IT-Guide September 2018

ar:toolbox

Corporate IT-Systems and Services

Further questions?

Do not hesitate to ask our support. They look forward to helping you! Just send an E-mail to:

it-support@tum.de

You can find further information at:

www.it.tum.de/en www.it.tum.de/en/students www.it.tum.de/en/tumonline

www.it.tum.de/en/faq

Useful links

campus.tum.de (TUMonline)

mail.tum.de (Web E-mail)

webdisk.mwn.de (Online storage)

moodle.tum.de (Learning platform)

syncandshare.lrz.de (File sharing)





What is my TUM mail address ?	5
What is my personal password ?	3
Help - I lost my password !	3
Where can I find my TUM ID ?	3
What good is TUMonline ?	9
What good ist Moodle ?	15
How do I access the Uni-WLAN/Wi-Fi?	17
Accessing the internet with my Mac/PC	19 – 21
Smartphone / Tablet internet access	23 – 25
How do I protect my computer ?	28
Storage Cloud access from home	31
Easy file exchange with sync + share	41
How do I send large files ?	41 – 43
How to use online services of TUM Library	y 45
Is there software available for students ?	46

Content

TUM account 3
TUM mail address5
TUM mail address on your Smartphone7
TUMonline9
Moodle 15
eduroam Mac + PC 19 + 21
eduroam iOS 23
eduroam Android 25
MWN Storage Cloud Personal Drive 27
IT-Security VPN Virtual Private Network 28 + 29
LRZ Network via VPN 31
Personal Drive Mac + PC 33 + 35
Personal Drive WebDAV 37
Personal Drive Mobile Devices
LRZ Sync + Share41
Sharing big files via GigaMove 43
Finding literature and using e-media 45
Free Software for Students46
Computer Pools at TUM 48
Imprint

Technische Universität Manifest			* Her an/abmolden/
6 D		Search	-] Login 🎧 🕮 🛈 de en
TUNionine V2.00			Note (2)
Log-in	User name Passed Log in Cancel Forgot your passwort		
Registration # you do not po or if you have to • POF m • Video to	ssess a TUMonline account (user name + password) ye gotten your password, please create one using a PIN o moal "First log-in" tonial "Enter PIN-Code"	e ode	



t l·	Search	۲	-+ Logout	6	(i)	de en
Test Demotest						
TUM ID						
Here you ca	n see your TUM ID, which	belongs to ye	our TUM acc	ount.		
What is the	TUM ID2					
What is the	I OW ID:					
Your TUM ID						
	ga5	3xez	\mathcal{I}			

TUM account

You created your TUM account during your online application. This account gives you access to several IT services such as:

- ... TUMonline 7 p.9
- ... Moodle 7 p. 15
- ... WLAN/Wi-Fi 7 p. 17 ff
- ... Cloud Storage 7 p.27 ff
- ... Computer rooms, etc.

Login details

The login details to your TUM account are your TUM mail address or your TUM ID and your password. You can find instructions on setting up your TUM mail address on a page 5. Log in with the login details you used during your online application. The password is the same and will be referred to as your **personal password**.

TUM ID

You find your TUM ID in your TUMonline business card under "TUM ID".

This ID always has the format ga53xez .

With these 7 characters and your personal password, you can log in to many of the relevant online options.

Help – I lost my password!

No problem! Just click on "Forgot your password?" on the TUMonline login page and follow the instructions. If you get in trouble here, send a short E-mail describing your problem to: **it-support@tum.de**

To help you out ASAP the it-support needs your name, TUM mail address or TUM ID or registration number.



E-Mail		
In E-Mail und Personen su P	🕀 Neu 👻 🧃 Löschen 🧮 archivieren Junk-E-	Mail Y Aufräumen Verschieben Y •
▲ Favoriten	Posteingang Filter v	Anmeldung bei FVVSVV-CH
Posteingang 14 Gesendete Elemente Entwürfe	Joachim Ottinger Anneldung bei PVVSVV-CH 185 0,15WS VO 17:04.2015 Tiet Demotest wurde ANgemeitdet für: 100% ATZ Gr.	Studentische Vollversammli Standardgruppe
Demotest, Test	Atter	Joachim Ottinger <joachi< td=""></joachi<>
Posteingang 14 Entwürfe Gesendete Elemente	Gemel Christian (über TUM) Anorganisch-che 950320087 (W17/18): Rechr 23.02.2016 Anorganisch-che 950320087 (W17/18) + Foren + Nac	Di 17.04, 14.03 Demotest, Test - 8
Gelöschte Elemente Junik-E-Mail	TUM Laut Polizei keine konkrete Gefährdung / Ac 18.02.2018 PLEASE SCROLL DOWN FOR THE ENGLISH VERSION	Test Demotest wurde ANgemeldet für: FIXPLATZ
Notizen	It-support@tum.de Prüfungsabmetkung von CH4107 17W 45W5 21:012018 *** Automatisch in TUMoriline generierte E-Maal ***	Gruppe: Standardgruppe Lehrveranstaltung: FVVSVV-CH Studentisch (0,1SWS VO, SS 2017/18) Studium: 1630 17 100 Chemie

E-mail addresses (incoming)		
Adresse		
Eingabe - Adresse		
minni	.maus	~ Q
Momentane Adressen		
437DE892ED99C746@mytum.	de	
gu27cat@mytum.de		
 I Nur Weiterleitung TUM-Mailbox (excha Meine Weiterleitungsadresse 	nge)	
Please note: • If you choose "TUM-Maibox are forwarded to the exchang a "Wefterleitungsadresse" - alk • If you choose "Nur Wefterleit enter an address under "Meine	(exchange)", your mails e maillox and - if you entered so to this address ung", you have to e Weiterleitungsadresse"	

TUM mail address

The first thing you need as a freshman at the TUM, is your own TUM mail address. Many important E-mails – for example, your credits or exam dates – will only be sent to this address. That's why we highly recommend:

Check your mailbox regularly!

How do I set up the TUM mail address?

To set up your TUM E-mail address, go to **campus.tum.de** and log in with the login details you used for your online application. Click on "E-mail Addresses" under "Resources". Enter your desired E-mail address in the upper field of the opened card – like this:

givenname.familyname@tum.de

How do I access my E-mail?

You can access your E-mail account at any time and from anywhere using the login at **mail.tum.de.** It is of course also possible to retrieve your E-mails with common clients:

go.tum.de/608861 (MS Exchange) or go.tum.de/950857 (IMAP)

How to receive your E-mail with your smartphone is explained on 7 page 7.

TUM mail forwarding

On the same page you can enter an E-mail forwarding address to forward a copy of your TUM mail to your private E-mail address, see screenshot on the left. If you wish to only receive your TUM mail on your private E-mail address, select "Nur Weiterleitung", (forward only).

	∦ 🔋 ₄ 💼 10:4
🕻 🞯 Exchange se	erver settings
Email address	
minni.maus@tum.	de
Domain\username	
ads\gu27cat	
Password	
Password	
Password	



The TUM mail address on your Smartphone

Due to a variety of smartphones and operating systems only a general overview on how to set up the TUM mail address on your smartphone can be given.

Set up a new E-mail account ...

Create a new E-mail account on your smartphone. You need to create a "MS Exchange account" and/or use the manual setup to do so. You will need the following data:

Your E-Mail	<i>name.familyname</i> @tum.de
User name	e.g. gu27cat (your TUM ID)
Server	xmail.mwn.de
Domain	ads

Note: Some smartphones combine the field "user name and domain". Enter the information as shown, divided by a **backslash**:

ads\yourTUM ID (e.g. ads\gu27cat)

You have to enter the domain, otherwise the E-mails cannot be sent to your smartphone.

Download a certificate ...

In addition, on some devices you need to install two user certificates.

You can find the "Root-certificate" for the Deutsche Telekom here: **go.tum.de/380271** The T-TeleSec class 2 "Root-certificate" can be found here: **go.tum.de/804966**





TUMonline

TUMonline is the TUM Campus Management System. You can manage courses an study related information here. TUMonline is accessible at:

campus.tum.de

Login

Log in with your TUM ID (e.g. gu27cat) or TUM e-mail address and your personal password 7 S.3. After logging in on **campus.tum.de** you can ...

- ... print your study materials
- ... sign up for courses (LV)
- ... register for examinations (PV)
- ... change your address
- ... view your exam results
- ... setup your E-mail address, etc.

All important links can be found on your TUMonline business card, see lower screenshot.

Information and help

You can find detailed manuals and FAQs in our TUMonline Wiki:

https://wiki.tum.de/x/O4gTAQ

If you run into problems or have further questions do not hesitate to contact our support:

it-support@tum.de

Teaching & Research	Studies	Resources	Services
Course bookmarks	Applications	Use Policies	P Token-Management
Theses	Fees	Calendar	TUMcard passport photograph upload
5 LV-Bookmarks Timetable	Print Documents	Personal Settings	Software
	Student Files	Login Log	IIN Library
	2 Course Registration	Current Address	A Change Password
	Exam Registration	@ E-mail Addresses	10 TUM Mailbox (Exchange)
	Exam Results		TUM Mailbox (myTUM)
	Transcripts		Ex Delete old myTUM Mailbox
	Accreditation/Recognition		Storage (NAS)
	Study Status/Curriculum]	G Sync+Share



Curricula Support v1.1 17 100 Chemistry (20071, B: discontinued): Studium offen Academic year 2016/17 Entrance semester: 5	achelor's p	rogran	n.		Oş	Display vements	Registi Refres Show al Ale Registe	abon st h Shov oc. achk sred exc	atus v inact. nod oversent. In amination. R	es act, result leg, course	Exam di Serne	ste ster pl	an
	Aca	lemic	achieve	ment	s, by:	27.01	2015	18:0	6				
Node-Name rec. sem * fat asmeater * * 2nd semeater * * 3nd semeater * * 4th semeater * * 5th semeater * * 6th semeater * * 6th semeater * * no semeater recommended	Gredits	WF.	Results	Sel	RM	Pass	<u>DF</u>	Cre	CREF	Grade	MP	WA	FRV

Find your degree plan

Your degree plan, which is an overview of all of your elective and required subjects, can be found on TUMonline, too.

Simply login and click on your name in the right upper corner. This will take you to your business card, where you will find the link "Study Status/Curriculum" under the navigation menu "Studies". In the next window, click on the name of your study programme.

A fold-out "Curricula Support" will appear, containing all modules - in other words all of the building blocks that make up your course of study, which in turn contain all of the corresponding courses and examinations.

The colored symbols in the foreground indicate which aspect of the course of study it involves:

- course component blue
- module orange
- course (LV) red
- examination (PV) green

Find your semester and course schedule

In your degree plan click on "Semester plan" in the upper right corner. Here you will find an overview of all courses and examinations organized by semester and displayed in a schedule calendar.

Important: all courses are listed with subgroups, typically you only need to register for one group!

If you have signed up for courses (LVs) and exams (PVs), ¬ p. 13 you can display a personal course schedule. It will automatically appear in your personal schedule calendar, which you can find under "Calendar" in your business card navigation menu.

Register for courses/examinations (LVs/PVs)

We recommend that you register for courses and examinations through your course schedule to ensure that the course offered belongs to your course of study.

Select the corresponding course (LV) or examination (PV). On the right is a button with a T (course registration) or P (examination registration), with which you can register.

These in turn are color-coded:

- Pregistration is open green
- P registration is open only after a specific date yellow
- **1** P registration is not yet open red
- Pregistration is closed grey

All courses and examinations that you have registered for automatically appear in your schedule calendar.

Search for courses and examinations

You can also search for courses. In TUMonline click on "Search" in the upper right corner and then "Courses".

The next window has a simple and expanded search function for courses. If you want to search for an examination, click on "Exam Registration" in your business card and then "Exam registration – search" in the next window. A simple and expanded search is available here as well.

Detailed instructions for examination searches and registrations are available at:

https://wiki.tum.de/x/ha0_AQ

 Experimental Physics 2 for Chemists 	2.	1				
Course(s) in academic y	ear 🗟 20	017/18 🖹	Part	Lecturer (Assistant)	Place (1st session)	Tim (1st ses
0000000152 18S 2SWS Physics 2 for Chemists	L Experin	nental	Û	Bausch A	00.02.001, MI HS 1, Friedrich L. Bauer Hörsaal	10.(10:(12:(

C Q, Such	en 🔶 🕇	304 1	Sprachen • =
nline 🎟 TUMonline Anleitu	ing 🎟 TUM - Technische Uni 💵	The Entrepreneurial	U
			Student. Minni Maus
	Search	- Logout	☆ 🕲 🛈 de en 😤
	Search Staff Students Organisations Degree programmes	Sele	Help 🟠
linnie	Courses Module hardbook		

Teaching & Research	Studies	Resources	Services
🙀 Course bookmarks	Applications	Use Policies	& Token-Management
Theses	Fees	Calendar	TUMcard passport photograph upload
T LV-Bookmarks Timetable	A Print Documents	Personal Settings	Software
	Student Files	J Login Log	III Library
	2 Course Registration	Current Address	A Change Password
	Exam Registration	@ E-mail Addresses	1 TUM Mailbox (Exchange)
	Exam Results		TUM Mailbox (myTUM)
	Transcripts		Ex Delete old myTUM Mailbox
	Accreditation/Recognition		Storage (NAS)
	Study Status/Curriculum		Sync+Share





Moodle

Moodle is the central learning platform at TUM, which is already used by many lecturers. Moodle is accessible at: **www.moodle.tum.de**

Login

Log in with your TUM E-mail address and your personal password (\neg page 3). After logging in, you will be taken to your personal home page with your enabled Moodle courses.

Registration for the Moodle courses occurs automatically after the registration for TUMonline courses.

Which function does Moodle provide?

In the moodle site areas, your lecturers can individually combine different materials and activities for their courses. You'll find there for example ...

- ... learning materials such as digital semester collections, scripts
- ... tasks such as Homework with online submission
- ... discussion and question message boards and forums
- ... cooperation regarding common results or projects within the course
- ... self-tests to check your knowledge

What else does Moodle provide?

- ... learning independent of time and place
- ... individual learning (paced, learning techniques, etc.)
- ... learning group functions with live meeting areas and audio/video transmission and exchange of material ... and much more

If you have questions do not hesitate to contact Moodle Support any time by E-mail at: Ims-support@tum.de

(((())) eduroam



WLAN/Wi-Fi via eduroam

eduroam

eduroam is an international initiative of the higher educational institutions, to provide a uniform way for academics and students to access the internet via WLAN/Wi-Fi, even whilst they are traveling.

eduroam is advantageous due to its simplicity and international operation. Your TUM ID and your personal password suffice as login (Mac a page 19, Windows a page 21, mobile devices from a page 23).

eduroam is available at many German and European universities, as well as at many universities worldwide. Additional eduroam is available at a lot of places in Bavaria, such as the Munich city center and many other sights.

Information about eduroam and currently available locations can be found under:

www.lrz.de/services/netz/wlan/eduroam/



Enter settings to	r "eduroam":		
	🛞 E	nterprise Network	
Enter settings for	or the enterprise netw	ork "eduroam":	
Username:	gu27cat@eduroam.	.mwn.de	
Password:			
			\sim

Accessing the Internet via WLAN/Wi-Fi with macOS

To securely access the Internet via the Wi-Fi network eduroam **you must install** the suitable configuration profile. Logging in without proper configuration poses security risks for your personal data!

Download configuration file ...

You can find the configuration profile for your device at:

https://www.lrz.de/services/netz/wlan/eduroam/

Choose the suitable profile for your device and download it. At the campus you can use the open Wi-Fi "Irz". Next open and install the configuration profile.

Authentication ...

This will open a window where you will be asked for your username and password.

Your username consists of your TUM ID – here, for example **gu27cat** (different for every user) – followed by **@eduroam.mwn.de**

The resulting format looks like this: gu27cat@eduroam.mwn.de

The password is your personal password (7 page 3).

Enabling WLAN/Wi-Fi ...

Once you have downloaded the configuration profile and entered your user data, activate the WLAN/Wi-Fi and select "eduroam" as a network.

If the WLAN/Wi-Fi is not configured on your computer, open the System Preferences/Network section and add a WLAN/Wi-Fi connection.



P	eduroam installer	or Technical University of Munich (TUM)			×
ι	Jser credentials		ed	uro))) am
	Username;	ga53xez@eduroam.mv			
	Password:	•••••			
Nü	llsoft Install System v	2.51-1+b1			
		Tr	nstall	Can	rel
-					-

Accessing the Internet via WLAN/Wi-Fi with Windows

To securely access the Internet via the Wi-Fi network eduroam **you must use** the suitable configuration tool. **Logging in without proper configuration poses** security risks for your personal data!

Download configuration tool ...

Download the suitable configuration tool at:

https://www.lrz.de/services/netz/wlan/eduroam/

Choose the suitable version of Windows here and download the installer. At the campus you can use the open Wi-Fi "Irz".

Open and install the configuration profile.

Authentication ...

This will open a window where you will be asked for your username and password.

Your username consists of your TUM ID – here, for example **gu27cat** (different for every user) – followed by **@eduroam.mwn.de**

The resulting format looks like this: gu27cat@eduroam.mwn.de

The password is your personal password (7 page 3).

Enabling WLAN/Wi-Fi ...

Once you have downloaded the configuration profile and entered your user data, activate the "Wireless Network Adapter" and select the "eduroam" network access point.





Accessing the Internet via WLAN/Wi-Fi with iOS

To securely access the Internet via the Wi-Fi network eduroam **you must use** the suitable configuration profile. Logging in without proper configuration poses security risks for your personal data!

Download configuration file ...

Install the suitable configuration profile for your iOS at

https://cat.eduroam.de/

Choose the Technical University of Munich (TUM) from the list of home institutions. Use the manual search function, if TUM is not listed.

The software version identifies automatically.

Authentication ...

This will open a screen where you will be asked for your username and password.

Your username consists of your TUM ID – here, for example **gu27cat** (different for every user) – followed by @eduroam.mwn.de

The resulting format looks like this: gu27cat@eduroam.mwn.de

The password is your personal password (7 page 3).

Enabling WLAN/Wi-Fi ...

Once you have downloaded the configuration profile and entered your user data, activate the Wi-Fi by tapping to on "eduroam" under "Settings/Wi-Fi".





Accessing the Internet via WLAN/Wi-Fi with Android



To securely access the Internet via the Wi-Fi network eduroam **you must use** the procedure described below. Logging in without proper configuration poses security risks for your personal data!

Configure eduroam ...

Open the Wi-Fi network eduroam to connect your smartphone to it.

Choose the EAP-method "PWD".

Authentication ...

This will open a screen where you will be asked for your username and password.

Your username consists of your TUM ID – here, for example **ga53xez** (different for every user) – followed by **@eduroam.mwn.de**

The resulting format looks like this: ga53xez@eduroam.mwn.de

The password is your personal password (\neg page 3).

Your phone connects automatically to the eduroam Wi-Fi.

MWN Storage Cloud

Your personal network storage area

The Leibniz-Rechenzentrum, with abbreviation LRZ, provides you with a personal storage area of up to 100 GB presently (maximum of 400,000 files including directories), to which only you have access. This is provided on their internal servers via the "Münchner Wissenschafts Netz" (MWN) personal storage cloud.

How to access the personal network storage drive from your own computer, is shown from 7 page 31 onwards.

"Ubiquitous"- access via the Web Interface

You can also access your data from any Internet computer (even from public computers in an internet cafe). The personal storage cloud is also accessible via a web interface:

webdisk.mwn.de

To log in you need your TUM ID and your personal password (\neg page 3).

How to exchange data with others?

A temporary online storage space is available in the storage cloud, which is shared by ALL students. Via web interface at **\Mwntemp** you can easily exchange data with other students (up to 10 GB), without using any external storage devices. The data is accessible to all MWN users, therefore you should not store sensitive information there. All Data is deleted after 48 hours. There are of course other ways to share large files, such as Sync + Shrare, see 7 p. 41 or Gigamove – which is described on 7 p. 43.





+ C . s.	hor https://wobdiskadumwh.co			
>	🔁 Ordner 🛄 Ansicht 🛛 👰 Suche 📄 Defei 🕞	🛓 Vorumes / Dearbaiten 🤉 🌐 Laden 🕓 Herumestade	n 🚺 Aktualisie	(THE
Home	Logistime			
htwnterrp	Name -	Labels	Größe	. 13
TUAR	1			1
TUEV	🦮 test	• •		1
TUCH	Rotizen_itandertum_ENG.docx		12 KB	- 3
TUEL	T quota bd		6 bytes	
TUGR				
TUGS				
TUIN				
TURIA				
TURIS				
TUMNY				
TUPE				
TUPH				
TUPO				
TUPO	1			

IT-Security

You can enable protection of your data, your computer and your digital identity by taking some simple actions.

Malware protection

Students have the opportunity to download a free version of "Sophos Antivirus" malware protection for Windows, Mac OS X and Linux from the LRZ websites. You may use this software on your personal device.

To download and update the malware protection you need to be connected to eduroam \neg page 17–21 or activate the VPN connection \neg page 31 f.

go.tum.de/010795

The TUM personal password

Your TUM ID and personal password allow you to log in to a variety of IT services, therefore you should choose a **very strong password** here. You should **exclusively** use this password for your TUM account.

go.tum.de/565506

Secure your device

To protect your device, you can do more than just download malware protection. For more information, visit:

www.it.tum.de/en/it-security/

VPN - Virtual Private Network

What is this?

A Virtual Private Network, abbreviated VPN, gives you the opportunity to be part of the TUM network from anywhere in the world.

The great advantage of this system is that you can use all TUM IT-services by comfortably and safely accessing your data on the LRZ servers from any other desired network (e.g. your internet connection at home), just like being on campus.

How do I use a VPN?

To use the VPN at the TUM, you need a so-called VPN client. This is a program that allows a secure connection to the network 7 page 31.

Security tip!

Use the VPN client in open WiFi networks to encrypt the entire data traffic. To ensure the traffic is transmitted via LRZ, and thus encrypted, you must place a "!" in front of your TUM ID when signing into the VPN client.

Enter your user name as described on a page 31 ff with the additional "!", like so: **!gu27cat**

The following pages explain the various procedures for the using of the TUM VPN.

cisco
Connect

ſ	1	L	

Group:	AnyConnect
Username:	gu27cat
Password:	•••••
(c) Leibniz Impressum Datenschu https://ww datenschu	-Rechenzentrum n: http://www.lrz.de/impressum/ tzerklärung: ww.lrz.de/datenschutzerklaerungen/ tzerklaerung von/



Kennun um I	g und Passwort werden abgefragt, hre Berechtigung zu überprüfen.		
Group:	AnyConnect	•	
Username:	gu27cat		
Password:	*****		
Connection Ban	ner		
(c) Leibniz-Recl Impressum: htt Datenschutzerk https://www.lr.	henzentrum p://www.lrz.de/impressum/ larung: z.de/datenschutzerklaerungen/datensc	Î	Cisco AnyConnect Secure Mobility C
hutzerklaerung	_vpn/	-	C! VPN:

Accessing the LRZ Network via VPN



VPN Client Setup ...

Under **https://asa-cluster.lrz.de** and after entering your TUM ID and personal password (¬ page 3), your operating system will be detected and the correct VPN client will be downloaded (the JAVA[™] plug-in must be installed).

Should the automatic download not work, you can download and install the latest version of the "AnyConnect Secure Mobility Client" at:

go.tum.de/369007

Connecting ...

Start the Cisco AnyConnect Secure Mobility Client.

In the "Connect" field, enter **asa-cluster.lrz.de** Click on "Connect" and a window will open where you will be asked for your username and password.

Enter your TUM ID in the format **gu27cat** as username and your personal password (*¬* page 3).



0 0	Connect to Server
Server Address:	
smb://nas.mwn.	de/gu27cat + O~
Favorite Servers:	
2 Romovo	Prowee

<i>t</i> itt	Enter your name and password for the server "nas.mwn.de".
	Connect as: Guest
	Name: gu27cat
	Password:
	Remember this password in my keychain

Integrating the Personal Drive – macOS

You can integrate your personal online storage space directly as a network drive on your Mac – even if you find yourself outside the "eduroam" network area or the LRZ.

Logging in per VPN ...

For this, your computer must be connected to the Internet and you need to sign in to the LRZ server via the Cisco AnyConnect VPN Client (7 page 31).

Mapping the drive ...

In the Finder, under the menu "Go", select "Connect to Server..." or just press the shortcut keys H K.

Enter the server address followed by your TUM ID: e.g. **smb://nas.mwn.de/gu27cat** and click on "Connect".

This opens a window where you will be asked for your username and password.

Enter your TUM ID in the form **gu27cat** as the username with the associated personal password (in page 3) and click on "Connect".

If you would like to use the connection on a regular basis, you can activate the "Remember this password in my keychain" checkbox – see bottom screenshot on the left.

The next time the chosen directory will be displayed under "Favorite Servers" – see middle screenshot.







Integrating the Personal Drive – Windows

You can integrate your personal online storage space directly as a network drive on your PC – even if you find yourself outside of the "eduroam" or LRZ network area.

Logging in per VPN ...

For this, your computer must be connected to the Internet and you need to connect to the LRZ server via the Cisco AnyConnect VPN Client (7 page 31).

Mapping the drive ...

Once connected to the LRZ network via VPN, then in Windows Explorer, click with the right mouse button on "Network" and select "Map network drive...".

This opens a window where you can assign a drive letter. In addition, under "Folder", you need to enter the address and your TUM ID (7 page 3) in the form \\nas.mwn.de\gu27cat Click on "Finish".

This opens a window where you will be asked for a username and password. Enter as username **ADS**\ followed by your TUM ID in the form **gu27cat** as well as your accompanying personal password (¬ page 3) and click "OK".

If you would like to use the connection on a regular basis, you may activate the "Remember my credentials" checkbox – see screenshot on the left.



Quick Connect		ion Info Neuladen Bearbeiten U	Jploed I	Deteitrensfers	Trennen
e 🖪 O 😵 🖂 🕨			1	A Suche	P
	Neue Verbindung				
	A MARDAN OUT	706			
	Server: webdick.adc.mwn.de Port 4			443 5	
	URL	https://gaS3xez@webdisk.ads.mwn.de			
	Benutzername:	ga53xez			
	Passwort				
		Anonymer Login			
+ / -	SSH Private Key:	Keine			
Lesezeichen		Passwort speichern			
		Vert	oinden	Abbrechen	
	Proveiterte O	ationen			

Quick Connect		Neue Verbindung						-
eue Verbindung	1 10001 100	WebDAV (HT	(PS)		~			Tn
	1 1120 102	Server	webdisk.mwn.de	Port:	443	100	Suche	-
		URL	https://gaS3xez@webdisk.mwn.de/hcwebdav/ho					
		Benutzername:	ga53xez					
		Passwort:	•••••					
			Anonymer Login					
		SSH Private Key:	Keine		Cheolan			
			Passwort speichern					
		() to maintain the	Vert	binden	Abbrechen			
		Pr Children Co	ad: howebdav/home		_			
		Verbindungsmod	us: Standard					
		Zeichenkodieru	Mar LITE-8					

Connecting the Personal Drive via WebDAV (example Cyberduck)



To be able to access your drive without a VPN connection, you can use the WebDAV protocol. This usage is further explained with the exemplary "Cyberduck" software. You can find the current free version at address:

cyberduck.io/

WebDAV in OSX

Open Cyberduck and at the top left click on the "New Connection" ("Neue Verbindung") tab. In the drop-down menu choose the protocol "WebDAV (HTTP/SSL)" and enter as server address: **webdisk.mwn.de**

then click on "More Options" ("Erweiterte Optionen") and enter **/hcwebdav/Home** as the Path.

Enter your TUM ID as user name and your personal password (*¬* page 3) and click "Connect" ("Verbinden").

WebDav in Windows

Open Cyberduck and on the top left click on the "New Connection" ("Neue Verbindung") tab. In the drop-down menu choose the protocol "WebDAV (HTTP/SSL)" and enter as server address: **webdisk.mwn.de**

then click on "More Options" ("Erweiterte Optionen") and enter **/hcwebdav/Home** as the Path.

Enter your TUM ID as user name and your personal password (*¬* page 3) and click "Connect" ("Verbinden").

erver Save
MWN Storage Clou
https://webdisk.mwn.de/hcwebdav
ga53xe

WebDAV Nav	hcwebdav	↓ <i>≜</i>
Home 06/12/2018 09:18		
Mwntemp 06/12/2018 09:18		
TUAR 06/12/2018 09:18		
0 C ± 🖬 🔯 🐺		Ŧ





Connecting the Personal Drive via WebDAV/Mobile Devices

WebDAV with iOS

To be able to access the LRZ network from your iPad or iPhone, you can use the WebDAV protocol. This usage is further explained with the exemplary "WebDAV Navigator" app.

Click on "New Server" and enter the following as the server address (see screenshot):

https://webdisk.mwn.de/hcwebdav/

Enter your TUM ID as the username and your personal password (\neg page 3) and select "Save" ("Sichern").

WebDAV with Android

To be able to access the LRZ network from your Android pad or phone, you can use the WebDAV protocol. This usage is further explained with the exemplary "WebDAV Navigator Lite" app.

Click on "New Server" and enter the following as the server address (see screenshot):

https://webdisk.mwn.de/hcwebdav/

Enter as username **ADS**\ followed by your TUM ID in the form **gu27cat** as well as your personal password (\neg page 3) and click the diskette symbol to save.

Irz Sync+Share		,	Suche nach Det	essum Datensi
		SERVICEDESK	PAQ	DORUMENTA
	Home			
Folder	Sortieren Name 🗃 Aufsteigend 📄			r + & ×
Verlinkungen Olients runterladen	Prüfungen 1.30 MB 1 Benutzer		6	r + 0 ×
Benutzerkonto Abmelden	Schulungen 50.53 HB 1 Benutzer			£ + ⊗ ×

	Sortieren : Name 🗐 Aufsteigens 🖉	SERVICEDESK	1442	DOKUMEN	TATION
Folder	📜 Projekt	Projekt	0	09 Jul 15	×
Verlinkungen	Plexiglas gelb groß.ai	Prüfungen	0	09 Jul 15	×

		SERVICEDESK	FAQ	DOKUN
Download für Windows	Download für Mar	s App für Android	APD	für iPhone / iPad
	-	Andrea Andrea		iOS

Sync + Share

For those always on the move, the LRZ offers "Sync + Share", which allows you to sync and share your data with others and to sync it with different devices. Every student has 50 GB storage available for free. Log in with your TUM ID and your personal password at **syncandshare.Irz.de**

Share data

On the web interface you can set up a new folder and upload data under "Folder" ("Folder+" icon). To share data and work together on projects you can add other people with the "Person+" icon. You can give them specific rights, e. g. write or read.

You also have the opportunity to give read-only access of folders or files to external persons. To do so, you choose the "chain-icon", generating a web link. This way external persons can download the files.

At "Verlinkungen" you can check all created links.

Work on documents

You can work together online on office documents (Word, PowerPoint, Excel). By opening the document, an editor opens where you can work together at the same time on the document.

Sync data

At "Clients runterladen" you have the opportunity to download sync-clients for different operating systems. These clients allow you to work offline, automatically synchronizing the changes made on different devices, the next time your device connects to the internet.

syncandshare.lrz.de

https://tumidp.lrz.de/idp/profile/SAML2/Redirect/SSO(sessionid=20D51D4C79A0E5E68)	3225858874255AF7execution=els16dang=en
peichen hier in der Lesezeichenleiste, um schnell auf sie zugreiten zu können. Lesezeichen jetzt importiere	8
	delen
	mm
	1411
Gigamove - RWTH Aachen	
Web Login Service	
Usemame	
gu27cat	
Password	
1000100	
keep me logged in ⁽⁷⁾	
C about the balance balance of (2)	
LOGIN Foract vour password?	
Log in using:	
Year TUM username / TUM ID er	
Your @tum.de or @mytum.de e-mail address	



Request file		0	n this page	you can mar	nage your st	ared files.			
Manage files			1	Provided R	equested				
Profile data	Ī	You have	currently	provided the	following	file for down	load.		
Luin .	Filename	Comment	Stre	Link	Cownloads	Valid to ·		1 9	
sep	IPAD eduroam_2.jpg		106.8KB	Download	0	15.03.2017	1	()~()	*
	().		Total file	ize: 105.8KB	/ ree memo	ry:10GB			-

Sharing big files via GigaMove

The TUM offers a service for the transmission of large files via the Computing Center of the RWTH Aachen and in cooperation with the German research network DFN. It is called "GigaMove" and can be found at the following address:

gigamove.rz.rwth-aachen.de

Login ...

First you have to select your University – in this case, the Technische Universität München (TUM) and then login with your TUM ID in the form **gu27cat** and your personal password (¬ page 3).

Sharing data ...

Under the tab "Provide file" you can upload individual files of up to 2GB. Overall, you can use up to 10GB.

Warning: Gigamove is intended for short-term exchanges and not for longer storage of data. An uploaded file is available up to 14 days and is deleted at the end of this period!

Under the tab "Request file" you can send a link to your fellow students where they can upload a file of up to 2 GB onto your webspace

Under "Manage Files" you can see all your uploaded files and, for example, send download links for access to these files by E-mail, not only directly to your fellow students, but also to non-students.

che	Mer	kliste	Konto	Weitere /	Inge	ebote			
tie Su	ing 's	iuchveri	auf					Information	Hill
rachau	swahl	deutsch	englisch						
uchein	gabe								
Freie S	che			101					
und		Titelstich	wort	141					
und		Autor /H	irso. (nur einer)					Index	
und	4	Schlagwa	rt					Index	
und									
Suche	in Onli	ne-Katak	og der TU Mün	chen		Zurüde	etzen Suchen		
suche	eingre	nzen	Sucheinst	ellungen	0	atenbank-Auswahl			
oeni	we Suc	he O	auch ähnliche	Beariffe find	len				
Abbala				-		Suche in Teilbibliothek			

ACHTUNG: PHISHING
Ashbox file and dis becould a biful
Achten Sie auf die Korrekte URL https://login.eaccess.ub.tum.de/login.oder
https://eaccess.ub.tum.de/login im Browser!
Hinweise zu Phishing 🖸
en der TUM den Zugnft auf lizenzierte Elektronische Ressourcen der
I sind, können in eine unserer Teilbibliotheken kommen, um Zugang zu
ht Ihnen auf allen Benutzer-PCs zur Verfügung. Die Nutzung von eAccess

Finding literature and using e-media

With nearly two million printed and electronic media, the university library (UB) offers a comprehensive range of learning and information services for your course of studies.

www.ub.tum.de/en

OPAC online catalog

You can search for all of the available UB media through the OPAC and OPACplus catalogs.

- ... You can use OPAC to search for all print and electronic media and borrow it or access it online.
- ... You can use OPACplus to search for newspaper articles, books or conference transcripts.

www.ub.tum.de/en/tum-opac

Using e-media with eAccess

You're not on campus or don't use eduroam?

No problem. With eAccess, you can use e-books, e-journals and UB databases from anywhere.

Simply sign-on to eAccess with your TUM ID and your personal password (7 page 3):

https://login.eaccess.ub.tum.de/login

Free Software for Students

The TUM offers you a variety of free software via campus agreements.

You can find an overview about the software offers at www.it.tum.de/en/software

Citavi & EndNote

Typing is so last century! Citavi und EndNote are free and can help to get your list of literature in form.

Origin

The data analysis software Origin.

MathWorks

MathWorks products, such as Matlab can be downloaded.

MindManager

MindManager helps to professionally map your planning and project processes.

ANSYS

The simulation software ANSYS is available from Leibniz-Rechenzentrum (LRZ) free of charge.

Chem Draw

ChemDraw is a software to draw chemical structures.

ESRI/ArcGis

ArcGis is a geoinformation system which helps you to evaluate geographical data and illustrate it.

Microsoft Software

Students have the opportunity to download different free Microsoft products from the DreamSpark program, e. g. Windows, Office 365 for students and the Power point add-on think-cell via the portal StudiSoft. You need to log in with your TUM ID and your personal password (7 page 3).

Apple Store Education

Using the Apple Store Education you can buy hard- and software by apple for private use at favorable prices: **www.apple.com/education/**

Direct from the software manufacturer

Some software manufacturer's offer student specials. For more information please check their Websites.

Maxon Cinema4D reg.maxon-campus.net

Autodesk, various products https://autodesk.com/education/student-software

Graphisoft Archicad www.graphisoft.de/ausbildung/

Nemetschek Allplan https://campus.allplan.com/de.html

Computer Pools at TUM

You need specific software or your computer is too slow? No problem! All departments offer on-site Computer Rooms for students. A general overview of the Computer-Pools is available here:

www.it.tum.de/en/cip-pools

Department of Architecture

The computer room -1719 is open 24/7.

Dep. of Civil, Geo and Environmental Engineering

Computer rooms 3209, 3238 and **N0199a** are open: Mon. – Fri. 06:00 am – 12 midnight Sat. – Sun. 10:00 am – 10:00 pm Authentification via your LEGIC-/ Student Card enables access.

Department of Chemistry

Computer room CH 21 019 is located right next to the main entrance of the chemistry building. Please ask for the opening hours on-site.

Dep. of Electrical and Computer Engineering

Computer rooms 0921 (EIKON Tower), **-1947** and **-1993** are open daily 06:45 am – 12 midnight

Department of Informatics

Computer rooms 00.05.011 and 00.07.023 are open Mon. – Fri. 08:00 am – 10:00 pm

Department of Mechanical Engineering

Computer rooms U450, 0450, U550, 0550 and **0050** are available for use outside lecture times. Please check the opening hours on-site.

Department of Mathematics

Computer rooms 00.05.011 and **00.07.023** are open Mon. – Fri. 08:00 am – 10:00 pm

Department of Physics

Computer rooms 1151, 1161 and the **Mini-Pool (2259)** open Mon. – Fri. 08:00 am – 10:00 pm

Department of Sport and Health Sciences

 Computer rooms L102 and L106/L110 are open

 Mon. – Fri.
 06:00 am – 09:00 pm

 Sat.
 08:00 am – 08:00 pm

TUM School of Education

The **computer room** is on the **1st floor** of **Marsstr. 20.** Please check the opening hours on-site.

TUM School of Governance

Please ask on-site.

TUM School of Medicine

The medicine computer rooms can be found in the
"Lern- und Trainingszentrum" (LUTZ) and are open
Mon. – Thu. 09:00 am – 07:00 pmFri.09:00 am – 04:00 pm

TUM School of Management

The **computer rooms 0510** and **Z510** are accessible 24/7 and require a PIN-code. You can get the PIN-code from your student council.

TUM School of Life Sciences Weihenstephan

You can find an overview on the **IT Rooms** and IT services in Weihenstephan on the **following pages.**

Positions of IT-rooms on

Campus Weihenstephan



4	2	14	

4220

HU24A		EGL12
HU34A		DGL01
		DGL11
4215		DGL05 ITW Helpdesk
PU26		4277
PU26A	GIS Labor	1.2.EG19 PC Labor
PU26B	PU Druckerraum	2.1.EG06 S6

IT-Weihenstephan (ITW)



The ITW offers a variety of IT-services for students on Campus Weihenstephan.

www.itw.wzw.tum.de helpdesk@wzw.tum.de

Contact and Opening Hours

Maximus-von-Imhof-Forum 3, Room DGL 05 Telefon (0 81 61) 71-3245 Fax (0 81 61) 71-3762 **Opening Hours** Mo – Thu 10.30 am – 3.00 pm Fri 10.30 am – 1:00 pm

IT-rooms

There are 10 IT-rooms for students and employees on Campus Weihenstephan. Six of them are open 24h/7d. Please note and follow the "Acceptable Use Policies" and the "Campus Code of Conduct" of the TUM. Those guidelines are on display in every IT-room and on our website at "IT-Räume/Überblick".

Printing

To print in the IT-rooms your print quota needs sufficient balance. You can charge your print quota with tokens for sale at the ITW-Helpdesk. If there should be any problems, do not hesitate to contact the ITW-Helpdesk. For further information check our website at "IT-Räume/Drucken".

24h access

To use the IT-rooms 24/7 you need to renew our request for 24h access every semester. Please use the form you find at **www.wzw.tum.de/24hzugang**

Laptop rental

There are several laptops available for rent. You will find further information and the request form at "Für Studenten/Laptop ausleihen" on our website.

WZW-Fundbüro (lost Property)

Alte Akademie 1, phone (0 81 61) 71-3220 You can drop off lost property at the Helpdesk. We will transfer it to the "Fundbüro" where you can ask for lost property.

Imprint

Technische Universität München

Arcisstrasse 21, 80333 München, www.tum.de/en

Chair of Architectural Informatics Prof. Dr.-Ing. Frank Petzold

www.ai.ar.tum.de/en

ar:toolbox (design, prepress) Dipl.-Ing. Klaus Puchta www.artoolbox.ar.tum.de

IT-Servicecenter of TUM (editorial)

Dipl.-Phys. Albert Lauchner Dipl.-Ing. Annekatrin Witte www.it.tum.de/en

September 2018

We are grateful for the valuable support of:

The faculties involved, IT Service Group Garching (RBG) Dipl.-Ing. Tobias Döring, Benjamin Mühlhaus, Peter Prey Dipl.-Ing. Sebastian Haß, Dipl.-Ing. Simon Endres, Sorush Ramezanpour, Wyly Brown MArch., Architect, Daniel Hawpe, Sarah Jenney M.A., Architect

Graphics:

iPhone – http://pixelb.in HTC – Ondrej Lechan via pixelpixelpixel.com Windows Phone – villardlee via pan.baidu.com iPad – http://www.teehanlax.com Nexus 7 – http://www.elegantthemes.com

Logos/IT Guy:

Eye designed by P.J. Onori, Cup designed by Dmitry Baranovskiy, modified by the authors, Cloud Storage designed by Dan Hetteix, all The Noun Project; Wireless from The Noun Project. https://thenounproject.com