec.uc.pt	home.deec.uc.pt
Protocol	Protocol for interaction with the server, for manipulating remote	FTP TLS/SSL Explicit encryption
Username	Username of the user to be connected to the server	DEEC domain username (e.g., userx)
Password	Password of the user to be connected to the server	Password of the respective account
Path	Path in the file system, where the site is hosted	/home/<*username*>/public_html

Location and permissions

The website must be contained in a folder, named public_html, within your account. If it is not yet created, you must proceed with its creation.

In addition, you must ensure that the folder and all files contained have the correct permissions (755 - u = rwx, g = rx, o = rx), using the command below, using the SFTP client:

```
chmod -R 755 /home/<username>/public_html
```

Previous Systems

Forwarders of previously published URLs have been created to ensure their smooth operation. Thus http://www.deec.uc.pt/~username and http://www2.deec.uc.pt/~username, automatically point to http://home.deec.uc.pt/~username.

The sites were automatically copied from the old server (THOR). If for some reason you were using the ISO-8859-1 encoding and your page contains unformatted characters, you can create an .htaccess file, with the following content, / home / <username> / public_html, to solve the problem:

```
AddDefaultCharset iso-8859-1
```

Services

Connection to the Students server via SFTP

> To use this service you need a @deec.uc.pt or @student.uc.pt account

1 - Download and install Cyberduck. To download it click here (select Windows or Mac OSX).

2 - Open Cyberduck, click on Open Conection, select SFTP (SSH File Transfer Protocol) and then fill in the fields according to the image, using your username and respective password

image-1676563467616.png

3 - Click on Allow in the next window.

image-1676559597755.png

4 - After the connection is established, you can start transferring files between the server and your machine.

image-1676559609039.png

Services

Connection to Web and Home servers via FTP TLS / SSL

> To use this service, you need to own a @deec.uc.pt account!

This document presents the necessary steps to access via FTP TLS / SSL the servers web.deec.uc.pt and home.deec.uc.pt.

1 - Download and install Cyberduck. To download it click here (select Windows or Mac OSX).

2 - Open Cyberduck, click on Open Connection, select FTP-SSL (Explicit AUTH TLS) and then fill in the server address, as well as your user and password

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3 - After the connection is established, you can start transferring files between the server and your machine

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Services

MIPS Server

> To use this service you need a @deec.uc.pt or @student.uc.pt account!

The DEEC has a server based on the MIPS architecture that run an appropriate LINUX distribution.

To connect to the server and transfer files you need to use “ssh” (secure shell) and “sftp”, respectively. If you are a Linux / Mac user, to connect to the server, run the command:

$ ssh ‘uc20YYXXXYYY@student.uc.pt’@mips.deec.uc.pt

and you will have access to the MIPS machine, whether inside or outside the DEEC LAN. You must use the credentials associated with the University's account (Inforestudante). According to the Computer Network Office, the first time you try to enter the server it will fail and the account will be created. You should cancel the operation (CTRL + C), try again and you will be able to access the server.

If you are a Windows user, you must install free “ssh” and “sftp” clients. A suggestion is to use MobaXterm (https://mobaxterm.mobatek.net/) which allows you to have both clients in one program. These clients do exactly the same as the Linux / Mac commands mentioned above, but using a windowed interface.

After installing and running MobaXterm, to connect to the server you must do the following steps:

1. Press the Session button in the upper left corner

image-1676559732295.png

2. A new window should be opened with the title Session Settings that suggests choosing the type of session you want. You should press SSH

image-1676559755873.png

3. Fill in the empty fields with the following data:

image-1676559764347.png

Remote Host must be mips.deec.uc.pt, select Specify username and fill in the credentials associated with the University account (Inforestudante) uc20YYXXXYYY@student.uc.pt. Clicking Ok will open a command on the console to enter the password associated with your account. If you

filled in your data well, an option to save credentials will appear, allowing you to avoid having to enter a password for future access.

Notes:

- Only save your credentials if you are working on your personal computer.

- According to the Computer Network Office, the first time you try to enter the server it will fail and the account will be created. You should cancel the operation (CTRL + C), try again and you will be able to access the server.

4. If you have logged in correctly, you will now have access to the ssh client (console) and sftp (file explorer on the left). To send files to the server just drag them to the sftp client zone. You can also create new files by right clicking on the sftp client area and selecting New empty file.

Software

Software

Microsoft Imagine

> To use this service, you need to own a @deec.uc.pt account!

Microsoft Imagine is a protocol that Microsoft signs with the Departments of Universities that teach disciplines in the STEM (Science, Technology, Engineering and Mathematics) areas that gives FREE access to its students, teachers and employees of the Department to Microsoft tools.

The protocol can be used through a Web based platform. In this way, it is possible for the community to obtain a personal copy of all available software, with a personal account for each user. The software delivery process is automated, freeing those responsible / administrators to essentially manage the painful process of assigning the unique Keys to which each user is entitled to obtain their personal copy of the software. On the part of users, access to the software becomes available uninterruptedly, at any time and in any place, as long as they are registered in the system. The fact that each student has their own personal account gives them full access to “their” software, being able to access their Product Keys at any time or order new software products.

Who has access?

- DEEC students, who attend courses in the current academic year;
- Teachers;
- Contributors;

Microsoft Imagine Accounts

Access to Microsoft Imagine is dependent on the creation of accounts by the management of the DEEC Computer Network (GRI).

For this purpose, the GRI creates the accounts as follows:

- For students, at the beginning of each academic year;
- For teachers and collaborators, when creating the departmental account;

At that moment, each user receives an email, in the institutional email account, automated by the platform, with the initial access instructions to the platform.

Accounts on the Dreamspark platform are independent of departmental accounts, with no connection to DEEC's centralized authentication services. For this reason, they may have a different password.

Platform Access

The username is the institutional email address.

The password is, as already mentioned, generated by Microsoft, and is automatically sent in the initial email.

If you have lost or do not know your password, you can recover it on the Microsoft Imagine authentication page (“Sign In”), using the following options:
“Forgot you password?” - This option sends the user a new password.
The address (URL) for accessing the platform is:

http://web.deec.uc.pt/go/dreamspark

Rules of Use

- The available software can be used in academic projects, classes, research, group work or departmental projects of the faculty;
- Students covered by the protocol will be able to install the software on their personal machines, as long as they are only for their own use and only for academic purposes;
- The use of tools obtained by students under the protocol is authorized, even after leaving or finishing the course, only for academic or research purposes;
- The installation of Microsoft Windows or other operating systems made available, can only be carried out on PCs without a pre-installed system (OEM) for academic purposes and for the student's own use, and the operating system cannot be transferred in case of computer transfer. ;
- The student can save A SINGLE copy of the software provided, when it is provided in the * .ISO format;

Incorret Use

- The use of the tools available for the development of products that are not of academic and / or research scope;
- The installation of the operating systems made available for the use of other software not covered by the protocol that runs on them;
- The use of the software made available for commercial purposes;
- The software provided cannot be rented, sold, transferred or transferred to third parties, whether they are (for example) other departments, other students, companies or consultants;

Software

Microsoft Office 365 Education

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Presentation

Office 365 Education Plus for students is available free of charge to students and employees enrolled at the University of Coimbra.
Install Office on a maximum of 5 PCs or Macs and on other mobile devices, including Android ™, iPad® and Windows tablets.

Enjoy access to Office 365 services, such as 1TB online storage on OneDrive and Yammer.

To make the initial registration, use one of the links below:

- Students (use your address @ students.deec.uc.pt or @ student.uc.pt for registration)
- Teachers (use your address @ deec.uc.pt for registration)

ATTENTION: The Office 365 system is independent, so it uses its own username + password set, which are not the same as DEEC.

What's Included?

Complete applications installed

Create reports and presentations with the latest versions of the applications you know so well and trust. It includes Word, Excel, PowerPoint, OneNote, Outlook, Publisher and Access.

Easy real-time collaboration

Work with your colleagues online and see each other's changes in real time with Office Online and OneDrive. The time for exchanging emails with outdated versions is a thing of the past.

Optimized note-taking tools

Type or write notes by hand, capture web pages, record audio / video, embed spreadsheets and more with OneNote, available on all your devices

Software JMP

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The JMP Software is available to the entire academic community, a program designed to support activities in statistics and data science, from the planning of experiences to the visualization and analysis of large volumes of information, predictive analytics, Quality engineering, reliability and maintenance.

As a result of an agreement between Social Action Services and the University of Coimbra, the software is made available by the technicians responsible for the computer service of the various Organic Units / Faculties.

Please select the operating system to install:

Windows

Macintosh

Software in the Labs

To support teaching activities, DEEC has a set of laboratories equipped with work stations. On these computers, a set of software called Base Software is installed, which is installed on all. In addition, other software is also installed, specific to the activities of each laboratory at each moment and the subjects taught there.
On this page, you can consult at all times which base software is installed in all laboratories and which software is installed in each laboratory.
In case it is necessary, teachers can request the installation of additional software in the laboratories, through the Helpdesk service. At the beginning of each semester, orders must be placed with additional advance, since they are times with high requests.

Base Software

Windows

Software	Function	License
7Zip	(Des)Compressing File	Freeware
Adobe Reader	Viewing PDF files	Freeware
CDBurner XP	Burning Optical Disks	Freeware
CutePDF	Generation of PDF Files	Freeware
ESET Nod32	Anti-virues	Comercial
Google Chrome	Web Browser	Freeware
Java JRE	Runtime Java	Freeware
Mozilla Firefox	Browser Web	Freeware
Microsoft Office	Office Productivity	Comercial
Notepad++	Editing text files	Freeware

Putty	SSH Client	Freeware
WinSCP	Browser Ficheiros SFTP/SSH	Freeware
VLC Media Player	Media Player	Freeware

Linux

Software	Function	License
Geany	Editing text files	Freeware
GCC	Software Compiler C/C++	Freeware

Aditional Software

LAI 1

LAI1, located at Tower T, Floor 6, has the following specific software installed:

Software	Function	License
QT Creator	Integrated Development Environment	Freeware
Matlab	High-level language for engineering	Comercial
MySQL Workbench	Database management	Freeware
Visual Studio Professional	Development environment	Comercial

LAI 3

LAI3, located in Tower S, Floor 4, has the following specific software installed:

Software	Function	License
Kinect for Windows	API for Kinect systems	Comercial (protocol Matlab TAH)
Labview	Development of commercial measurement and control systems	Comercial
Matlab	high-level language for commercial engineering	Comercial (license Matlab TAH)
MySQL Workbench	Database management	Freeware
Softkinetic API	API for SofKinetic systems	Freeware
Codeblocks	Development environment	Freeware

Visual Studio Professional	Development environment	Comercial (licenseMicrosoft Dreamspark)

LSRC

LSRC, located at Tower R, Floor 6, has the following specific software installed:

Software	Function	License
Matlab	high-level language for commercial engineering	Comercial
Quartus II Web Edition	Design of FPGA and CPLD	Freeware
Riverbed	Simulation of data networks	Freeware

LSD

LSD, located at Tower R, Floor 6, has the following specific software installed:

Software	Function	License
Matlab	high-level language for commercial engineering	Comercial
Quartus II Web Edition	Design of FPGA and CPLD	Freeware
Visual Studio Professional	Development environment	Comercial (licenciamento Microsoft Dreamspark)
Codeblocks	Development environment	Freeware
MySQL Workbench	Database management	Freeware

LPDS

LPDS, located at Tower S, Floor 5, has the following specific software installed:

Software	Function	License
Matlab	high-level language for commercial engineering	Comercial
Blender	3D Modeling Program	Freeware
QT Creator	Integrated Development Environment	Freeware
Eclipse	Development platform	Freeware
Codeblocks	Development environment	Freeware

Labview	Development of measurement and control systems	Comercial
MySQL Workbench	Database management	Freeware
Visual Studio Profissional	Development environment	Comercial (license Microsoft Dreamspark)

LMI

LMI, located in Tower S, Floor 5, has the following specific software installed:

Software	Function	License
Matlab	high-level engineering language	Comercial
Visual Studio Profissional	Development environment	Comercial (licenciamento Microsoft Dreamspark)
MySQL Workbench	Database management	Freeware
Codeblocks	Development environment	Freeware
Labview	Development of measurement and control systems	Comercial

LT

LT, located at Tower S, Floor 6, has the following specific software installed:

Software	Function	License
Matlab	high-level engineering language	Comercial
Wireshark (c/WinPcap)	Protocol analysis tool	Freeware
Riverbed	Simulation of data networks	Freeware

LC

LC, located in Tower S, Floor 3, has the following specific software installed:

Software	Função	Licença

Matlab	high-level engineering language	Comercial
MySQL Workbench	Database management	Freeware
Visual Studio Profissional	Development environment	Comercial (license Microsoft Dreamspark)

LH

LH, located at Tower S, Floor 6, has the following specific software installed:

Software	**Function**	**License**
Matlab	high-level engineering language	Comercial
Labview	Development of measurement and control systems	Comercial
MySQL Workbench	Database management	Freeware
Visual Studio Profissional	Development environment	Comercial (license Microsoft Dreamspark)
Codeblocks	Development environment	Freeware

Software

Desktop Virtualization (VDS) @ LAI3

> To use this service you need a @deec.uc.pt account!

Introduction

The first step will be to open the Lubuntu "Start" menu, select "Internet" and open the "Citrix Receiver":
1536
The software will start.

Then, click on “Accept”
1537

You must enter the following server address: vds.deec.uc.pt
1538

You must complete your DEEC credentials
1539

Authentication to the VDS system is now complete.

Click on the “+” to add access to the Virtual Desktop:
1540

Go to "All Apps" and select "Windows 8/10":
1541

Click on the icon and the Virtual Desktop with Windows 8 will start.
1542

Wait a moment for the working session to become available.

Software

Matlab Faculty & Researchers

> To use this service you need a @deec.uc.pt or @uc.pt account!

1. Create a MathWorks account (If you already have a MathWorks account you can skip this step)

• Go to http://www.mathworks.com and click on *“Log in”.*

1501

• Click on “Create Account”.

1502

• You must use your institutional email (@ deec.uc.pt or @ uc.pt) and select the option “Academic Use”.

1503

• At this point, you can finish creating your MathWorks account.

1504

2. Associate the MathWorks account with the license

• After logging into your MathWorks account, go to “My Account” and click on “View My Licenses”.

1505

• Click on the “Add License” button

1506

• Select the “Activation Key” option and click “Continue”.

1507

• Enter the Activation Key: 18583-36985-43947-39097-18102 and click on “Continue”.

1508

3. Download and / or install the Software

You can download the software from the Mathworks website (method b), however we suggest and recommend that you choose to install it directly or download it from the local BOX server (method a), the process being much faster, since it only uses the local network.

METHOD A - INSTALLATION OVER THE LOCAL NETWORK (RECOMMENDED)

- Windows
- Linux
- macOS

METHOD B - TRANSFER VIA THE MATHWORKS WEBSITE (ALTERNATIVE)

a. When the license is activated in your MathWorks account, go to:

http://www.mathworks.com/downloads/web_downloads/select_release

Alternatively, you can download the software from the address ...
• Select the version of the software you want to install.
• Select the platform:
1509

• You can then download the installer of the desired version and platform.

b. When the download is complete, **run the installation file.**

1510

• Read and accept the terms of the license agreement:

1511

• Enter your MathWorks account email address and password:

1512

• Choose the newly activated license and click “Next”.
• Choose the installation folder.

1513

• Select the products to install.

1514

• Choose additional shortcut options and click “install”

c. When the installation process is finished, it is necessary to activate the software.

1515

1516

1517

1518

You can now use your copy of MATLAB.

Software

MATLAB Students

> To use this service you need a @student.uc.pt account

1. Create a MathWorks account (If you already have a MathWorks account you can skip this step)

• Go to http://www.mathworks.com and click on *“Log in”.*

image-1678460775170.png

• Click on “Create Account”.

image-1678460784456.png

• You must use your institutional email (@student.deec.uc.pt) and select the option “Academic Use”.

image-1678460810603.png

• At this point, you can finish creating your MathWorks account.

image-1678460826699.png

2. Associate the MathWorks account with the license

• After logging into your MathWorks account, go to “My Account” and click on “View My Licenses”.

1524

• Click on the “Add License” button

1525

• Select the “Activation Key” option and click “Continue”.

1526

• Enter the Activation Key: **16700-37878-73264-69266-93873** and click on “Continue”.

1527

3. Download and / or install the Software

You can download the software from the Mathworks website (method b), however we suggest and recommend that you choose to install it directly or download it from the local BOX server (method a), the process being much faster, since it only uses the local network.

METHOD A - INSTALLATION OVER THE LOCAL NETWORK (RECOMMENDED)

- Windows
- Linux
- macOS

METHOD B - TRANSFER VIA THE MATHWORKS WEBSITE (ALTERNATIVE)

a. When the license is activated in your MathWorks account, go to:

http://www.mathworks.com/downloads/web_downloads/select_release

Alternatively, you can download the software from the address ...
• Select the version of the software you want to install.
• Select the platform:
1528

• You can then download the installer of the desired version and platform.

b. When the download is complete, **run the installation file.**

1529

• Read and accept the terms of the license agreement:

1530

• Enter your MathWorks account email address and password:

1519

• Choose the newly activated license and click “Next”.
• Choose the installation folder.

1531

• Select the products to install.

1532

• Choose additional shortcut options and click “install”

c. When the installation process is finished, it is necessary to activate the software.

• You can now use your copy of MATLAB.

Software

Matlab software renewal and reactivation process

1. Open MATLAB (If the license has already expired the activation client will launch and you can skip the next step)
2. Navigate to Help Menu and select Licensing
3. Click on Activate Software
4. Choose to Activate using Internet
5. Once reactivated you will need to restart MATLAB before the new license file is recognized If the installation has already expired, you will be prompted to activate when attempting to launch MATLAB. As long as the activation finishes successfully it will roll over to the new license file once the old one expires. You might continue to see the expiration warning in MATLAB until the old file expires."

Software

Labview and Multisim Installation

DEEC has a licensed Labview and Multisim software for students and staff:

> **Before using the software, you must register your account with NI, using the site:** https://lumen.ni.com/nicif/us/header_create/content.xhtml?action=create&du=https://www.ni.com/myni/dashboard/

> You must use your institutional e-mail for his step (ucXXXXXXXXXX@student.uc.pt)

21244

To access this software:

- Download the software at https://installers.deec.uc.pt/labview_multisim/labview_multisim.zip
- Extract the file and install the software:

21245

- In the next steps click "next" and accept all the license agreements that will appear :

21246

- Choose the software that you will need to install and click "next":

21247

21248

- In the next steps click "next" and accept all the license agreements that will appear :

21249

21250

- Confirm that the chosen software is correct:

21252

- Accept that NI Update Service checks for updates:

21253

- Login using the account you created:

21254

21255

- Choose "Enter a serial number":

21257

- Enter the serial number, from the file "LABVIEW SERIAL" inside the downloaded zip file, and click "Activate":

21258

Printing & Copies

Printing and Copies

DEEC provides its employees with a modern copy and print system, the operating details of which are explained in this document.

For configuration purposes on computers, there are 3 virtual printers, whose names and function are:

- **CacifosColor** – Color printing will be output to the following physical printer: Konica Minolta C368
- **CacifosGrayscale** – Black & white printing will come from one of the following physical printers: Konica Minolta C368 or Konica Minolta 284e. If you print in color, the printout will be automatically converted to black & white.
- **Gab-3a4** – Black & white or color printing, as defined by the user, will be output to the following physical printer: Konica Minolta C280

The advantages inherent in this implementation are:

- The specific hardware is abstracted from the user, meaning that in the event of a malfunction, you do not need to reinstall specific drivers;
- Transparent balancing is possible for the user, with obvious advantages at times of peak use;
- Duplex is enabled by default on all printers;
- Improvement of environmental impact;
- Overall reduction of printing costs;

Configuration manuals are available at:

- Windows
- Linux

The Physical equipment specifications are presented in the following table:

Equipment	Place	Characteristics	Cost/page
Konica Minolta C368	Sala dos Cacifos	– A3 – Laser – Color – Duplex – Scan to e-mail	B&W = 0.003€ Color= 0.03€

Konica Minolta 284e	Sala dos Cacifos	– A3 – Laser – Black & White – Duplex – Scan to e-mail	B&W = 0.003€ Color = 0.03€
Konica Minolta C280	Gabinete 3A.4	– A3 – Laser – Color – Duplex – Scan to e-mail	B&W = 0.004€ Color = 0.04€

* *Values with VAT included*

Printer Software Instalation for Windows

> To use this service you need a @deec.uc.pt or @uc.pt account!

Introduction

In this document, the installation of the printers in the locker room and cabinet 3A4 on Windows will be presented step by step.

Installing the printer

1 – To install the printers it is necessary to download the drivers here.

2- Run the client-local-install.exe installer located in the “drivers \ client \ win” folder in the ZIP file.

2314

3- Enter your DEEC credentials.

2315

4- Subsequently, access the Control Panel, option “View devices and printers” and select the option “Add new printer”.

5- In the window that will open (Add a device), click on “The printer I want is not listed”.

2316

6- Then select the option "Select a printer shared by name" and enter the address of the printer you want to install:

- Color printer in the locker room: http://print.deec.uc.pt:631/printers/CacifosColor
- Black and white printer from the locker room: http://print.deec.uc.pt:631/printers/CacifosGrayscale

- Color printer in 3A4: http://print.deec.uc.pt:631/printers/gab-3a4

2317
7– Then click on the “Disk” button and choose the driver that you downloaded in the first step of this manual.

2318

8- Select the driver in the “drivers \ drivers \ win \ PC-Global-Print-Driver” folder and click on next.

2319

2320

The printer is now successfully installed.

Default duplex printing

To perform default duplex printing, the following steps are required:
1 – Access the control panel.

2 – With the right mouse button on the desired printer, select the option “Printing preferences”.

2321

3 – In the "Printing Preferences" window, select the "Layout" tab and in the "Print on both sides" dropdown, use the option "Flip to the widest edge" or "Flip to the narrowest edge".

2322

In this way, the prints you make will default to these settings.

Printer Software Instalation for Linux

> To use this service you need a @deec.uc.pt or @uc.pt account!

Introduction

In this document, the installation of the printers in the locker room and cabinet 3A4 on Linux and Mac OS X using CUPS will be presented step by step.

To install the printer it is necessary to download the drivers here.

Installing the PaperCut client

Note: You cannot print without the PaperCut client.

- **Linux**

Extract the drivers folder to “/ opt / papercut /” and then add the PaperCut client at startup of the operating system.

Name: PCClient
Command: /opt/papercut/drivers/client/linux/pc-client-linux.sh

2323

- **Mac OS X**

Run the installer **client-local-install** located in the “drivers\client\mac” folder int the ZIP file.

If you see the error “can’t be opened because it is from an unidentified developer.”, Go to System Preferences> Security & Privacy and under “Allow applications downloaded from:”, select “Anywhere”.

2324

For the PaperCut client to start automatically with the operating system, it is necessary to go to System Preferences> Users & Groups and in “Login Items”, and add PCClient to the list (click on the “+”).
2325

After installation, enter your DEEC credentials. 2326

Installing the printer

1- Open the Terminal and run the command “sudo cupsctl WebInterface = yes”:

2327

2- Through the browser access the address: http: // localhost: 631 /. Go to the “Administration” tab and “click on Add Printer”.

2328

3- Enter your Mac's credentials.

2329

4- Select “Internet Printing Protocol (https)”.

2330

5- In the "Connection" field, enter the address of the printer you want to install:

- Color printer in the locker : http://print.deec.uc.pt:631/printers/CacifosColor
- Black and white printer from the locker room: http://print.deec.uc.pt:631/printers/CacifosGrayscale
- Color printer in 3A4: http://print.deec.uc.pt:631/printers/gab-3a4

2331

6- Fill in the following fields:

2332

7- Select in the Make field select the option Generic and then select the driver “Generic PostScript Printer (en)”:

2333

8- Open the Options Installed tab and in the Duplexer field, select the Installed option. Finally click on Set Default Options.2334

9- Abrir o separador Options Installed e no campo Duplexer, selecionar a opção Installed. Por fim clicar em Set Default Options.

2335

Wi-Fi

Wi-Fi DEEC Description

> To use this service you need a @deec.uc.pt or @uc.pt account!

In addition to the EDUROAM network, DEEC has its own wireless network that covers Teachers' offices, most classrooms and teaching labs, providing local addressing and resources.

The complete list of spaces now equipped with Access Points is as follows:

1. Gabinetes de Docente no Piso 1 (4 units)
2. Gabinetes de Docente no Piso 3 (4 units)
3. Gabinetes de Docente no Piso 3A (4 units)
4. Gabinete de Gestão da Rede Informática
5. Laboratório de Apoio Informático 1
6. Laboratório de Apoio Informático 3
7. Laboratório de Automação
8. Laboratório de Circuitos
9. Laboratório de Controlo
10. Laboratório de Electrónica
11. Laboratório de Electrónica de Potência
12. Laboratório de Hiperfrequências
13. Laboratório de Instrumentação e Medidas
14. Laboratório de Máquinas
15. Laboratório de Processamento Digital de Sinal
16. Laboratório de Redes e Sistemas de Computadores
17. Laboratório de Sistemas Digitais
18. Laboratório de Telecomunicações
19. Laboratório de Sistemas Electromecânicos
20. Sala de Estudo
21. Sala T4.2
22. Sala T4.3
23. Sala T5.2
24. Sala T5.3
25. Sala T6.3
26. Sala de Exames

This wireless network (DEEC) is part of the computer infrastructure of DEEC, thus allowing transparent and fast access to DEEC local network resources. The EDUROAM wireless network (see below) is still available in the department's public areas.
For technical configurations, the settings to use for network access are as follows:

Definition	Description	Value to set
Wireless Type	Types of wireless networking technology that supports wireless networking	802.11 a/b/g/n Bandwidth up to 900Mbps per space Support for 2.4GHz and 5GHz frequencies
SSID	Wireless Network Name	DEEC
Wireless Protection	Wireless Encryption System Type	WPA 2 (AES/CCMP, Dynamic)
Authentication (802.1X)	Method of authenticating a device / user to a protected network	EAP-PEAP + MSCHAPv2
Certificate Validation	Digital Certificate Verification and Validation System	Do not check / Disabled
Login	Login of the user who wants to connect to the network	DEEC.UC.PT Domain Email Address (for example, user@deec.uc.pt, or uc212345678@alunos.deec.uc.pt)
Password	Password of the user who wants to connect to the network	Password of the respective account

DEEC Network Installation Manuals

1. Windows 7
2. Windows 8.1
3. Windows 10
4. Android
5. IPhone
6. Apple Mac OS X

Wi-Fi

Wi-Fi Eduroam Description

> To use this service you need a @deec.uc.pt, @uc.pt or any other compatible institution account!

The UC wireless network is part of the Eduroam network and can be used by all teachers, students and employees who have an email account at a UC organization or any other institution that has joined the Eduroam network. Likewise, UC users, when visiting Eduroam institutions, in Portugal or abroad, will be able to access their wireless networks without any change in the configuration of their equipment.

The EDUROAM network is available in the main public areas of DEEC.

Regarding technical configurations, the settings to be used for network access are as follows:

Definition	Description	Value to set
Wireless Type	Types of wireless networking technology that supports wireless networking	802.11 a/b/g/n Bandwidth up to 900Mbps per space Support for 2.4GHz and 5GHz frequencies
SSID	Wireless Network Name	DEEC
Wireless Protection	Wireless Encryption System Type	WPA 2 (AES/CCMP, Dynamic)
Authentication (802.1X)	Method of authenticating a device / user to a protected network	EAP-PEAP + MSCHAPv2
Certificate Validation	Digital Certificate Verification and Validation System	Do not check / Disabled
Login	Login of the user who wants to connect to the network	DEEC.UC.PT Domain Email Address (for example, user@deec.uc.pt, or uc212345678@alunos.deec.uc.pt)
Password	Password of the user who wants to connect to the network	Password of the respective account

Eduroam Network Installation Manuals

1. Windows 7
2. Windows 8.1
3. Windows 10

4. Android
5. IPhone

On Apple Mac OS X operating systems, just select the “eduroam” network, when it is available. The operating system asks for the login (email) and the respective password and the connection is made automatically, through the combination WPA2 + AES + PEAP + MSCHAP_v2.

In case of difficulty, they can contact the Helpdesk service, through the usual channels.

The use of the UC wireless network is regulated by the UC network, RCTS network usage rules and applicable law.

More information:

Eduroam wireless network at UC

IMPORTANT TECHNICAL NOTE: If you use an authentication account for the @ deec.uc.pt or @ students.deec.uc.pt domains, you must disable the option to check encryption certificates.

Autoconfiguration file for Apple systems (Students)

Autoconfiguration file for Apple systems (Collaborators)

Wi-Fi

Setup eduroam Wi-Fi in Windows 10

> To use this service you need a @deec.uc.pt or @uc.pt account!

DEEC Network Installation Guide on Windows 10

Introduction

In this document you will be presented step by step the installation ofWireless Network.

Windows 10

Go to "Start Menu", "Control Panel", "Network and Internet", "Network and Sharing Center":
Then click on “Set up a new connection or network”:

1614

Then click on “Manually connect to a wireless network”:

1615

The fields must be completed, according to the following image:
Attention, the "Network Name" is case sensitive.

1616

On the next page, go to “Change Connection Settings”:

1617

The configuration to be done in the "Connection" and "Security" tab is explicit in the two images below:

1618

1619

On the “Security” tab, “DEEC Wireless Network Properties”, “Settings”, you should uncheck “Validate Server Certificate”:

1620

In turn go to “Configure” and uncheck “Automatically use login name (…)”:

1621

Finally, you only need to enter your user credentials in the DEEC.UC.PT domain:

1622

Wi-Fi

Setup eduroam Wi-Fi in Windows 7

> To use this service you need a @deec.uc.pt or @uc.pt account!

DEEC Network Installation Guide on Windows 7

Introduction

In this document you will be presented step by step the installation of Eduroam Wireless Network.

Windows 7

Go to "Start Menu", "Control Panel", "Network and Internet", "Network and Sharing Center":
Then click on “Set up a new connection or network”:
1596

Then click on “Manually connect to a wireless network”:

1597

The fields must be completed, according to the following image:
Attention, the "Network Name" is case sensitive.
1598

On the next page, go to “Change Connection Settings”:
1599

The configuration to be made in the "Connection" and "Security" tab is explicit in the two images below:
1600

1601

On the “Security” tab, “DEEC Wireless Network Properties”, “Settings”, you should uncheck “Validate Server Certificate”:

1602

In turn go to “Configure” and uncheck “Automatically use login name (…)”:

1603

Finally, you only need to enter your user credentials in the DEEC.UC.PT domain:

1604

Setup eduroam Wi-Fi in Windows 8.1

> To use this service you need a @deec.uc.pt or @uc.pt account!

DEEC Network Installation Guide on Windows 8

Introduction

In this document you will be presented step by step the installation of Eduroam Wireless Network.

Windows 8.1

Go to "Start Menu", "Control Panel", "Network and Internet", "Network and Sharing Center":
Then click on “Set up a new connection or network”:
1605

Then click on “Manually connect to a wireless network”:

1606

The fields must be completed, according to the following image:
Attention, the "Network Name" is case sensitive.
1607

On the next page, go to “Change Connection Settings”:

1608

The configuration to be made in the "Connection" and "Security" tab is explicit in the two images below:

1609

1610

On the “Security” tab, “DEEC Wireless Network Properties”, “Settings”, you should uncheck “Validate Server Certificate”:

1611

In turn go to “Configure” and uncheck “Automatically use login name (...)”:

1612

Finally, you only need to enter your user credentials in the DEEC.UC.PT domain:

1613

Wi-Fi

Setup eduroam Wi-Fi in Android

> To use this service you need a @deec.uc.pt or @uc.pt account!

DEEC Network Installation Manual on Android

Introduction

In this document, the installation of the Eduroam Wireless Network will be presented step by step.

Android

Go to "Settings", "Wi-Fi", select the "Eduroam" network, as in the follg image:
1623

Then choose the option “PEAP” in the field “EAP method”, as in the following image:

1624

After that, new fields will appear to fill in.

In the “Authentication phase 2” field, you must choose the option “MSCHAPV2”, as in the following image:
1625

Finally, you only need to enter your user credentials (fields: “Identity” and “Password”) in the DEEC.UC.PT domain, as in the following example:
1626

Setup eduroam Wi-Fi in Iphone

> To use this service you need a @deec.uc.pt or @uc.pt account!

IPhone DEEC Network Installation Manual

Introduction

In this document, the installation of the Eduroam Wireless Network will be presented step by step.

iPhone

Go to "Settings", "Wi-Fi", select the "eduroam" network, as in the following image:
1627

Then, you only need to enter your user credentials (fields: “User name” and “Password”), as in the following example:
1628

Then it is necessary to press “Accept”, as in the following image.

1629

After completing these steps, the device accesses the network:

1630

Setup DEEC Wi-Fi in Windows 7

> To use this service you need a @deec.uc.pt or @uc.pt account!

DEEC Network Installation Guide on Windows 7

Introduction

In this document you will be presented step by step the installation of DEEC Wireless Network.

In the images in this document **DEEC-Labs** should be replaced by **DEEC**.

Windows 7

Go to "Start Menu", "Control Panel", "Network and Internet", "Network and Sharing Center":
Then click on “Set up a new connection or network”:
328

Then click on “Manually connect to a wireless network”:

329

The fields must be completed, according to the following image:
Attention, the "Network Name" is case sensitive.
330

On the next page, go to “Change Connection Settings”:
331

The configuration to be made in the "Connection" and "Security" tab is explicit in the two images below:
332

333

On the “Security” tab, “DEEC Wireless Network Properties”, “Settings”, you should uncheck “Validate Server Certificate”:

334

In turn go to “Configure” and uncheck “Automatically use login name (…)”:

335

Finally, you only need to enter your user credentials in the DEEC.UC.PT domain:

336

Setup DEEC Wi-Fi in Windows 8.1

> To use this service you need a @deec.uc.pt or @uc.pt account!

DEEC Network Installation Guide on Windows 8

Introduction

In this document you will be presented step by step the installation of DEEC Wireless Network.
In the images in this document **DEEC-Labs** should be replaced by **DEEC**.

Windows 8.1

Go to "Start Menu", "Control Panel", "Network and Internet", "Network and Sharing Center":
Then click on “Set up a new connection or network”:

337

Then click on “Manually connect to a wireless network”:

338

The fields must be completed, according to the following image:
Attention, the "Network Name" is case sensitive.
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340

The configuration to be made in the "Connection" and "Security" tab is explicit in the two images below:

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In turn go to “Configure” and uncheck “Automatically use login name (…)”:

344

Finally, you only need to enter your user credentials in the DEEC.UC.PT domain:

345

Wi-Fi

Setup DEEC Wi-Fi in Windows 10

> To use this service you need a @deec.uc.pt or @uc.pt account!

DEEC Network Installation Guide on Windows 10

Introduction

In this document you will be presented step by step the installation of DEEC Wireless Network.

In the images in this document **DEEC-Labs** should be replaced by **DEEC**.

Windows 10

Go to "Start Menu", "Control Panel", "Network and Internet", "Network and Sharing Center":
Then click on “Set up a new connection or network”:

346

Then click on “Manually connect to a wireless network”:

347

The fields must be completed, according to the following image:
Attention, the "Network Name" is case sensitive.

348

On the next page, go to “Change Connection Settings”:

349

The configuration to be done in the "Connection" and "Security" tab is explicit in the two images below:

350

351

On the “Security” tab, “DEEC Wireless Network Properties”, “Settings”, you should uncheck “Validate Server Certificate”:

352

In turn go to “Configure” and uncheck “Automatically use login name (...)”:

353

Finally, you only need to enter your user credentials in the DEEC.UC.PT domain:

354

Wi-Fi

Setup DEEC Wi-Fi in Android

> To use this service you need a @deec.uc.pt or @uc.pt account!

DEEC Network Installation Manual on Android

Introduction

In this document, the installation of the DEEC Wireless Network will be presented step by step.
In the images in this document DEEC-Labs must be replaced by DEEC.

Android

Go to "Settings", "Wi-Fi", select the "DEEC" network, as in the following image:
1581

Then choose the option “PEAP” in the field “EAP method”, as in the following image:

1582

After that, new fields will appear to fill in.

In the “Authentication phase 2” field, you must choose the option “MSCHAPV2”, as in the following image:
1583

Finally, you only need to enter your user credentials (fields: “Identity” and “Password”) in the DEEC.UC.PT domain, as in the following example:
1584

Setup DEEC Wi-Fi in Iphone

> To use this service you need a @deec.uc.pt or @uc.pt account!

IPhone DEEC Network Installation Manual

Introduction

In this document, the installation of the DEEC Wireless Network will be presented step by step.
In the images in this document DEEC-Labs must be replaced by DEEC.

iPhone

Install the user profile, located at wifi_deec_mschap.mobileconfig.

In one of the installation steps, it is necessary to enter your user credentials (fields: “Username” and “Password”), as in the following example:
1585

Then it is necessary to press “Accept”, as in the following image.
1586

Go to "Settings", "Wi-Fi", select the "DEEC" network, as in the following image:

1587

After completing these steps, the device accesses the network:
1588

Setup DEEC Wi-Fi in MacOS

> To use this service you need a @deec.uc.pt or @uc.pt account!

DEEC Network Installation Guide on MacOS

Introduction

In this document, the installation of the DEEC Wireless Network will be presented step by step.

MacOS

Install the user profile, located at wifi_deec_mschap.mobileconfig

Choose "Open with" System Preferences.

1589

Select "Continue".
1590

Select "Continue".
1591

Enter your e-mail (example: a2012123456@deec.uc.pt) and Password.

Select "Install".

1592

Enter MacOS administrator credentials.

1593

After installation, information similar to the following image should appear:

1594

Activate the Wi-Fi network and select the DEEC network.

1595

VPN

VPN

VPN Client for students - Windows

> To use this service you need a @deec.uc.pt or @student.uc.pt account

Installation

To download OpenVPN just go here, and below you will find the respective download

20997

Then, perform the respective installation
20998

20999

21000

21001

Configuration

For your configuration, you should download DEEC-Alunos.ovpn and move it to “**C:\Program Files\OpenVPN\config**”.

21002

Connection

To finish, you will have to start the program “OpenVPN GUI” which, with its execution, will show an icon of a monitor with a lock on your task bar.

21004

To finish, you will have to start the program “OpenVPN GUI” which, with its execution, will show an icon of a monitor with a lock on your task bar.
21005

21006

VPN

DEEC VPN Client - Windows

> To use this service you need a @deec.uc.pt or @student.uc.pt account

OpenVPN Profiles

- DEEC Teachers and Researchers
- DEEC Students

Installation

To download OpenVPN just go here, and below you will find the respective download.

1545

Then, perform the respective installation.
1647

1648

1649

1650

Configuration

Move the OpenVPN profile to “**C:\Program Files\OpenVPN\config**”.

1546

Connection

To finish, you will have to start the program “OpenVPN GUI” which, with its execution, will show an icon of a monitor with a lock on your task bar.
1547

To finish, you will have to start the program “OpenVPN GUI” which, with its execution, will show an icon of a monitor with a lock on your task bar.

1548

VPN

VPN Client for teachers and researchers - Ubuntu

> To use this service you need a @deec.uc.pt account!

Installation

Install OpenVPN network manager by entering (copy/paste) into the terminal

```
sudo apt-get install network-manager-openvpn-gnome
```

When the installation is complete, restart the network-manager service

```
systemctl restart NetworkManager
```

Configuration

Download the OpenVPN profile: DEEC.ovpn

Go to the Network Manager and under VPN, click the "+" button

Click "Import from file..." and select the .ovpn file I've downloaded

Input your credentials and click "Add"

Connection

Finally select the network manager icon, go to VPN Connections and select the created VPN.

VPN

VPN Client for teachers and researchers - Android

> To use this service you need a @deec.uc.pt account!

OpenVPN Installation, Configuration and Execution Manual on Android

Introduction:

This document will present, step by step, the installation, configuration and execution of OpenVPN on Android operating systems.

Preparation:

Before starting the installation and configuration of OpenVPN on your SmartPhone, you should check the following point:

- Have an account for the configuration of OpenVPN, which is requested from the Management Office of the Computer Network

To download OpenVPN just go to the Google Store and download the following application “OpenVPN Connect – Fast & Saf SSL VPN Client”.

1566

1567

Configuration and Execution:

For your configuration, you must download the DEEC.ovpn file. Then go to “OVPN Profile”.

1568

Go to the file directory, select it and do "Import".
1569

To finish, you will have to insert the credentials obtained by the Management Office of the Computer Network and make "ADD".
1570

VPN

VPN Client for teachers and researchers - iOS

> To use this service you need a @deec.uc.pt account!

OpenVPN Installation, Configuration and Execution Manual on iOS

Introdution:

This document will present, step by step, the installation, configuration and execution of OpenVPN on the iOS operating system.

Preparation:

Before starting the installation and configuration of OpenVPN on your iPhone, you should check the following point:

- Have an account for configuring the VPN, which is requested at the Computer Network Management office.

Installation:

To download OpenVPN just go to the AppStore and download the following application "*OpenVPN Connect*".

1571

1572

1573

Configuation:

For your configuration, you must download the DEEC.ovpn. Then, open the application, select the "OVPN Profile" option and accept the policies.

1574

1575

To add the ovpn file, just open the Files application, go to the downloaded file's directory and open it with OpenVPN.

1576

1577

1578

Execution:
Finally, select “ADD” and enter the credentials and select “ADD” again. If you want, you can change the Title to an easier name to identify to the DEEC VPN.

1579

1580