

UDIMED-UDIGIGA

Welcome Newcomers

UDIMED-UDIGIGA

- UDI = **U**nité **D**élocalisée d'**I**nformatique = Local IT Service
 - Manages local computer park and network needs
 - 1st level helpdesk
 - Deploys Institution softwares
 - Administrative software development
- UDIMED-UDIGIGA
 - 4 agents (1 currently missing) + manager
 - ~ 1000 people (FACMED) + 600 (GIGA) + 200 (CHU)
 - ~ 3000 devices
- Single Point of Contact : if necessary, we relay !

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- UDIMED-UDIGIGA level helpdesk
 - ANY question about computers and computing
 - Help with hardware (choosing, buying, delivery, repairs...) and O.S. : Windows, macOS, Linux
 - Help with ULiège softwares (installation and basic use) : Dox, Zimbra, Gitlab, MS-Office, SAP, SAS, AV, Mathematica, Matlab...
 - Computers in meeting room, classrooms, amphi...
 - Computer lifecycle, insurance (theft and damage)
- Scientific level helpdesk ⇒ IT GIGA
 - Bioinformatician (to be hired !)
 - Grid Computing Gurus
 - GIGA Specific softwares : Krino, Xenia
- Institution level helpdesk ⇒ SeGI

ULiège IT : SeGI

- Service Général d'Informatique
 - Certifications : ISO 9001, ISO27001, PRINCE2
 - micro-computing, grid-computing, office-computing, multimedia, telephony, institution servers management, Internet and Intranet services, institution administrative applications, videoconferencing, posters and mass printing...
 - Institution softwares : Dox, Zimbra, Gitlab, MS-Office, SAP, SAS, AV, Mathematica, Matlab...
 - computer networks : Wi-Fi (+1500 AP) and wired (10gb, 1gb, 100M)
 - SeGI only manages networks : others are forbidden (local switches or routers, Time Capsule, ...)
 - **Do not connect to other networks !**
 - VPN : be anywhere at work !
 - Enlarges ULiège network to include your computer
 - **Do not use « free » unsafe networks for critical apps or data !**

ULiège IT : Zimbra

- Zimbra : e-mail, calendar, contacts and tasks (last 3 only for ULiège staff)
 - Thru Web interface, classic applications (Outlook, Thunderbird...), smartphones and tablets
 - Do not use « free » mailboxes (hotmail, gmail...) for critical communications or data !

ULiège IT : Dox

- Cloud storage based on ownCloud (staff only)
 - iCloud, Dropbox, OneDrive, Google Drive... drop-in replacement
 - 100GB
 - Security and confidentiality : managed by SeGI
 - Sharing and collaboration (online office)
 - Use thru web browser, computer O.S. integration or smartphone/tablet
 - **Do not use « free » cloud storage for critical data !**

ULiège IT : Gitlab

- 2 development forges with backup, synchronisation, CI/CD
 - `gitlab.uliege.be` : available inside and outside ULiège for collaborations with external developers
 - `gitlab-priv.uliege.be` : local to ULiège only, but with increased security for critical developments
- **Do not use « free » forges for critical developments !**

Global WarNing !!

DO NOT USE « FREE » ANYTHING !!

- 1) if it's free, that's because YOU are the product !
- 2) if you deal with critical data about people ⇒ GDPR

ULiège IT : Grid-Computing

- NIC4
 - 128 compute nodes, two 8-cores Intel E5-2650 processors at 2.0 GHz, 64 GB of RAM, 144 TB parallel filesystem, 70 TB NFS server, 20GB per user
 - Part of CÉCI (9 clusters)
 - Linux, Slurm, OpenMP, MPI, BLAS, LAPACK, R, Octave, Python, etc.
- ClusterVision (NIC3)
- 2 clusters Linux for Matlab and SAS
- cluster.calc.priv : cluster for GIGA (24/30) and CHU (6/30)
 - 600 cores, 5TB RAM

ULiège IT : MassStorage

- Once a GIGA initiative, now a ULiège device
 - 1 PB of data : 500TB on highspeed disk, 500TB on tape
 - Archive, HSM (stub on disk, data on tape), scratch
 - Access to mass data producers thru 10Gb network
 - 100GB home directory (GIGA staff only)
 - Access thru NFS, CIFS or SFTP
 - Backup with 28 days history
 - Shared space with cluster.calc.priv
- A bigger one will be available soon ;-)

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Remember :

ULiège IT :

<https://my.segi.uliege.be>

Faculty of Medecine and GIGA IT :

<https://udimed.uliege.be>

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Questions ?