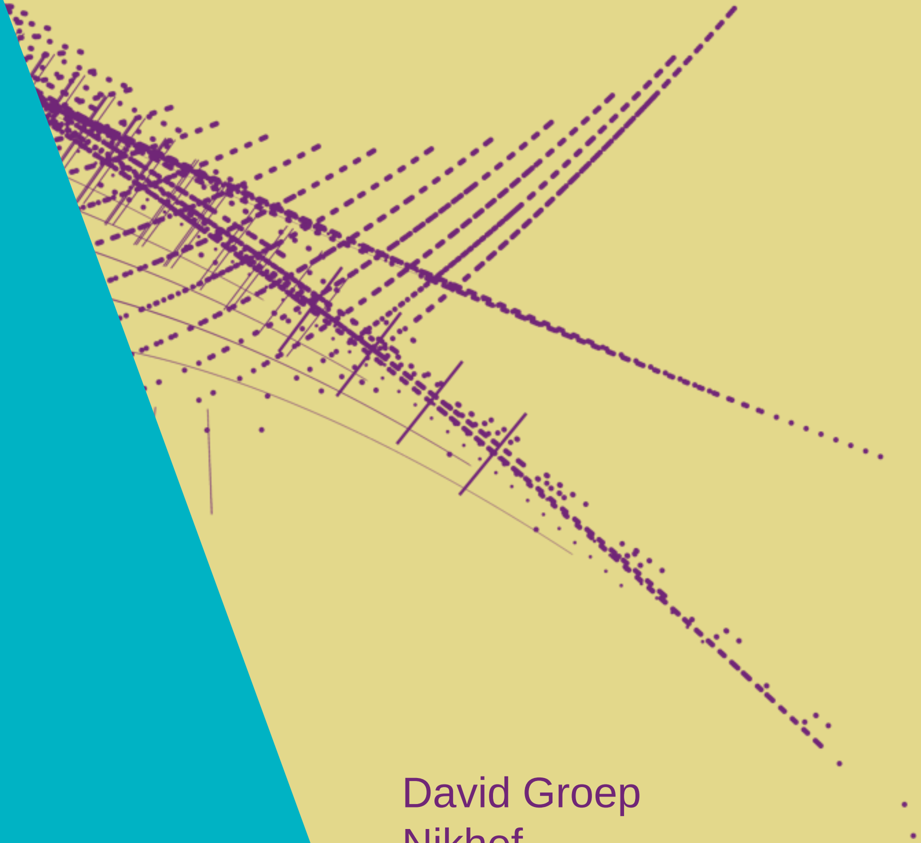
how to work together, with help at hand

You, your laptop, and somebody else

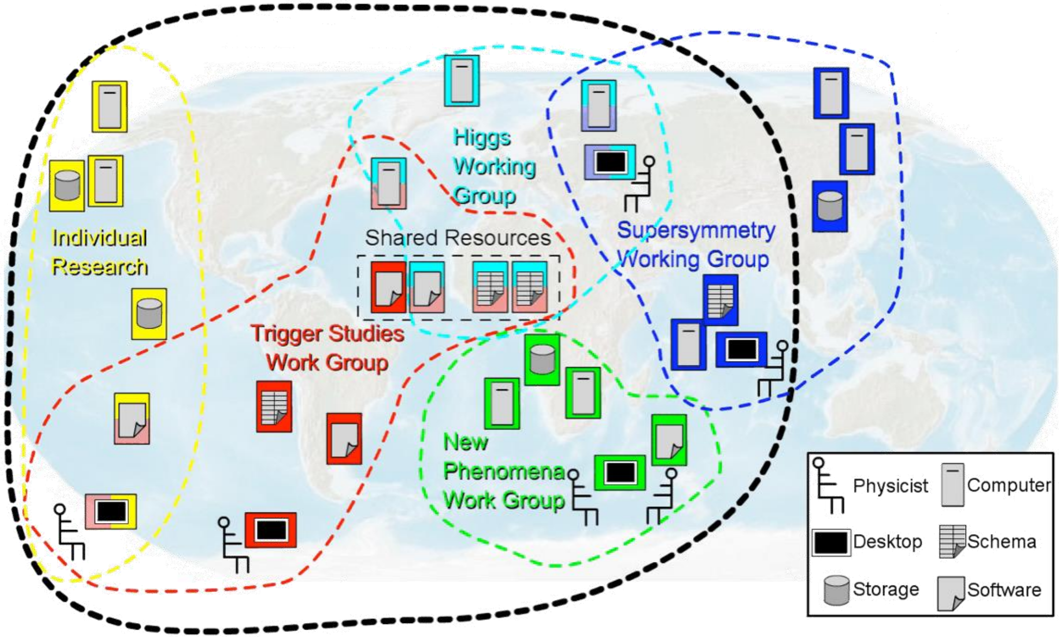


David Groep
Nikhef
Computing Course 2024

Objectives for this session

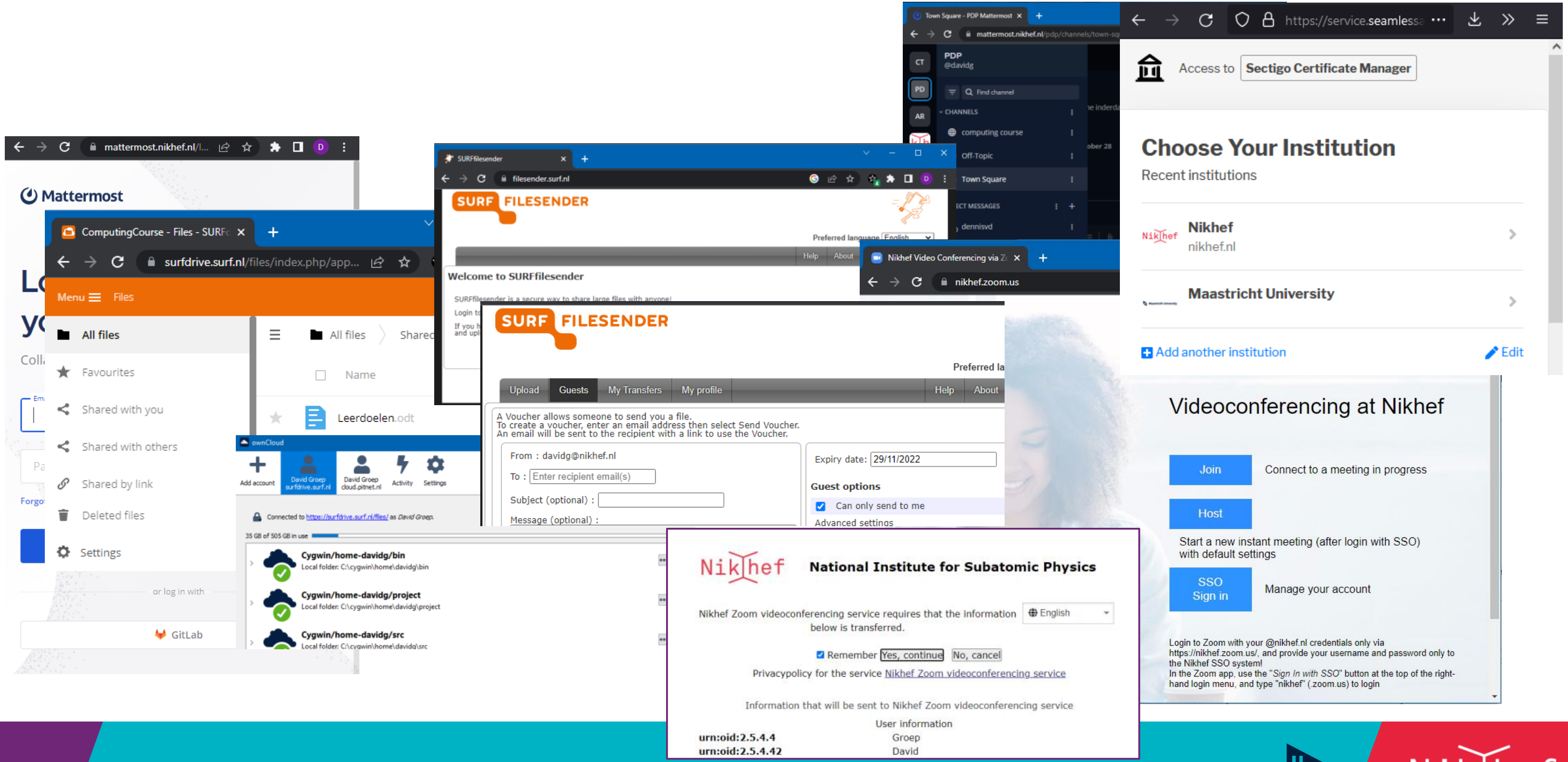
- Know how to use Identity Services & Federated Login
- Know how to send big files: Surf File Sender
- Know how to find and use SurfDrive and CernBox
- Understand which services are safe to use and which are not
- Know how to use collaborative tools like Mattermost
  and some other nice collaboration services …
- Security and safety in collaboration – ready to take on the world?

Actual collaborations



Left image source: GGF 2003, by way of Ruth Pordes: Paradyn and Condor Week 2004; Photo on the right by Valiant Made on Unsplash

Services for collaboration



mattermost.nikhef.nl/l...

Mattermost

Coll

or log in with

GitLab

ComputingCourse - Files - SURFc

surfdrive.surf.nl/files/index.php/app...

Menu ☰ Files

- All files
- Favourites
- Shared with you
- Shared with others
- Shared by link
- Deleted files
- Settings

All files > Shared

□ Name

☆ Leerdoelen.odt

ownCloud

Add account | David Groep surfdrive.surf.nl | David Groep cloud.pitnet.nl | Activity | Settings

Connected to https://surfdrive.surf.nl/files/ as *David Groep.*

35 GB of 505 GB in use

Cygwin/home-davidg/bin
Local folder: C:\cygwin\home\davidg\bin

Cygwin/home-davidg/project
Local folder: C:\cygwin\home\davidg\project

Cygwin/home-davidg/src
Local folder: C:\cygwin\home\davidg\src

SURFfilesender

filesender.surf.nl

SURF FILESENDER

Preferred language English

Help | About

Welcome to SURFfilesender

SURFfilesender is a secure way to share large files with anyone!

SURF FILESENDER

Preferred la

Upload | Guests | My Transfers | My profile | Help | About

A Voucher allows someone to send you a file.
To create a voucher, enter an email address then select Send Voucher.
An email will be sent to the recipient with a link to use the Voucher.

From : davidg@nikhef.nl

To : Enter recipient email(s)

Subject (optional) :

Message (optional) :

Expiry date: 29/11/2022

Guest options

☑ Can only send to me

Advanced settings

Town Square - PDP Mattermost

mattermost.nikhef.nl/pdp/channels/town-sq

PDP
@davidg

Find channel

CHANNELS
- computing course
- Off-Topic
- Town Square

DIRECT MESSAGES
- dennisvd

Nikhef Video Conferencing via Z

nikhef.zoom.us

https://service.seamlessa

Access to Sectigo Certificate Manager

Choose Your Institution

Recent institutions

Nikhef
nikhef.nl

Maastricht University

Add another institution | Edit

Videoconferencing at Nikhef

Join — Connect to a meeting in progress

Host — Start a new instant meeting (after login with SSO) with default settings

SSO Sign in — Manage your account

Login to Zoom with your @nikhef.nl credentials only via https://nikhef.zoom.us/, and provide your username and password only to the Nikhef SSO system!
In the Zoom app, use the "*Sign In with SSO*" button at the top of the right-hand login menu, and type "nikhef" (.zoom.us) to login

Nikhef National Institute for Subatomic Physics

Nikhef Zoom videoconferencing service requires that the information below is transferred.

English

☑ Remember Yes, continue No, cancel

Privacypolicy for the service Nikhef Zoom videoconferencing service

Information that will be sent to Nikhef Zoom videoconferencing service

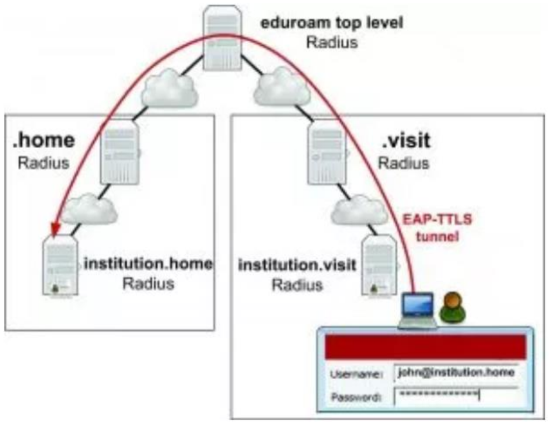
	User information
urn:oid:2.5.4.4	Groep
urn:oid:2.5.4.42	David

The most simple service to get out of your laptop

Do you also have a UvA account? Login to eduroam using Nikhef credentials or use the “NIKHEF” network – otherwise you cannot print here (but your printing will go to the UvA

Global WiFi access for research & education

- same SSID everywhere
- same authentication method (802.1x + EAP)
- your name and password are never revealed to the visited site, only to Nikhef
- Through an encypted tunnel (TTLS) to send your credentials (PAP), or asymmetric authentication with certificates (TLS)



Many places: all Dutch R&E sites, a private home in Utrecht, Geneva airport, all bus stops in Poznan, Australia, UNLP La Plata …

eduroam: Klaas Wieringa et al., image from https://eduroam.org/how/, GEANT ; use the eduroam CAT tool, the Nikhef helper app, or go to https://wiki.nikhef.nl/ct/Eduroam

Federated Authentication and Authorization Infrastructure

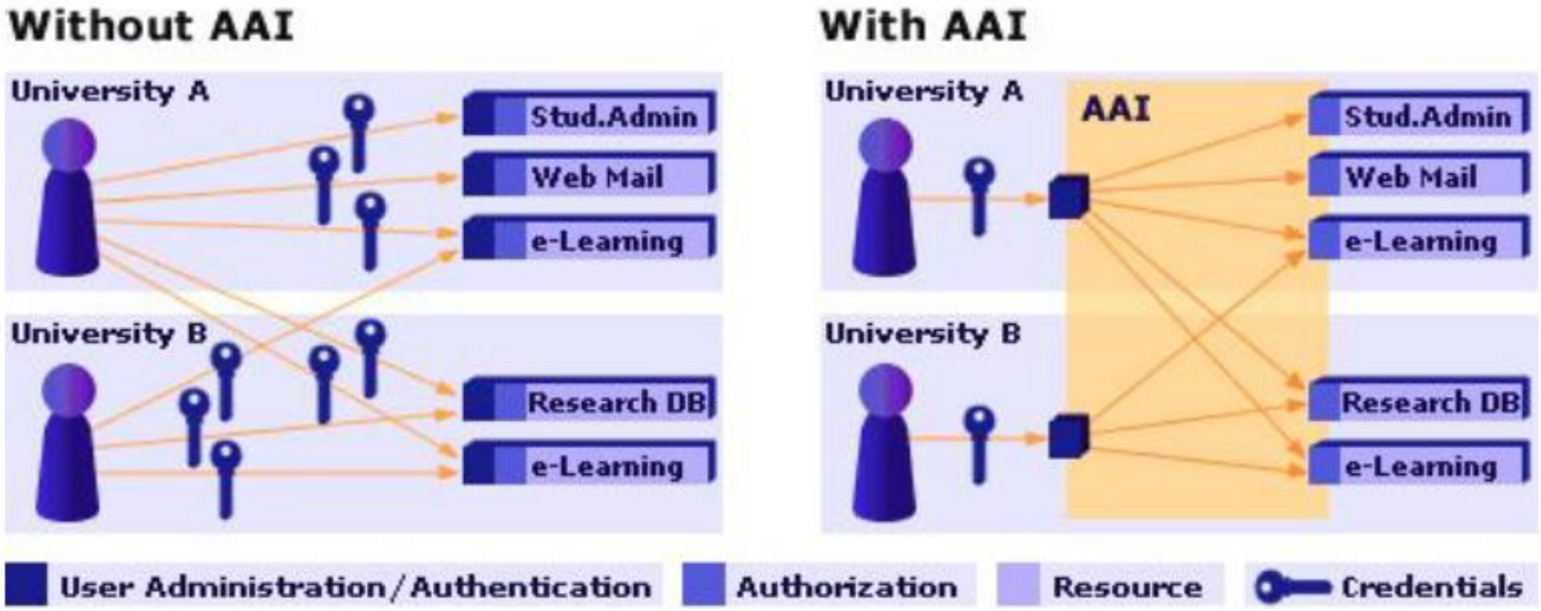
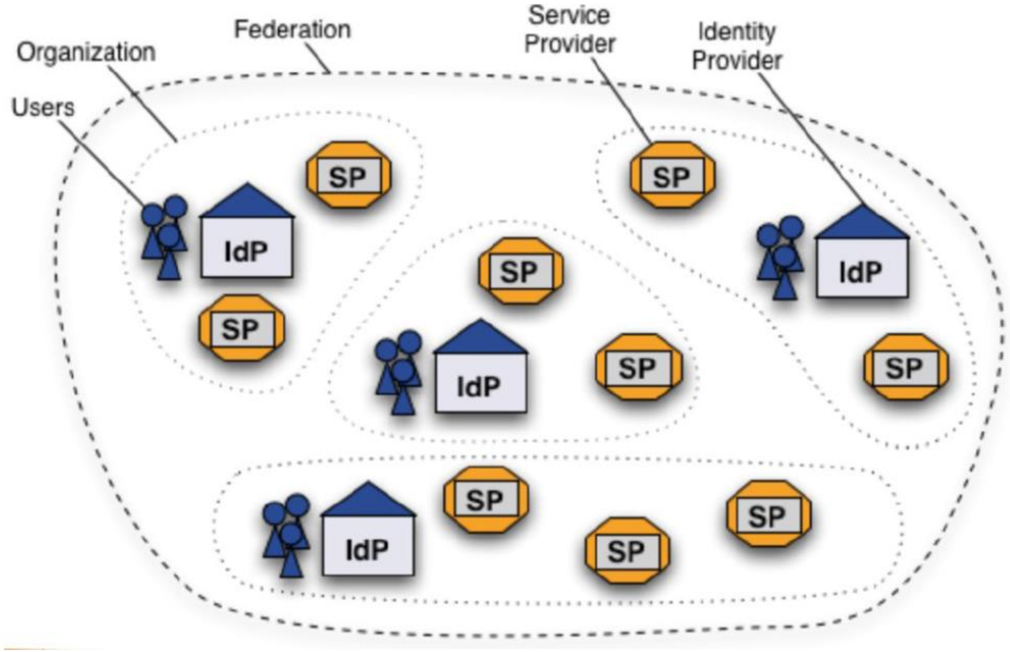


Image: AARC NA2 training module “Authentication and Authorisation 101” - https://aarc-community.org/training/aai-101/

Many organisations



Shibboleth IdP image and SAML2 auth flow by SWITCH (CH)

Federated identity - SURFconext

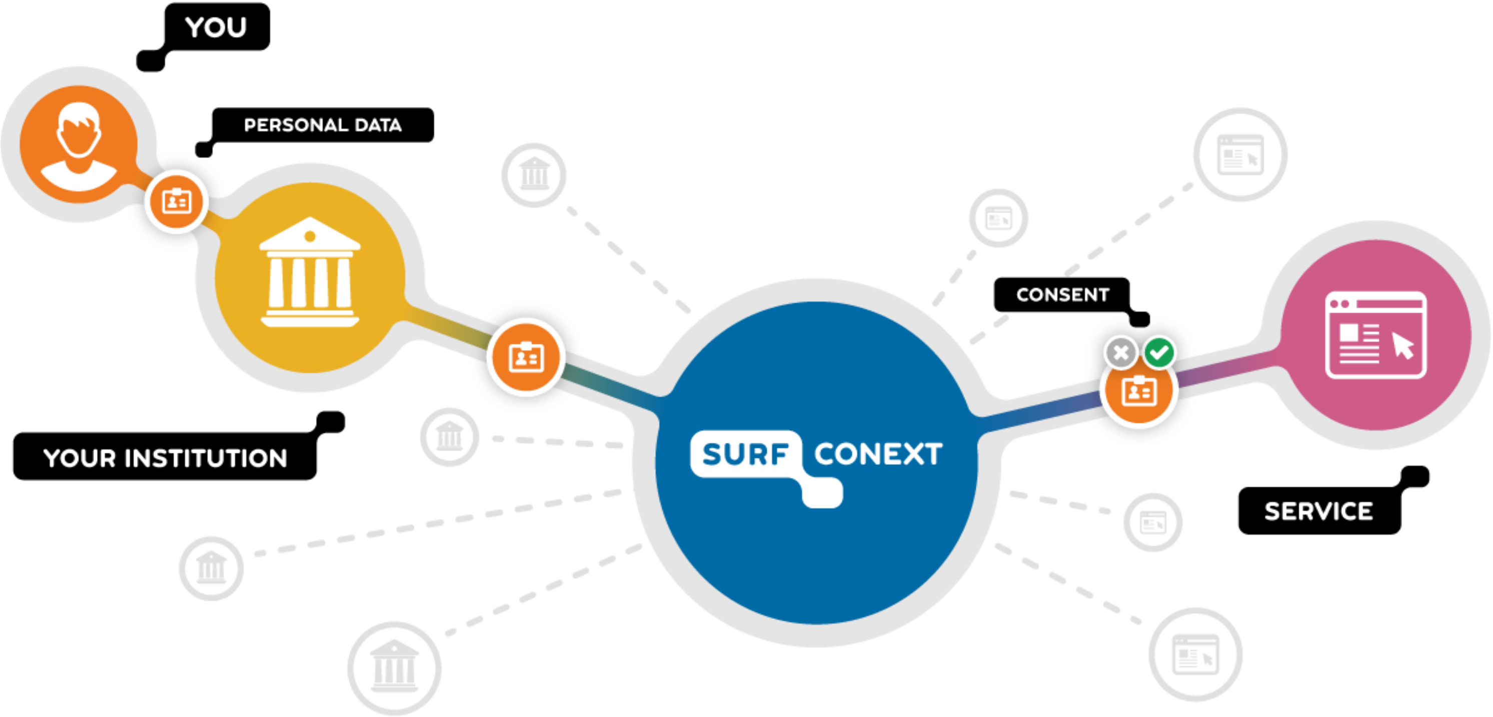
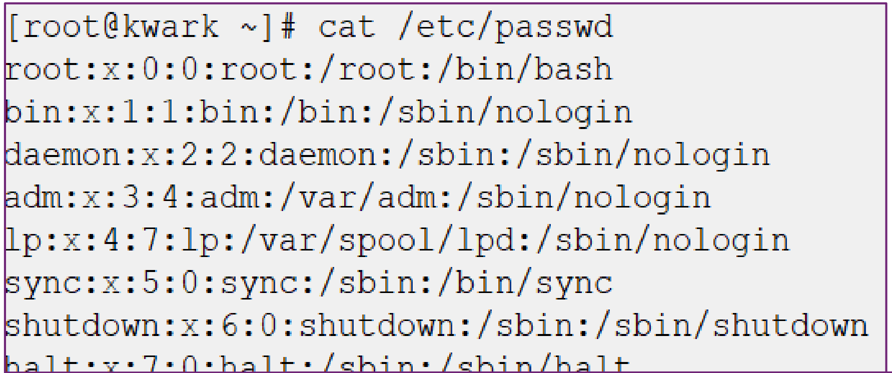


Image: SURFconext dashboard, https://profile.surfconext.nl/

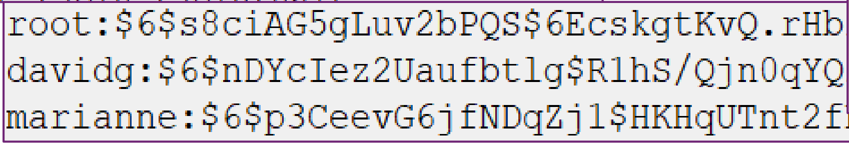
Authentication – who are you

To a single system or service relatively simple

- per-system identity (username) and secrets (e.g. password or TOTP token)
- server-side: list of valid users and (salted and hashed) secrets



```
[root@kwark ~]# cat /etc/passwd
root:x:0:0:root:/root:/bin/bash
bin:x:1:1:bin:/bin:/sbin/nologin
daemon:x:2:2:daemon:/sbin:/sbin/nologin
adm:x:3:4:adm:/var/adm:/sbin/nologin
lp:x:4:7:lp:/var/spool/lpd:/sbin/nologin
sync:x:5:0:sync:/sbin:/bin/sync
shutdown:x:6:0:shutdown:/sbin:/sbin/shutdown
halt:x:7:0:halt:/sbin:/sbin/halt
```



```
root:$6$s8ciAG5gLuv2bPQS$6EcskgtKvQ.rHb
davidg:$6$nDYcIez2Uaufbtlg$R1hS/Qjn0qYQ
marianne:$6$p3CeevG6jfNDqZj1$HKHqUTnt2fEqQIkA/m5J56A0A0Z5VgLCK0SQnPs
```

Passport image: cropped from original by Jon Tyson on Unsplash https://unsplash.com/photos/Hid-yhommOg

Authorization: what you are allowed to do

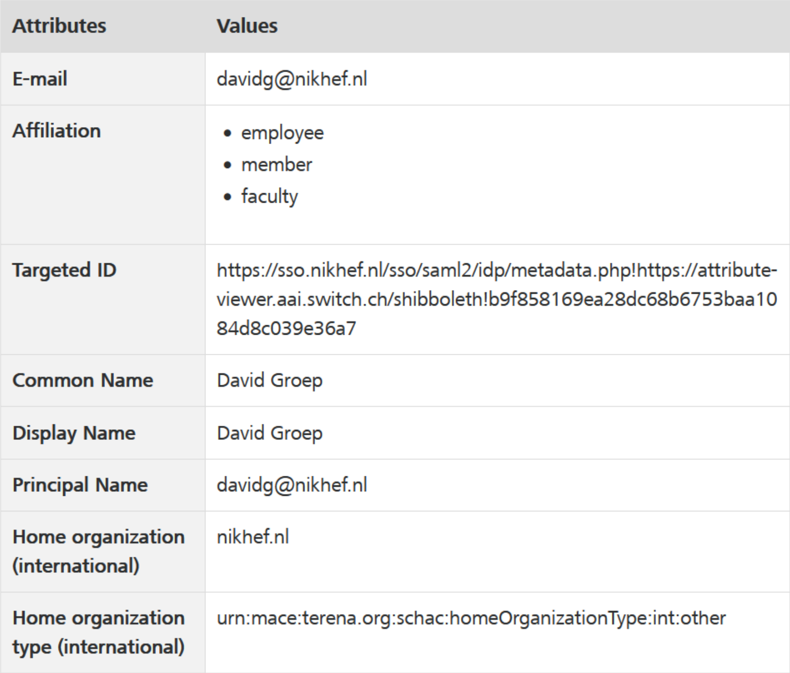
- you may need to ‘collect’ assertions
  bound to your identity to gain access to services
- like visa, bound to your entity through either Nikhef, or
- a community attribute authority (VOMS, IAM Proxy, …)

- in the collaboration cases here
  the assertions you collect
  from the Nikhef Identity Provider (‘SSO’) are enough

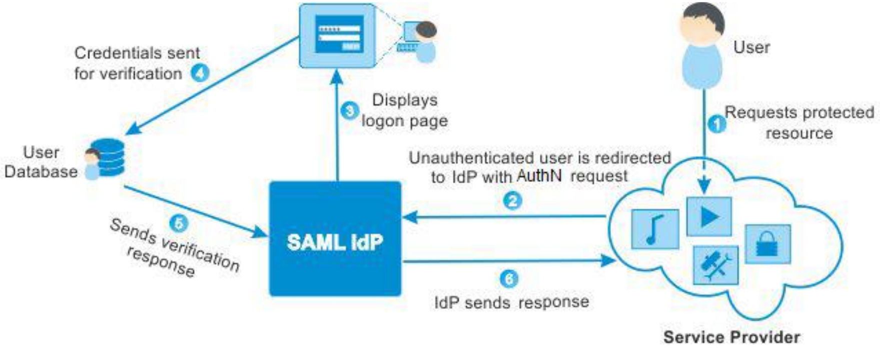
- Service provider ultimately determines access
- although some have a very ‘open’ policy, like we do for eduroam network access

USA visa image source: https://2009-2017.state.gov/m/ds/rls/rpt/79785.htm

SAML federation and Nikhef SSO



Attributes	Values
E-mail	davidg@nikhef.nl
Affiliation	• employee • member • faculty
Targeted ID	https://sso.nikhef.nl/sso/saml2/idp/metadata.php!https://attribute-viewer.aai.switch.ch/shibboleth!b9f858169ea28dc68b6753baa1084d8c039e36a7
Common Name	David Groep
Display Name	David Groep
Principal Name	davidg@nikhef.nl
Home organization (international)	nikhef.nl
Home organization type (international)	urn:mace:terena.org:schac:homeOrganizationType:int:other


Credentials sent for verification 4
User Database
Displays logon page 3
User
1 Requests protected resource
Unauthenticated user is redirected to IdP with AuthN request
2
5 Sends verification response
SAML IdP
6
IdP sends response
Service Provider

“SAML2.0” login flow

Try at https://attribute-viewer.nikhef.nl/

SAML WebSSO flow image: SWITCH, CH

Not all services are created equal

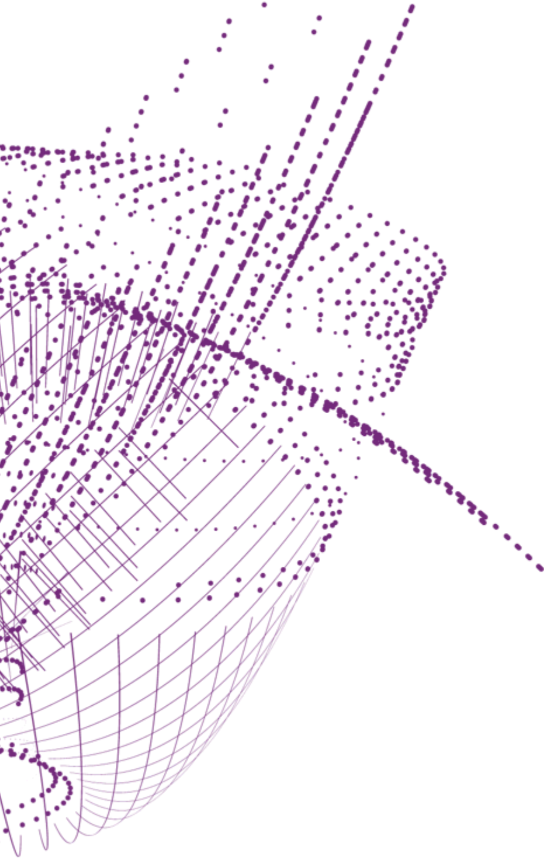
Although you may not think about it all the time …

- your personal data is sensitive (and can be used for identity theft)
- the data you store and share can also be sensitive
  - your appraisals and C3 documents should probably not be world-readable by a random ‘free’, ‘cloud’ provider- not should your email (since you mail those documents)
  - Nikhef data can be sensitive as well: we got it under ‘non disclosure agreements’ from suppliers, or work with industry (e.g. in Detector R&D)
  - Or can be dual-use (even if you don’t realise it)

So, while you collaborate freely:

- never, ever, put your Nikhef password in another service than @Nikhef (that’s why we have federation)
- use Nikhef-endorsed services for sharing personal and sensitive data, which includes email
- we **want you to collaborate**, and **rely on your cooperation**

See https://wiki.nikhef.nl/nikhef/ctb/NikIDM/Services (accessible from within Nikhef and on eduVPN) for federated services and attribute release



‘I want to send a big file to Jane Doe’

FileSender

Sending larger files

Email is only for very small files

- order kilobytes (and less than 1MByte)
- only to one recipient – otherwise the size just multiplies
- and even then: how many times did you discover a mistake just after sending?

For sharing larger files

- SURF **FileSender**: trusted, and potentially encrypted, sending of large files
  - can be even a terabyte or so ☺
  - you can also issue vouchers so **others can upload files to you**

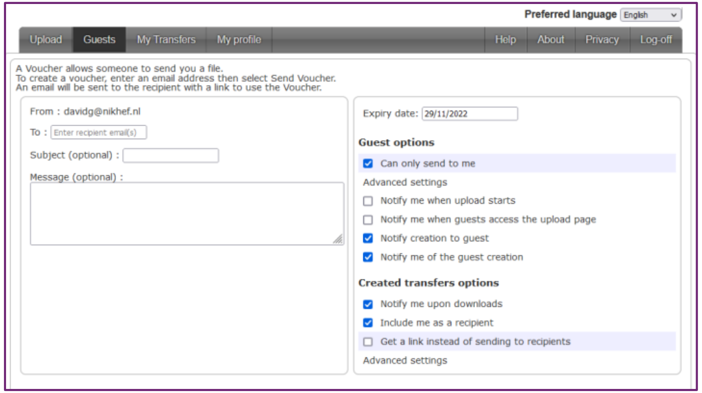
- **SURFdrive** (or **CERNbox**) sharing links
  - you can still update the documents after sending the mail
  - integrated in your sync-n-share environment
  - total file size up to 500 GByte

FileSender

https://filesender.surf.nl/

- Unlimited file size
- Federated login
- Download notification and statistics, overview of pending transfers
- Can send mail directly or give you a link
- 3 week download period, 2 months upload window

- Safe and private storage at SURF (Amsterdam)
- Transfers can be **encrypted** (send key out of band)
- Endorsed, trusted service (obviously ad-free)



A Voucher allows someone to send you a file.
To create a voucher, enter an email address then select Send Voucher.
An email will be sent to the recipient with a link to use the Voucher.

From : davidg@nikhef.nl

To : Enter recipient email(s)

Subject (optional) :

Message (optional) :

Expiry date: 29/11/2022

Guest options

☑ Can only send to me

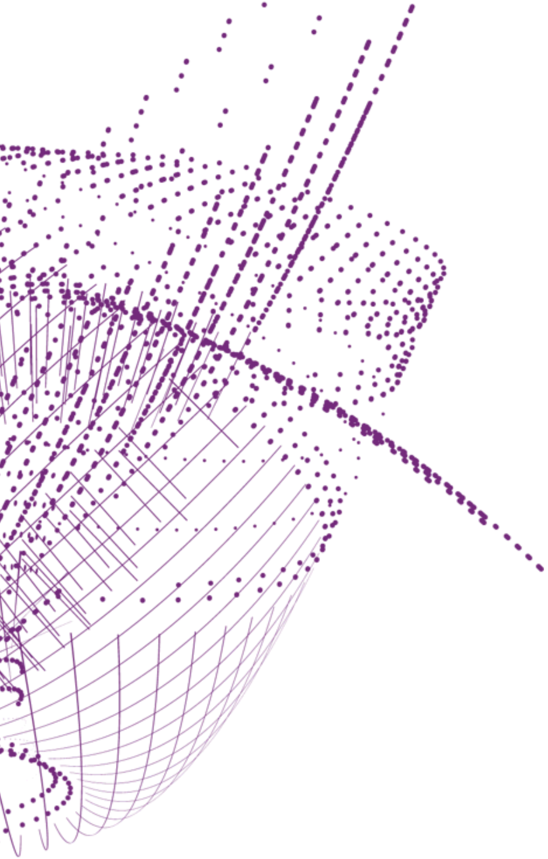
Advanced settings

☐ Notify me when upload starts
☐ Notify me when guests access the upload page
☑ Notify creation to guest
☑ Notify me of the guest creation

Created transfers options

☑ Notify me upon downloads
☑ Include me as a recipient
☐ Get a link instead of sending to recipients

Advanced settings



Collaborative Sync & Share Services, a.k.a. ‘CS3’

SURFdrive and CERNbox

Collaborative Sync-and-Share Service (‘CS3’) for files

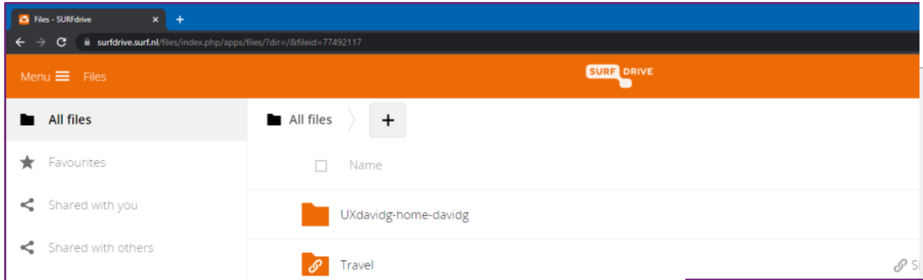
Sharing files and collaborative documents, results, papers, or your photos

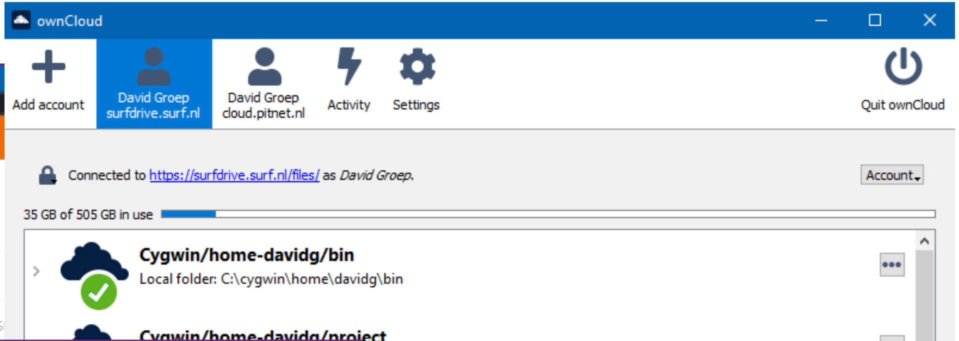
- SURFdrive (and CERNbox that uses the same technology)
- 500 GByte
- you can create project/group folders (but use wisely)
- share with people in NL universities and institutes, with invited guests, or fully public links for everyone else in the world
- collaborative editing using Collabra OpenOffice
- web-based and sync-client access
- not encrypted at rest (but the people at SURF are not looking at your data)

Then

- Nikhef AUP is pretty open on how to use that 500 GByte on SURFdrive
- CERNbox subject to OC5 and OC11

SURFdrive





Connected to https://surfdrive.surf.nl/files/ as *David Groep*.

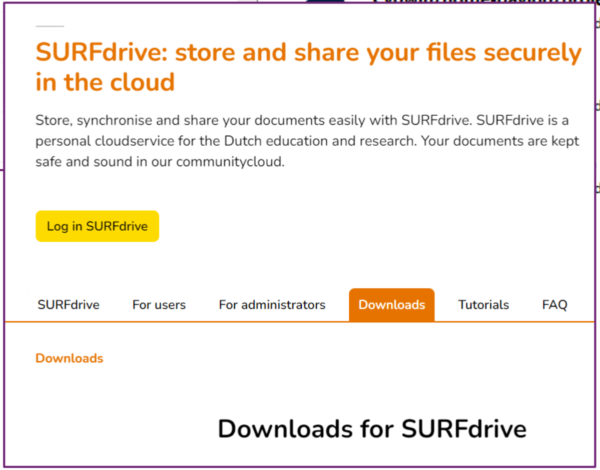
35 GB of 505 GB in use

Cygwin/home-davidg/bin
Local folder: C:\cygwin\home\davidg\bin

Cygwin/home-davidg/project
...dg\project

...dg\src

...dg\tmp



SURFdrive: store and share your files securely in the cloud

Store, synchronise and share your documents easily with SURFdrive. SURFdrive is a personal cloudservice for the Dutch education and research. Your documents are kept safe and sound in our communitycloud.

Downloads for SURFdrive

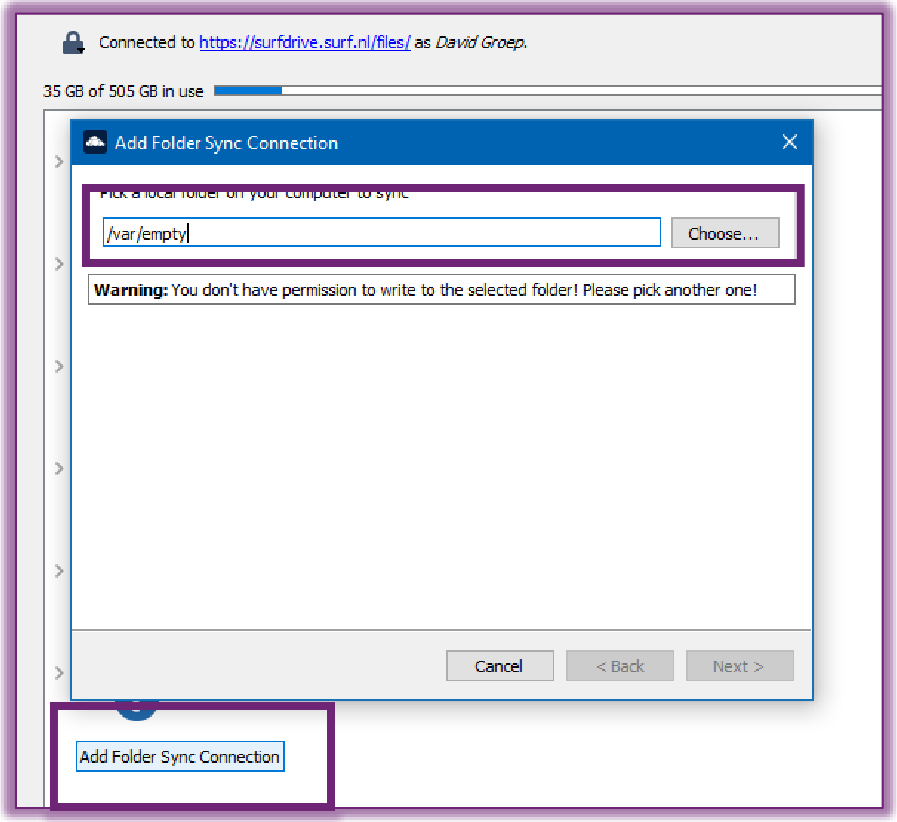
Also provides

- 30-day roll-back of changed or deleted files
- limited protection against ransomware (restore of ‘everything’ is quite hard)

Web interface at https://surfdrive.surf.nl/ - client download at https://www.surf.nl/en/downloads-for-surfdrive or use the OwnCloud client (if you already run OwnCloud)

Folder sync connection and VFS virtual file systems

try it live!



Connected to https://surfdrive.surf.nl/files/ as *David Groep*.

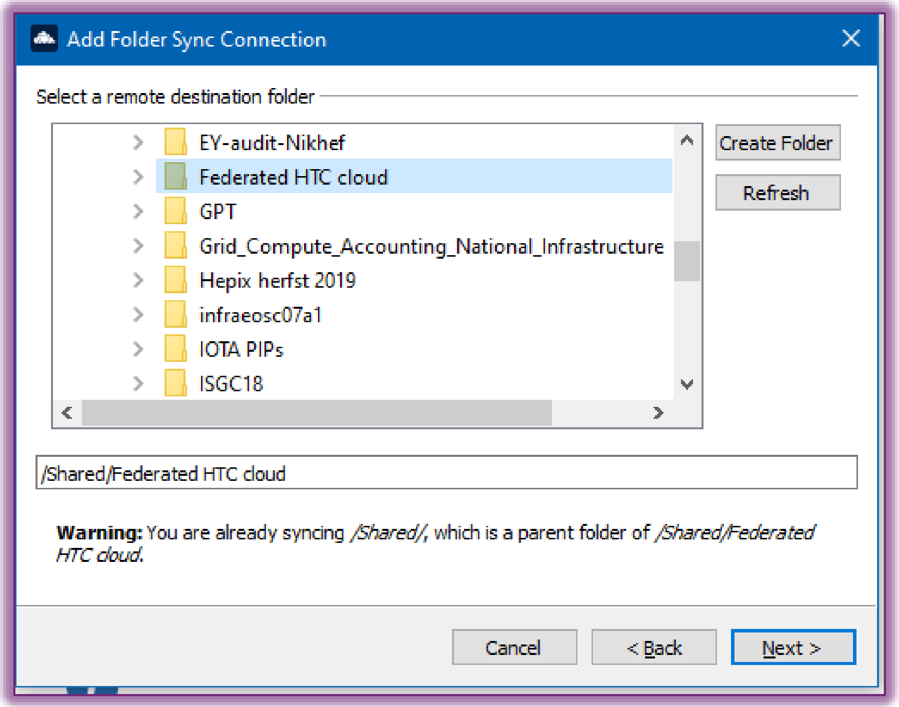
35 GB of 505 GB in use

Add Folder Sync Connection

Pick a local folder on your computer to sync

/var/empty

Warning: You don't have permission to write to the selected folder! Please pick another one!



Add Folder Sync Connection

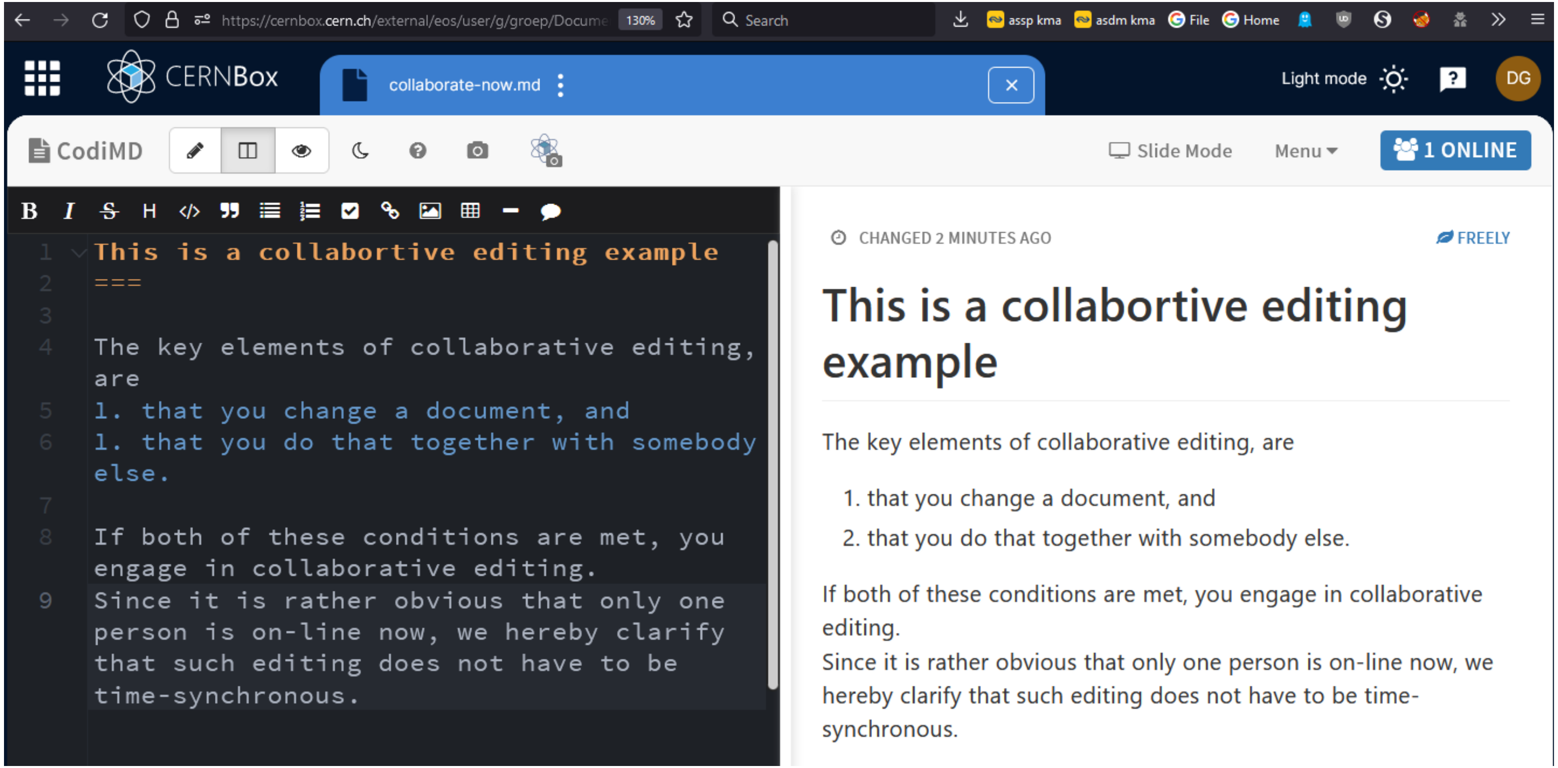
Select a remote destination folder

- EY-audit-Nikhef
- Federated HTC cloud
- GPT
- Grid_Compute_Accounting_National_Infrastructure
- Hepix herfst 2019
- infraeosc07a1
- IOTA PIPs
- ISGC18

/Shared/Federated HTC cloud

Warning: You are already syncing */Shared/*, which is a parent folder of */Shared/Federated HTC cloud*.

But this is also a great way of working on documents



```
This is a collabortive editing example
===

The key elements of collaborative editing, are
1. that you change a document, and
1. that you do that together with somebody else.

If both of these conditions are met, you engage in collaborative editing.
Since it is rather obvious that only one person is on-line now, we hereby clarify that such editing does not have to be time-synchronous.
```

This is a collabortive editing example

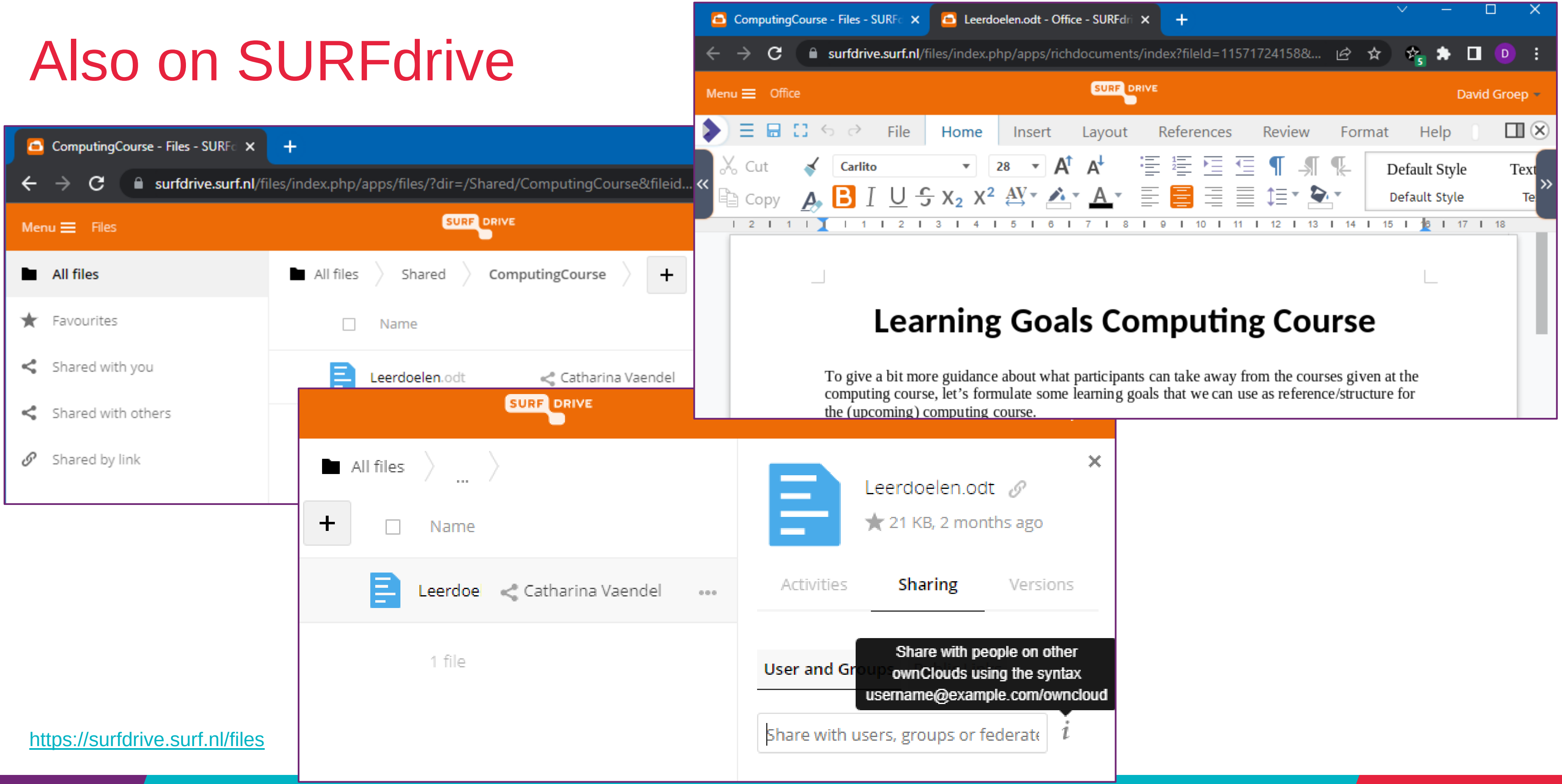
The key elements of collaborative editing, are

1. that you change a document, and
2. that you do that together with somebody else.

If both of these conditions are met, you engage in collaborative editing.
Since it is rather obvious that only one person is on-line now, we hereby clarify that such editing does not have to be time-synchronous.

Example above from CERNbox, editing a markdown file. It also works on Word documents, spreadsheets, and presentations.

Also on SURFdrive



ComputingCourse - Files - SURFdrive | Leerdoelen.odt - Office - SURFdrive

surfdrive.surf.nl/files/index.php/apps/richdocuments/index?fileId=11571724158&...

Menu ☰ Office — SURF DRIVE — David Groep

File | Home | Insert | Layout | References | Review | Format | Help

Cut | Copy | Carlito | 28 | Default Style | Text

Learning Goals Computing Course

To give a bit more guidance about what participants can take away from the courses given at the computing course, let's formulate some learning goals that we can use as reference/structure for the (upcoming) computing course.

ComputingCourse - Files - SURFdrive

surfdrive.surf.nl/files/index.php/apps/files/?dir=/Shared/ComputingCourse&fileid...

Menu ☰ Files — SURF DRIVE

- All files
- Favourites
- Shared with you
- Shared with others
- Shared by link

All files › Shared › ComputingCourse

□	Name	
	Leerdoelen.odt	Catharina Vaendel

SURF DRIVE

All files › ... ›

□	Name	
	Leerdoe	Catharina Vaendel •••

1 file

Leerdoelen.odt

★ 21 KB, 2 months ago

Activities | Sharing | Versions

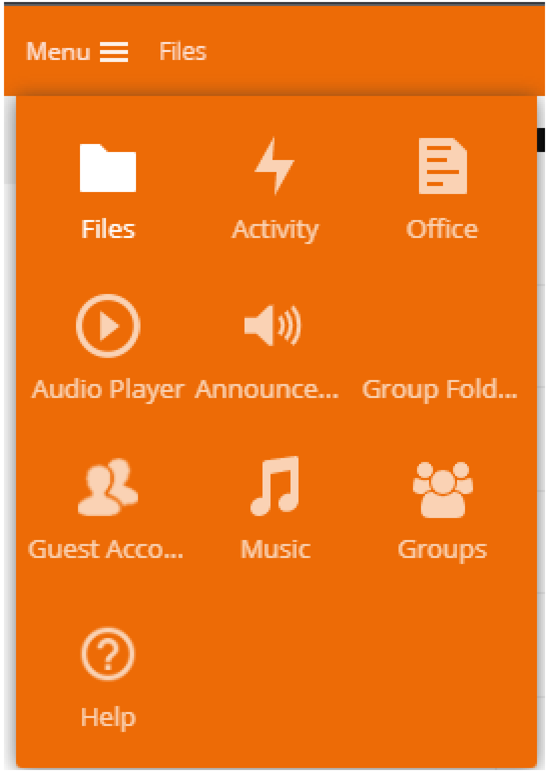
User and Groups

Share with people on other ownClouds using the syntax username@example.com/owncloud

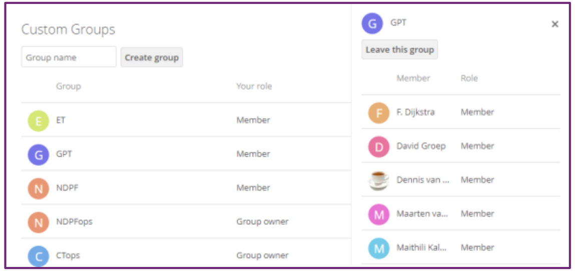
Share with users, groups or federate

https://surfdrive.surf.nl/files

SURFdrive allows to share with groups, and more



- you can share with all SURFdrive users
- groups also can contain ‘externals’ (NL & guests)



Custom Groups

Group name | Create group

Group	Your role
ET	Member
GPT	Member
NDPF	Member
NDPFops	Group owner
CTops	Group owner

GPT ×

Leave this group

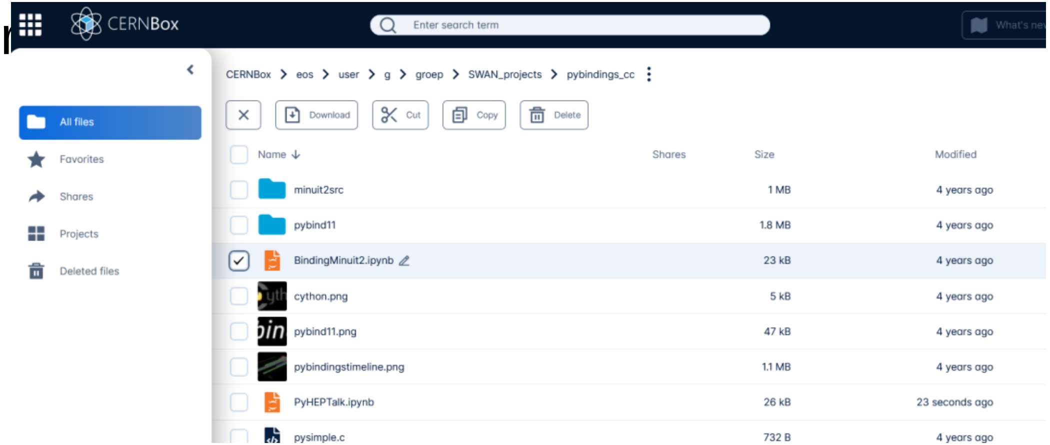
Member	Role
F. Dijkstra	Member
David Groep	Member
Dennis van ...	Member
Maarten va...	Member
Maithili Kal...	Member

- group *folders* are like ‘/project’ for collaboration
  - are 500 GByte each maximum, max 5 per person,
  - are charged per group folder, so don’t overdo it ☺
- it is possible to create **guest accounts** for external collaborators
- it is *not* a backup solution! it is ‘sync-n-share’ for documents, drawings, pictures, &c

CERNbox – same technology, with some extras @CERN

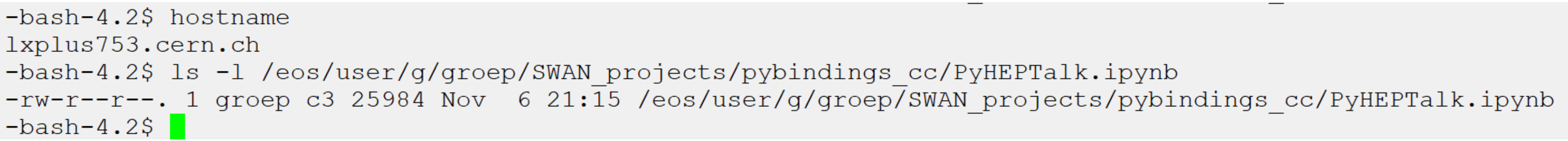
For CERN users only – sorry for

- CERNbox is linked to **SWAN** and **EOS**
- usually 1 TByte
- share with CERN users only (or fully public links)



CERNBox > eos > user > g > groep > SWAN_projects > pybindings_cc

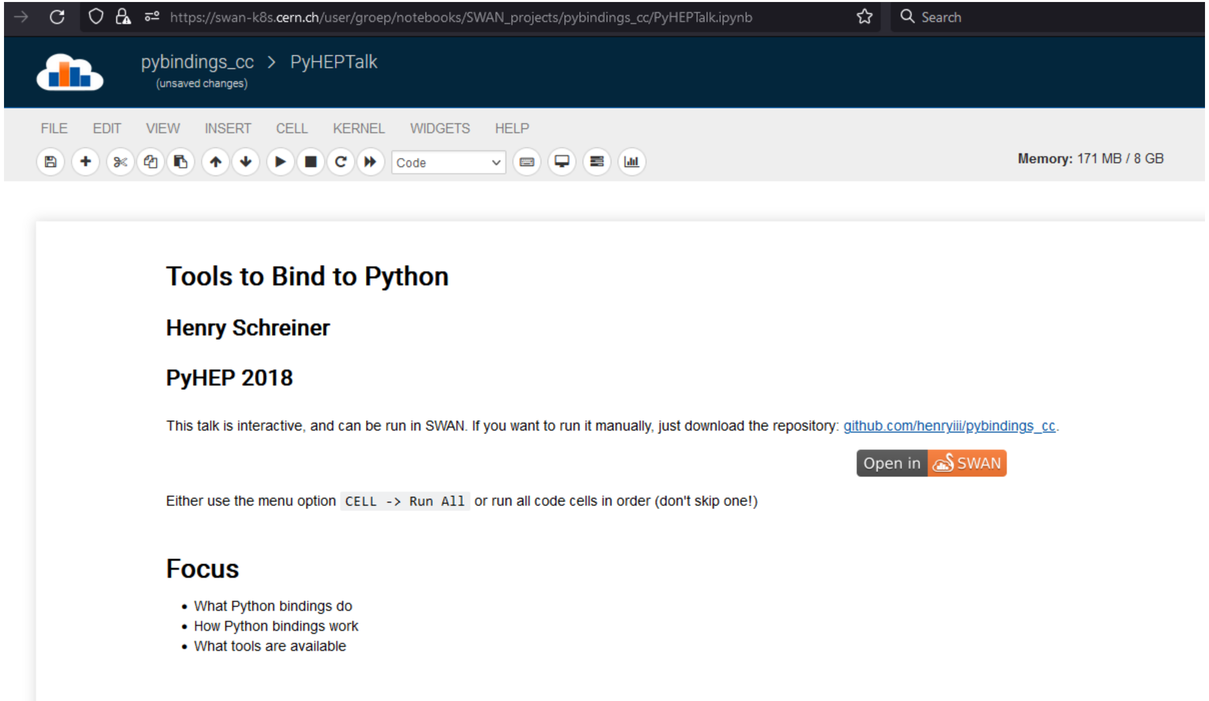
Name	Shares	Size	Modified
□ minuit2src		1 MB	4 years ago
□ pybind11		1.8 MB	4 years ago
☑ BindingMinuit2.ipynb		23 kB	4 years ago
□ cython.png		5 kB	4 years ago
□ pybind11.png		47 kB	4 years ago
□ pybindingstimeline.png		1.1 MB	4 years ago
□ PyHEPTalk.ipynb		26 kB	23 seconds ago
□ pysimple.c		732 B	4 years ago



```
-bash-4.2$ hostname
lxplus753.cern.ch
-bash-4.2$ ls -l /eos/user/g/groep/SWAN_projects/pybindings_cc/PyHEPTalk.ipynb
-rw-r--r--. 1 groep c3 25984 Nov  6 21:15 /eos/user/g/groep/SWAN_projects/pybindings_cc/PyHEPTalk.ipynb
-bash-4.2$ █
```

https://cernbox.cern.ch/

SWAN K8S


https://swan-k8s.cern.ch/user/groep/notebooks/SWAN_projects/pybindings_cc/PyHEPTalk.ipynb
Search
pybindings_cc > PyHEPTalk
(unsaved changes)
FILE
EDIT
VIEW
INSERT
CELL
KERNEL
WIDGETS
HELP
Code
Memory: 171 MB / 8 GB

Tools to Bind to Python

Henry Schreiner

PyHEP 2018

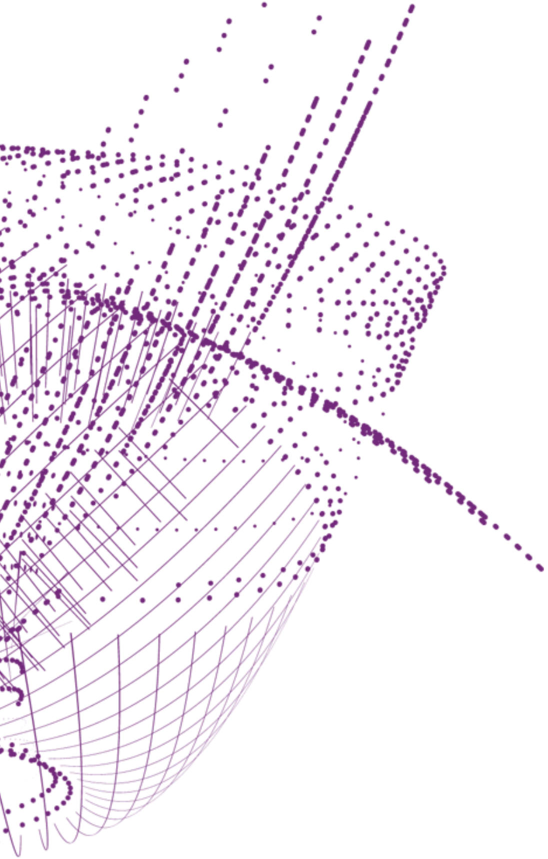
This talk is interactive, and can be run in SWAN. If you want to run it manually, just download the repository: github.com/henryiii/pybindings_cc.

Either use the menu option `CELL -> Run All` or run all code cells in order (don't skip one!)

Focus

- What Python bindings do
- How Python bindings work
- What tools are available

https://swan.cern.ch



chat & zoom

From a distance …

A multitude of options

Our community has a long tradition of remote collaboration

- Zooms (many of these) … after having VRVS, Evo, and Vidyo
- Indico … based on CDS Agenda
- lately: many chat clients as well

Also here, not all tools are appropriate for what we need

- especially for video, which is very personal, use endorsed systems
  - we, SURF, and CERN reviewed Zoom as ‘ok’. If your university has settled on Teams, OK as well
- for chat discussing personal or sensitive matters, use a trusted system
  - realise that ‘who talks to whom’ is *also* sensitive, so e.g. Signal is *much* better than WhatsApp

Video conferencing

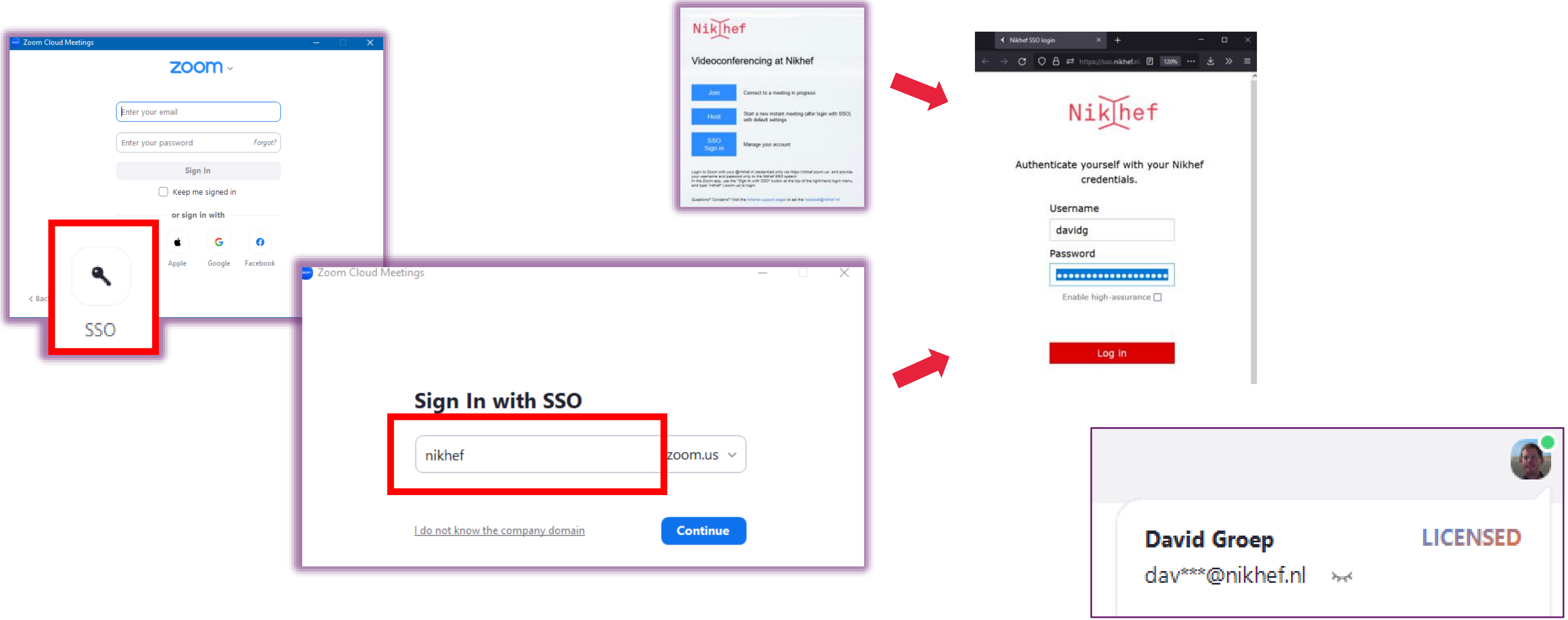
Every employee (incl. staff at all partners and all PhDs) at Nikhef can get zoom but the number of licenses *is* limited, so ask helpdesk if needed for upgrade to

- up to 500 attendees per meeting
- up to 500 in a webinar
- recording included (will be visible to participants)
- unlimited duration

and use Nikhef SSO login to get the right privileges

https://nikhef.zoom.us/

Zoom login – use SSO to get the Nikhef benefits!



Zoom Cloud Meetings

zoom

Enter your email

Enter your password Forgot?

Sign In

□ Keep me signed in

or sign in with

SSO

Apple

Google

Facebook

< Back

Nikhef

Videoconferencing at Nikhef

Join — Connect to a meeting in progress

Host — Start a new instant meeting (after login with SSO) with default settings

SSO Sign in — Manage your account

Login to Zoom with your @nikhef.nl credentials only via https://nikhef.zoom.us/, and provide your username and password only to the Nikhef SSO system!
In the Zoom app, use the "Sign in with SSO" button at the top of the right-hand login menu, and type "nikhef" (.zoom.us) to login

Questions? Concerns? Visit the internal support pages or ask the helpdesk@nikhef.nl

Zoom Cloud Meetings

Sign In with SSO

nikhef .zoom.us

I do not know the company domain

Continue

Nikhef SSO login

https://sso.nikhef.nl

Nikhef

Authenticate yourself with your Nikhef credentials.

Username: davidg

Password: ••••••••••••••••••

Enable high-assurance □

Log In

David Groep LICENSED

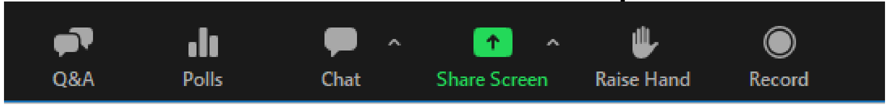
dav***@nikhef.nl

https://nikhef.zoom.us/ for web management interface.

Creating zoom meetings

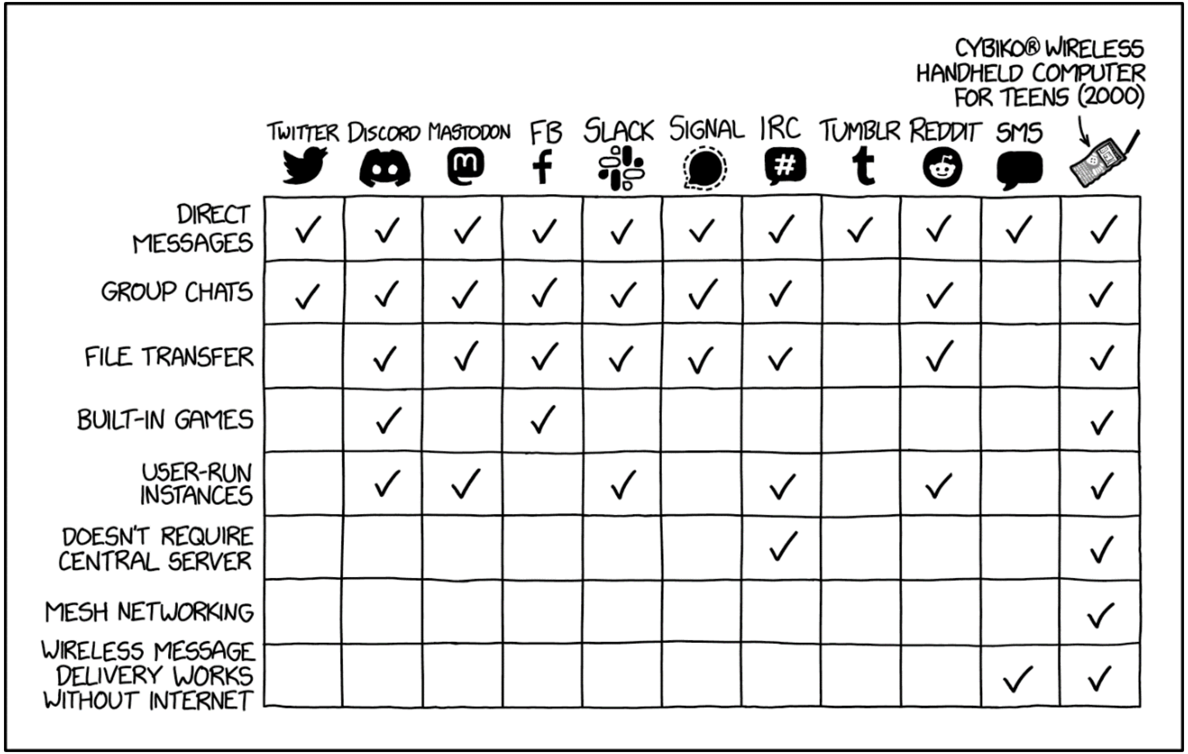
On Zoom **you** create ‘meetings’, and thus is unlike VRVS or Vidyo ‘rooms’

- meetings can be one-off, recurring, or continuous
- you can create meetings as needed, also a new one every time
- you must protect your meetings with either a passcode, or a waiting room (after all the incidents with ‘Zoom Bombing’ in early 2020)
- invite link can include the pass-token as well
- for webinars (few talking, many listening), you can create series of 20 and webinars do **not** need a password to listen in (and you ‘promote’ speakers &c)



To connect use a Zoom client, web browser, PSTN phone, or H.323 room system

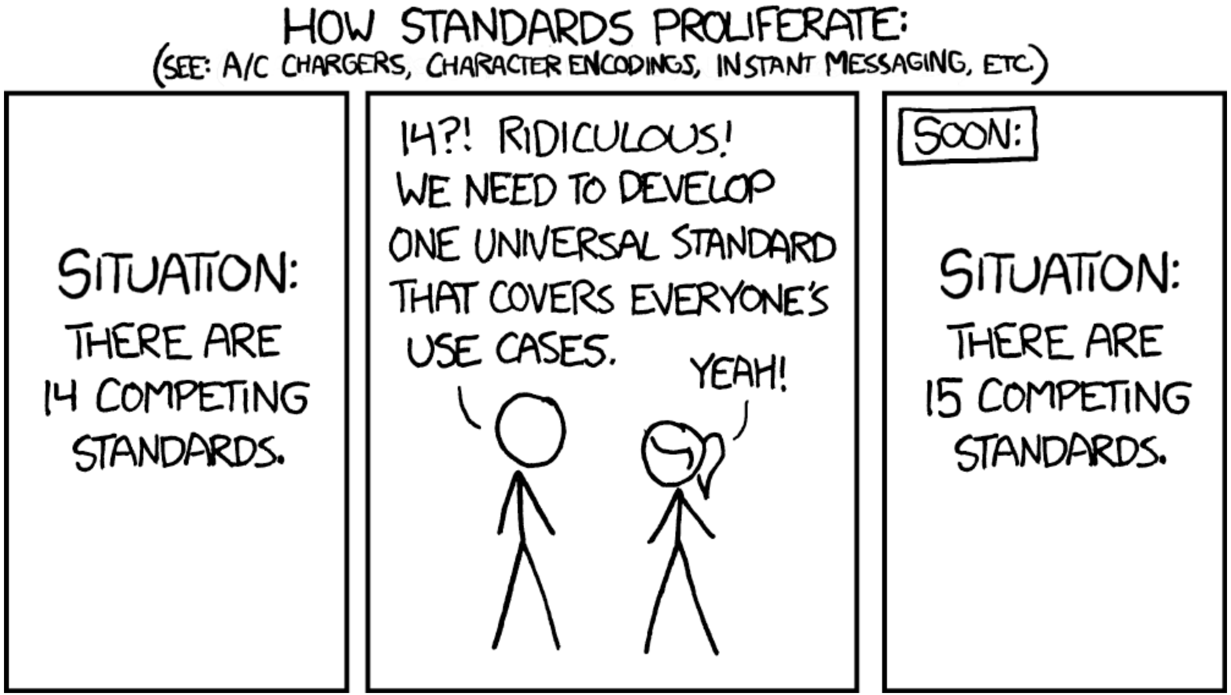
Now what about … ‘just chat’?



	TWITTER	DISCORD	MASTODON	FB	SLACK	SIGNAL	IRC	TUMBLR	REDDIT	SMS	CYBIKO® WIRELESS HANDHELD COMPUTER FOR TEENS (2000)
DIRECT MESSAGES	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
GROUP CHATS	✓	✓	✓	✓	✓	✓	✓		✓		✓
FILE TRANSFER		✓	✓	✓	✓	✓	✓		✓		✓
BUILT-IN GAMES		✓		✓							✓
USER-RUN INSTANCES		✓	✓		✓		✓		✓		✓
DOESN'T REQUIRE CENTRAL SERVER							✓				✓
MESH NETWORKING											✓
WIRELESS MESSAGE DELIVERY WORKS WITHOUT INTERNET										✓	✓

https://xkcd.com/2699/ (thanks for finding this, Dennis!)

But of course we know …


HOW STANDARDS PROLIFERATE:
(SEE: A/C CHARGERS, CHARACTER ENCODINGS, INSTANT MESSAGING, ETC.)
SITUATION: THERE ARE 14 COMPETING STANDARDS.
14?! RIDICULOUS! WE NEED TO DEVELOP ONE UNIVERSAL STANDARD THAT COVERS EVERYONE'S USE CASES.
YEAH!
SOON:
SITUATION: THERE ARE 15 COMPETING STANDARDS.

https://xkcd.com/927/

The ‘Nikhef default’ chat system: mattermost

Nikhef hosts its own mattermost server for everyone

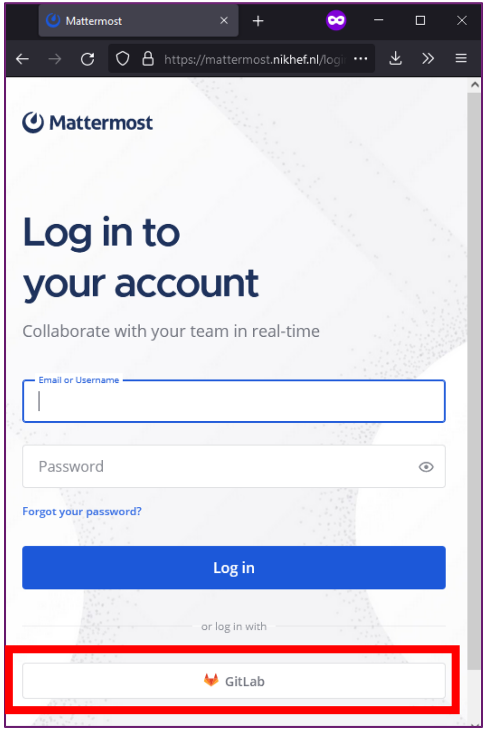
- linked also to Gitlab@Nikhef to have project chats
- login (via Gitlab) using Nikhef SSO
- you can invite anyone from the academic community on Mattermost
  - some new domains will have to be whitelisted – they can already authenticate
  - ask the helpdesk to enable new domains for Gitlab

https://mattermost.nikhef.nl/

CERN also has Mattermost linked to SSO (https://mattermost.web.cern.ch/)

But: you can have multiple servers in the same client (so Nikhef, CERN, Ligo, …)

Mattermost login dance (saves us € 36000 per year)



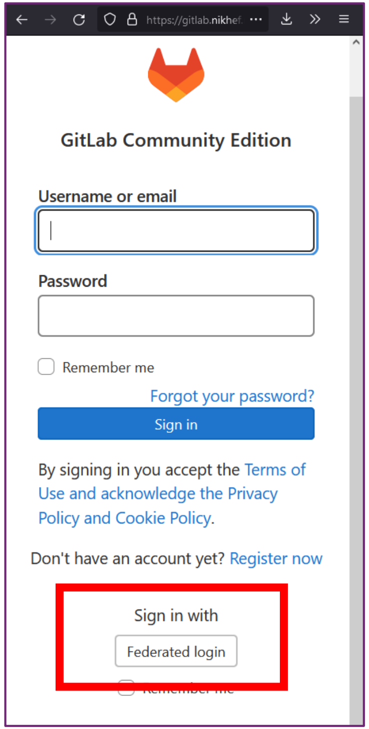
Log in to your account

Collaborate with your team in real-time

Email or Username

Password

Forgot your password?



GitLab Community Edition

Username or email

Password

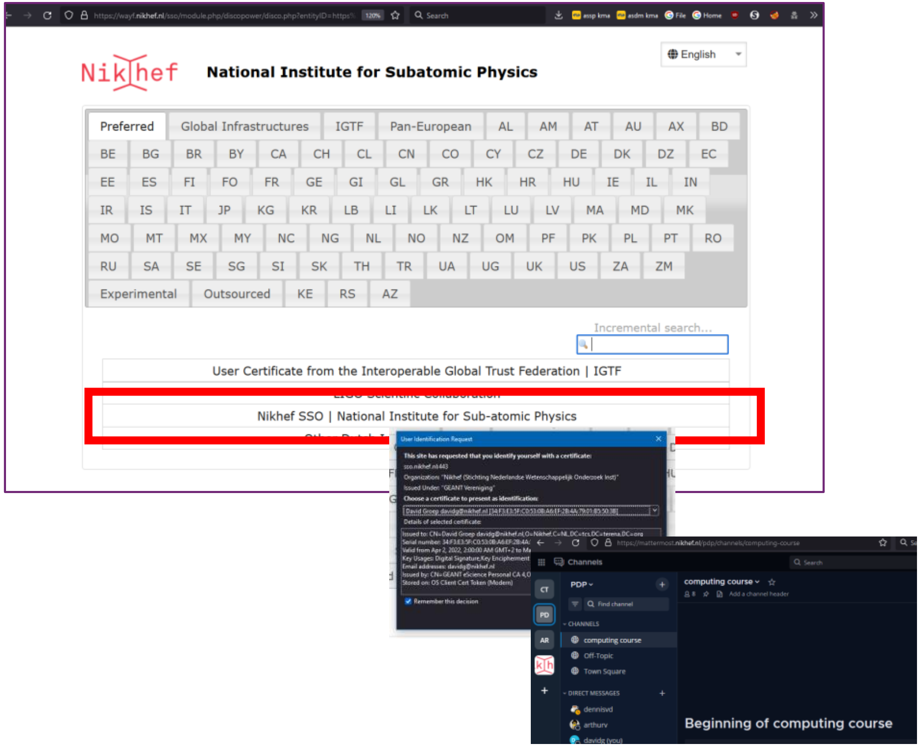
□ Remember me

Forgot your password?

By signing in you accept the Terms of Use and acknowledge the Privacy Policy and Cookie Policy.

Don't have an account yet? Register now

Sign in with



National Institute for Subatomic Physics

User Certificate from the Interoperable Global Trust Federation | IGTF

LIGO Scientific Collaboration

Nikhef SSO | National Institute for Sub-atomic Physics

User Identification Request

This site has requested that you identify yourself with a certificate:

sso.nikhef.nl:443

Organization: "Nikhef (Stichting Nederlandse Wetenschappelijk Onderzoek Inst)"

Issued Under: "GEANT Vereniging"

Choose a certificate to present as identification:

David Groep davidg@nikhef.nl [34:F3:E3:5F:C0:53:0B:A6:EF:2B:4A:79:01:B5:50:3B]

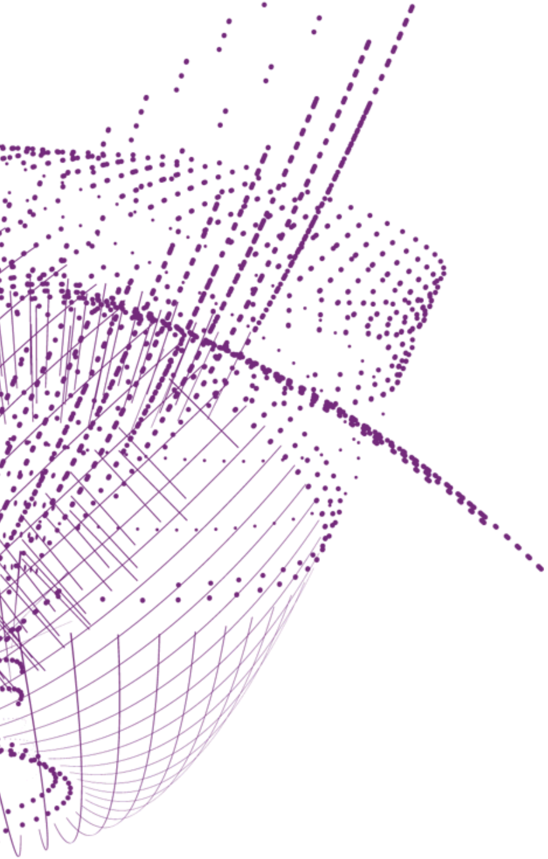
Details of selected certificate:

Issued to: CN=David Groep davidg@nikhef.nl,O=Nikhef,C=NL,DC=tcs,DC=terena,DC=org
Serial number: 34:F3:E3:5F:C0:53:0B:A6:EF:2B:4A:
Valid from Apr 2, 2022, 2:00:00 AM GMT+2 to Ma
Key Usages: Digital Signature,Key Encipherment
Email addresses: davidg@nikhef.nl
Issued by: CN=GEANT eScience Personal CA 4,O
Stored on: OS Client Cert Token (Modern)

☑ Remember this decision

Beginning of computing course

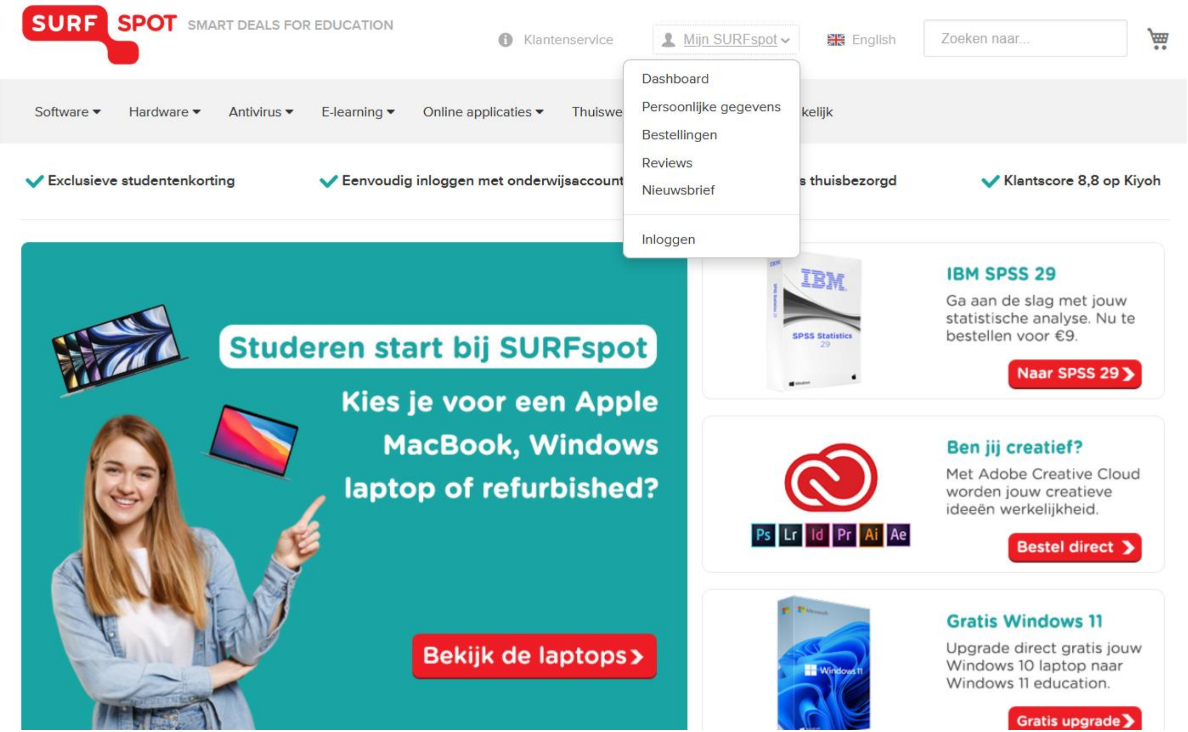
https://mattermost.nikhef.nl/



surfspot.nl
edu.nl - when typing becomes too much
eva - eduroam Visitor Access
cern login - for ‘medium-assurance’ services like Indico
… and many more federated things, from IWGN to …

Collaborative services just to make folk happy

Cheap or free software and hardware … SURFspot



✓ Exclusieve studentenkorting ✓ Eenvoudig inloggen met onderwijsaccount s thuisbezorgd ✓ Klantscore 8,8 op Kiyoh

Studeren start bij SURFspot

Kies je voor een Apple MacBook, Windows laptop of refurbished?

IBM SPSS 29

Ga aan de slag met jouw statistische analyse. Nu te bestellen voor €9.

Ben jij creatief?

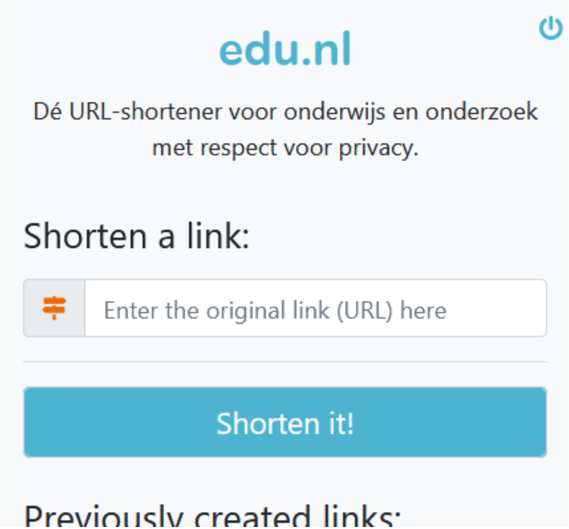
Met Adobe Creative Cloud worden jouw creatieve ideeën werkelijkheid.

Gratis Windows 11

Upgrade direct gratis jouw Windows 10 laptop naar Windows 11 education.

https://surfspot.nl/

Being kind to your colleagues’ fingers



edu.nl

Dé URL-shortener voor onderwijs en onderzoek met respect voor privacy.

Shorten a link:

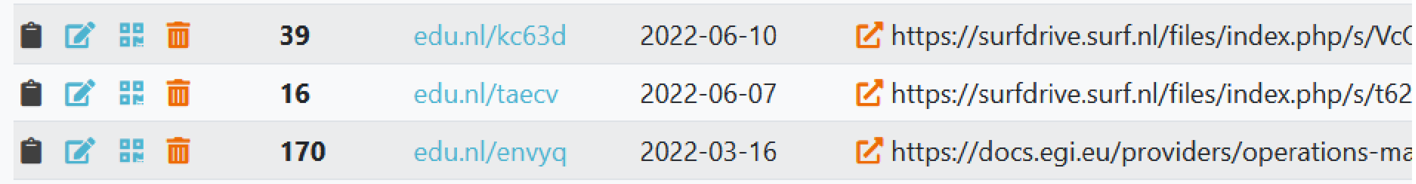
Enter the original link (URL) here

Previously created links:

For short messages on mastodon, or for persistent URLs to (changing) destinations

https://edu.nl/

- tracking-free short links
- can change after creating the shortcut
- get high-level statistics
- save fingers and characters on (social) media



39	edu.nl/kc63d	2022-06-10	https://surfdrive.surf.nl/files/index.php/s/VcC
16	edu.nl/taecv	2022-06-07	https://surfdrive.surf.nl/files/index.php/s/t62
170	edu.nl/envyq	2022-03-16	https://docs.egi.eu/providers/operations-ma

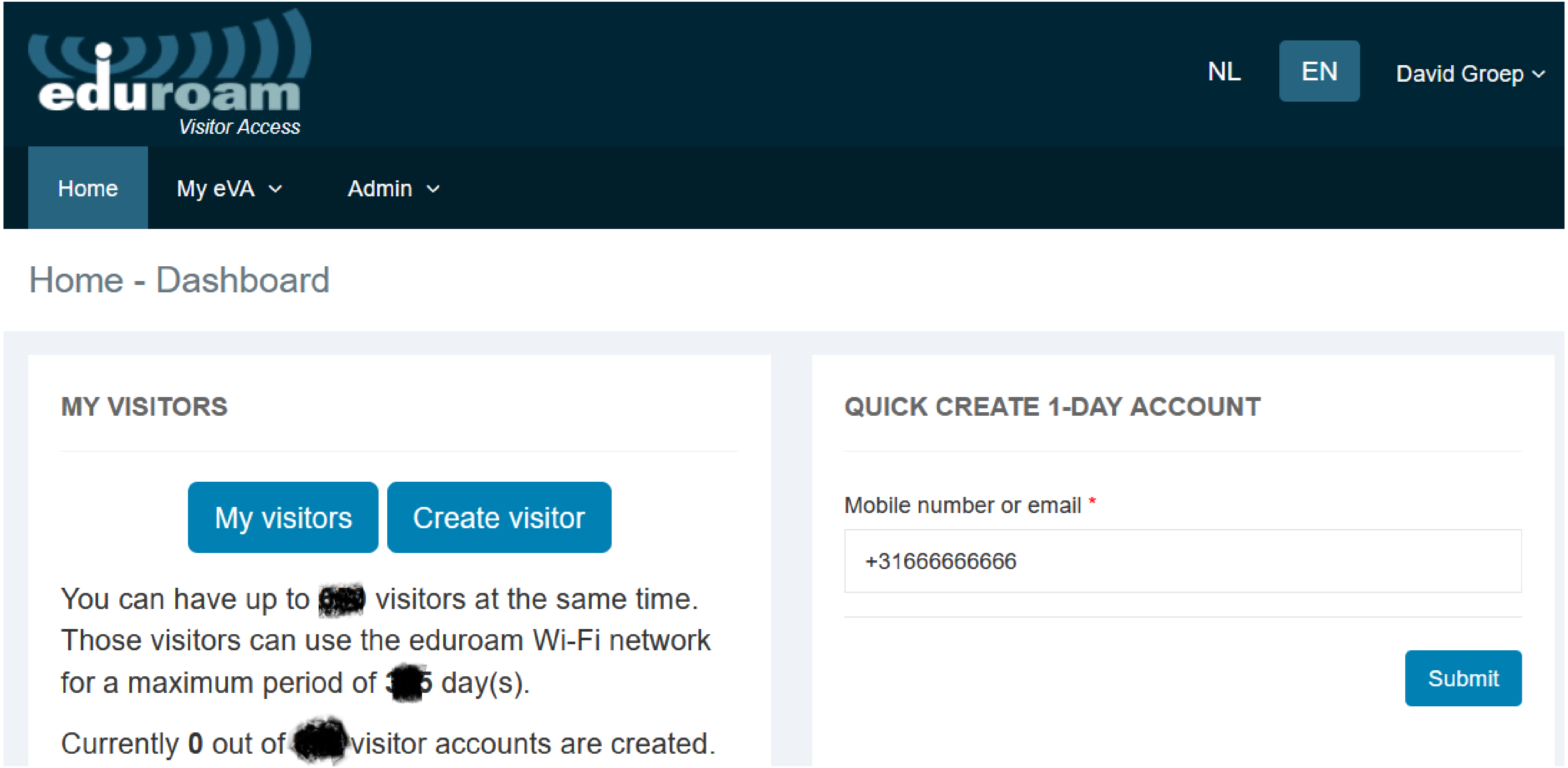
Note: bitly and others rely on click tracking behaviour and collect lots of data from visitors, abusing your friends. And only works with JavaScript. Edu.nl is ad-free as well

eduroam visitor access – gets you instant popularity

“eduroam Visitor Access enables higher education and research institute visitors to access the secure and trusted eduroam Wi-Fi network. The service can provide temporary access to the eduroam network on a simple and suitable manner.”

https://eva.eduroam.nl/en/

- you get one, or a range, of temporary accounts (lile “awfcu@edu.nl”)
- identified by email (kind-of a recursive loop), or SMS on their mobile
- by default: 10 visitors per Nikhef user at a time, max. 9 days validity
- need more? ask the helpdesk to enable it for your
- our secretariat can create large (600 people) events
- also useful for temporary ‘loan’ laptops or other non-personal devices when off-site
- federated service through SURFconext



Home - Dashboard

MY VISITORS

You can have up to [redacted] visitors at the same time. Those visitors can use the eduroam Wi-Fi network for a maximum period of [redacted] day(s).

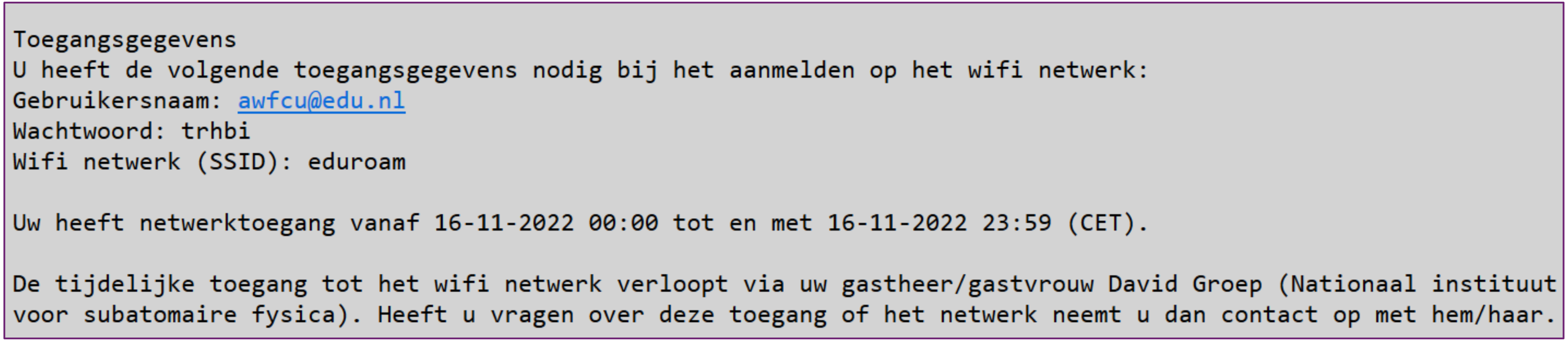
Currently **0** out of [redacted] visitor accounts are created.

QUICK CREATE 1-DAY ACCOUNT

Mobile number or email *

+31666666666

the recipient gets a mail or text message



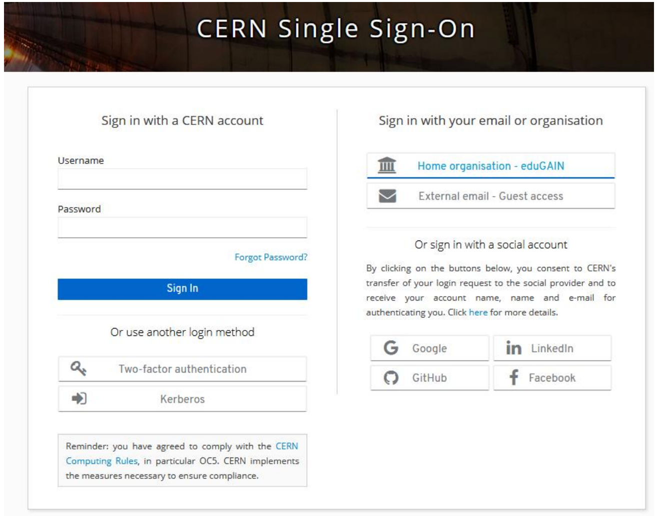
Toegangsgegevens
U heeft de volgende toegangsgegevens nodig bij het aanmelden op het wifi netwerk:
Gebruikersnaam: awfcu@edu.nl
Wachtwoord: trhbi
Wifi netwerk (SSID): eduroam

Uw heeft netwerktoegang vanaf 16-11-2022 00:00 tot en met 16-11-2022 23:59 (CET).

De tijdelijke toegang tot het wifi netwerk verloopt via uw gastheer/gastvrouw David Groep (Nationaal instituut voor subatomaire fysica). Heeft u vragen over deze toegang of het netwerk neemt u dan contact op met hem/haar.

CERN SSO proxy

For CERN services at assurance level ‘4’ (e.g. Indico), you can use Nikhef SSO login



CERN Single Sign-On

Sign in with a CERN account

Username

Password

Forgot Password?

Sign In

Or use another login method

Two-factor authentication

Kerberos

Reminder: you have agreed to comply with the CERN Computing Rules, in particular OC5. CERN implements the measures necessary to ensure compliance.

Sign in with your email or organisation

Home organisation - eduGAIN

External email - Guest access

Or sign in with a social account

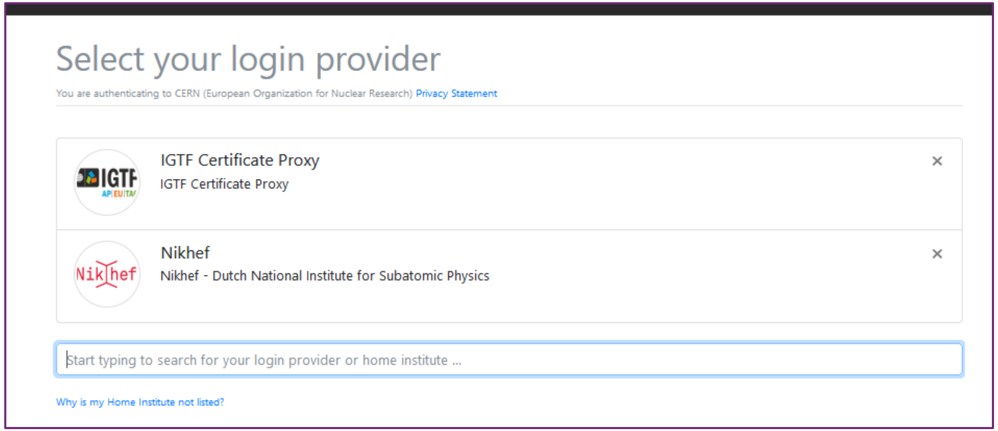
By clicking on the buttons below, you consent to CERN's transfer of your login request to the social provider and to receive your account name, name and e-mail for authenticating you. Click here for more details.

Google

LinkedIn

GitHub

Facebook



Select your login provider

You are authenticating to CERN (European Organization for Nuclear Research) Privacy Statement

IGTF Certificate Proxy
IGTF Certificate Proxy ×

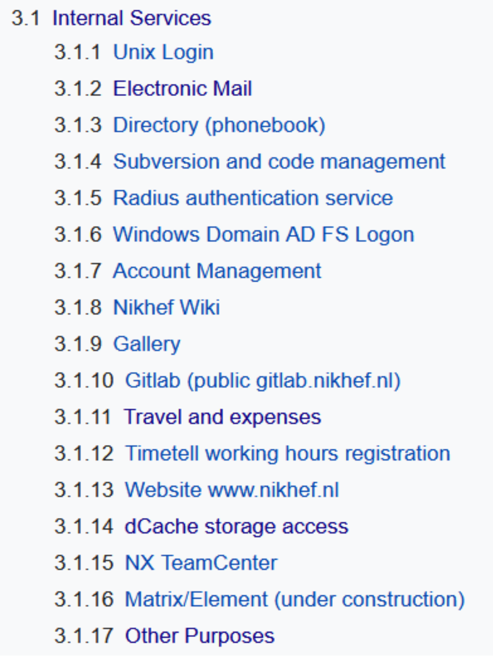
Nikhef
Nikhef - Dutch National Institute for Subatomic Physics ×

Start typing to search for your login provider or home institute ...

Why is my Home Institute not listed?

however, works only for the ‘new’ CERN SSO services (and not for EDH or lxplus)

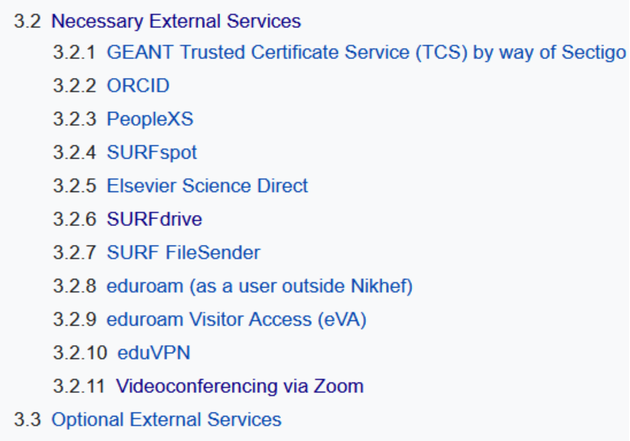
More federated collaborative services



3.1 Internal Services

- 3.1.1 Unix Login
- 3.1.2 Electronic Mail
- 3.1.3 Directory (phonebook)
- 3.1.4 Subversion and code management
- 3.1.5 Radius authentication service
- 3.1.6 Windows Domain AD FS Logon
- 3.1.7 Account Management
- 3.1.8 Nikhef Wiki
- 3.1.9 Gallery
- 3.1.10 Gitlab (public gitlab.nikhef.nl)
- 3.1.11 Travel and expenses
- 3.1.12 Timetell working hours registration
- 3.1.13 Website www.nikhef.nl
- 3.1.14 dCache storage access
- 3.1.15 NX TeamCenter
- 3.1.16 Matrix/Element (under construction)
- 3.1.17 Other Purposes

https://wiki.nikhef.nl/nikhef/ctb/NikIDM/Services
from within Nikhef (eduVPN or on-site)



3.2 Necessary External Services

- 3.2.1 GEANT Trusted Certificate Service (TCS) by way of Sectigo
- 3.2.2 ORCID
- 3.2.3 PeopleXS
- 3.2.4 SURFspot
- 3.2.5 Elsevier Science Direct
- 3.2.6 SURFdrive
- 3.2.7 SURF FileSender
- 3.2.8 eduroam (as a user outside Nikhef)
- 3.2.9 eduroam Visitor Access (eVA)
- 3.2.10 eduVPN
- 3.2.11 Videoconferencing via Zoom

3.3 Optional External Services

Optional services

Since logging in securely without passwords, we have a open authentication policy. Federated login is always safer than creating yet-another-password. But: please review what attributes get release on the SURFconext dashboard.

https://profile.surfconext.nl/ and on https://sso.nikhef.nl/

Please note that the necessity of attribute release may or may not have been reviewed by Nikhef or SURFconext. Please refer to the term and conditions (if displayed), the information presented about the entity, and any trust marks associated with the entity (such as "Research and Scholarship" as an entity category).

To review the attributes released to service providers, an overview of released attributes and their values for each user is managed by SURFconext at https://profile.surfconext.nl/ (user login required - you will be required to release the attribute above to access the Profile service)

SURFconext Profile

Your Account

Change your password
Change profile settings
Connect your certificate
Review your account
Federated Attributes viewer

Local services

Complete time sheets
Request WiFi guest accounts
Register networked device
Resolve email addresses

Commute reimbursement

Curfew attestations

Federated Services

Services via SURFconext
SURFconext permissions manager
Your InAcademia status

UBW Expenses, Finance and Travel

SURFspot.nl
SURF Mail Filter
SURFfilesender
SURFdrive
eduVPN Safe Browsing
eduVPN Institute Access
eduroam Visitor Access (eVA)
Grid and email Certificates (Nikhef)

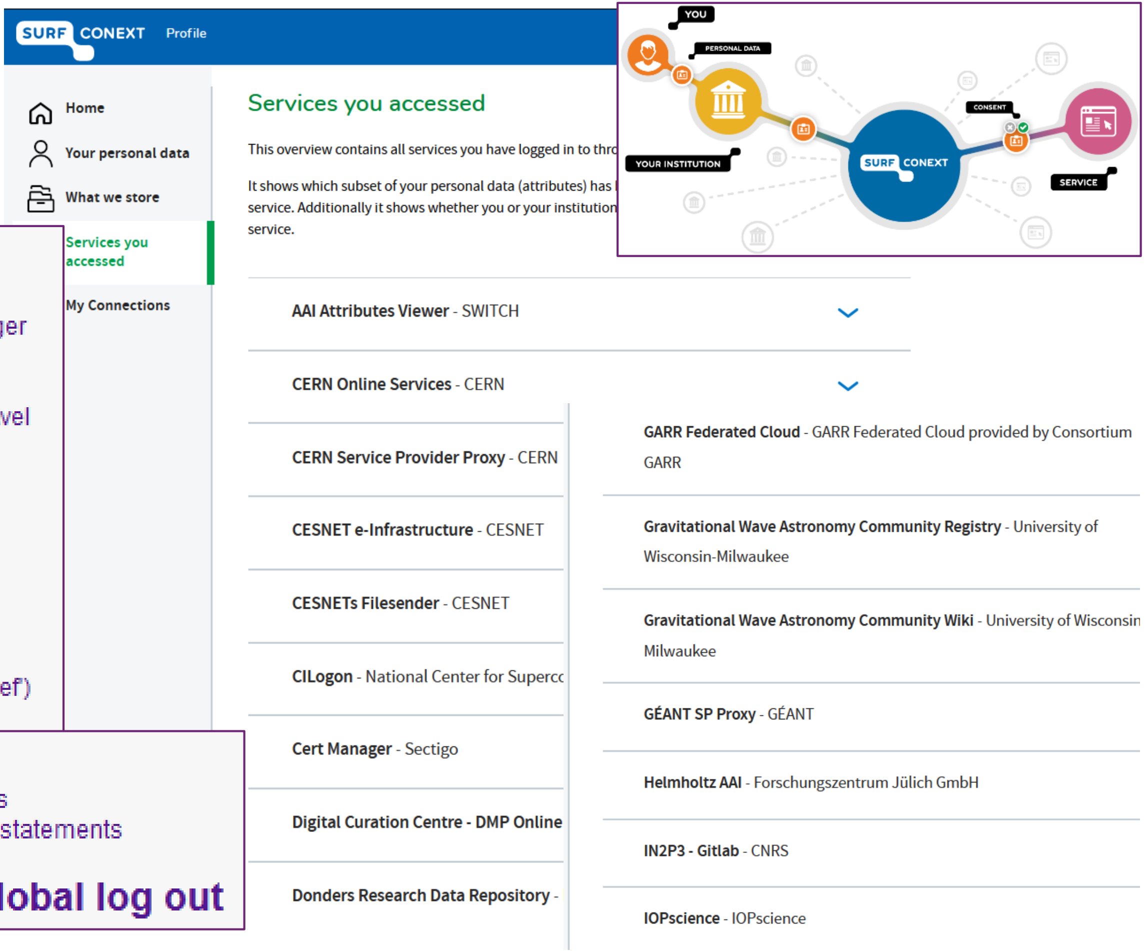
ORCID
SURFteams

Policy

Policy documents
Attribute release statements

Attempt global log out

https://sso.nikhef.nl/
https://profile.surfconext.nl/my-services



Services you accessed

This overview contains all services you have logged in to thro

It shows which subset of your personal data (attributes) has
service. Additionally it shows whether you or your institution
service.

AAI Attributes Viewer - SWITCH

CERN Online Services - CERN

CERN Service Provider Proxy - CERN

CESNET e-Infrastructure - CESNET

CESNETs Filesender - CESNET

CILogon - National Center for Superco

Cert Manager - Sectigo

Digital Curation Centre - DMP Online

Donders Research Data Repository -

GARR Federated Cloud - GARR Federated Cloud provided by Consortium GARR

Gravitational Wave Astronomy Community Registry - University of Wisconsin-Milwaukee

Gravitational Wave Astronomy Community Wiki - University of Wisconsin Milwaukee

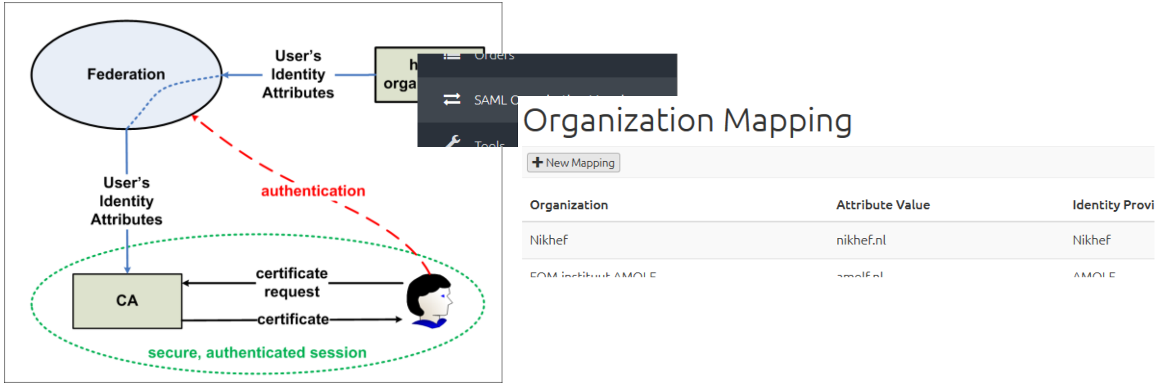
GÉANT SP Proxy - GÉANT

Helmholtz AAI - Forschungszentrum Jülich GmbH

IN2P3 - Gitlab - CNRS

IOPscience - IOPscience

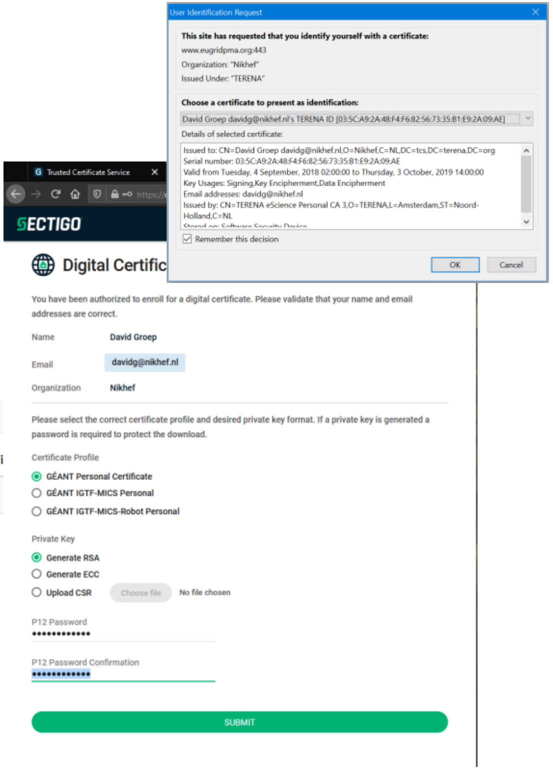
‘Grid’ authentication certificates renew **now** (in 2024!)


Federation
User’s Identity Attributes
h orga
User’s Identity Attributes
authentication
CA
certificate request
certificate
secure, authenticated session
Orders
SAML C
Tools

Organization Mapping

+ New Mapping

Organization	Attribute Value	Identity Provi
Nikhef	nikhef.nl	Nikhef
FOM instituut AMOLF	amolf.nl	AMOLF



User Identification Request

This site has requested that you identify yourself with a certificate:

www.eugridpma.org:443

Organization: "Nikhef"

Issued Under: "TERENA"

Choose a certificate to present as identification:

David Groep davidg@nikhef.nl's TERENA ID [03:5C:A9:2A:48:F4:F6:82:56:73:35:B1:E9:2A:09:AE]

Details of selected certificate:

```
Issued to: CN=David Groep davidg@nikhef.nl,O=Nikhef,C=NL,DC=tcs,DC=terena,DC=org
Serial number: 03:5C:A9:2A:48:F4:F6:82:56:73:35:B1:E9:2A:09:AE
Valid from Tuesday, 4 September, 2018 02:00:00 to Thursday, 3 October, 2019 14:00:00
Key Usages: Signing,Key Encipherment,Data Encipherment
Email addresses: davidg@nikhef.nl
Issued by: CN=TERENA eScience Personal CA 3,O=TERENA,L=Amsterdam,ST=Noord-
Holland,C=NL
Stored on: Software Security Device
```

☑ Remember this decision

Digital Certific

You have been authorized to enroll for a digital certificate. Please validate that your name and email addresses are correct.

Name: David Groep

Email: davidg@nikhef.nl

Organization: Nikhef

Please select the correct certificate profile and desired private key format. If a private key is generated a password is required to protect the download.

Certificate Profile

● GÉANT Personal Certificate
○ GÉANT IGTF-MICS Personal
○ GÉANT IGTF-MICS-Robot Personal

Private Key

● Generate RSA
○ Generate ECC
○ Upload CSR   Choose file   No file chosen

P12 Password: ••••••••••••

P12 Password Confirmation: ••••••••••••

TCS is a SAML Service Provider (today by Sectigo) to eduGAIN: where eligible authenticated users obtain client certificates for access to many research services

A globally recognized identity for all employees & students (they are automatically eligible!).

https://ca.dutchgrid.nl/tcs/ and https://www.nikhef.nl/pdp/doc/news/renew-your-grid-certificates-in-2024

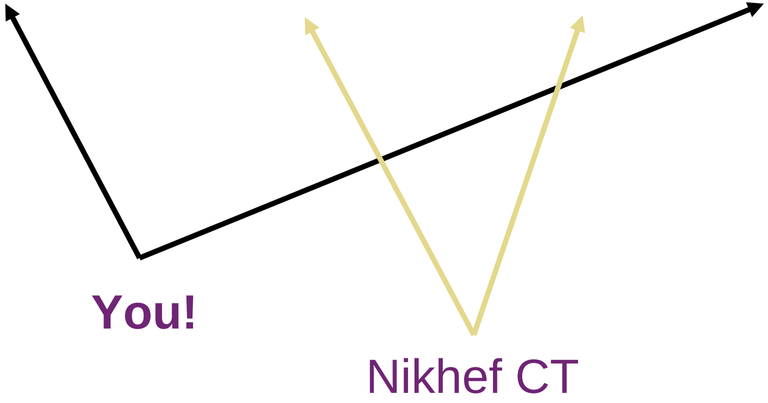
Collaboration beyond tools and some words on security

Talking to somebody else… but to whom?

Collaboration and our open environment

Why security & privacy?

human behaviour + technology + process + **physical security**



You!

Nikhef CT

slide: Ronald Starink, Nikhef

Example: phishing and credential theft

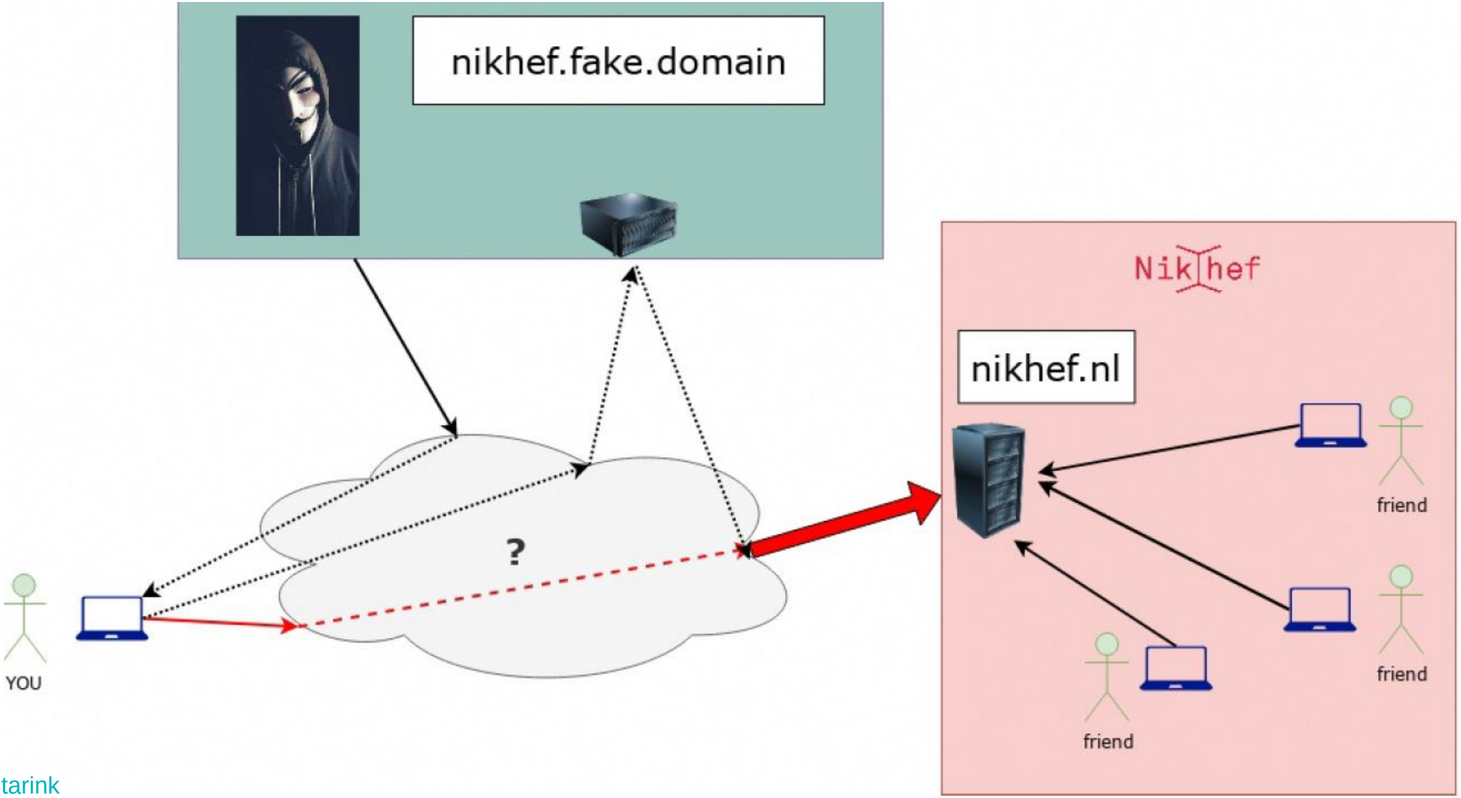
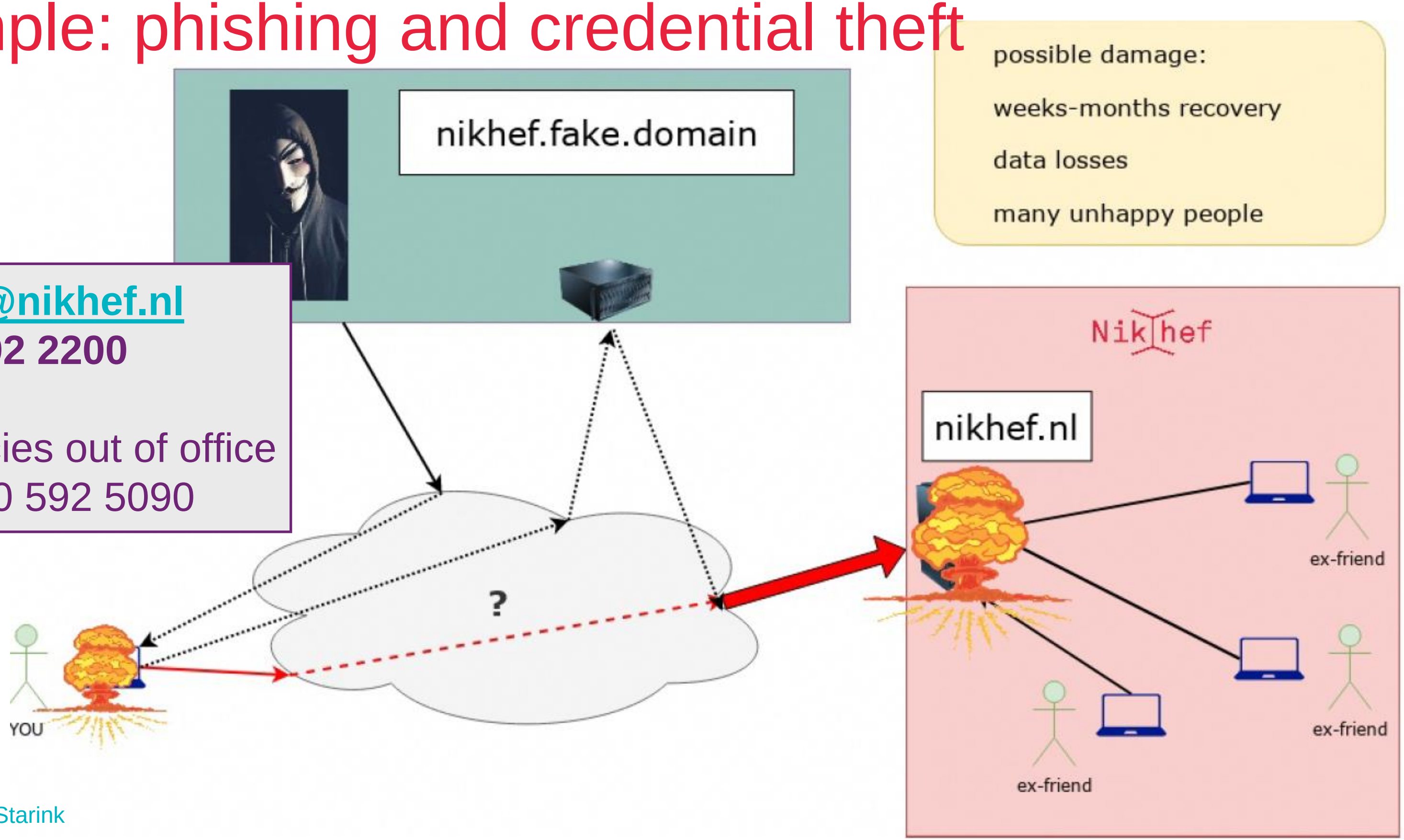


Image: Ronald Starink

Example: phishing and credential theft



possible damage:

weeks-months recovery

data losses

many unhappy people

security@nikhef.nl
+31 20 592 2200

emergencies out of office hours: 020 592 5090

Image: Ronald Starink

Security - concretely

- Choose a **unique, strong password** & store in password **safe**
- Only **change** your password at sso.nikhef.nl. Don’t enter it outside nikhef.nl.
- Emails:
  - **Links** – does the domain match the site?
  - Attachments – expected?

- Use **ssh** with public/private keys instead of password
- Encrypt connections with **eduVPN**
- Only use (legal!) software from **reliable** sources (e.g. CT Helpdesk) that you are free to use
- Use firewall & virus scanner, install (security) updates
- **Be critical & think!** (or ask)

downloads? **only** Open Source – since you cannot *on your own* agree any other license for ‘work’

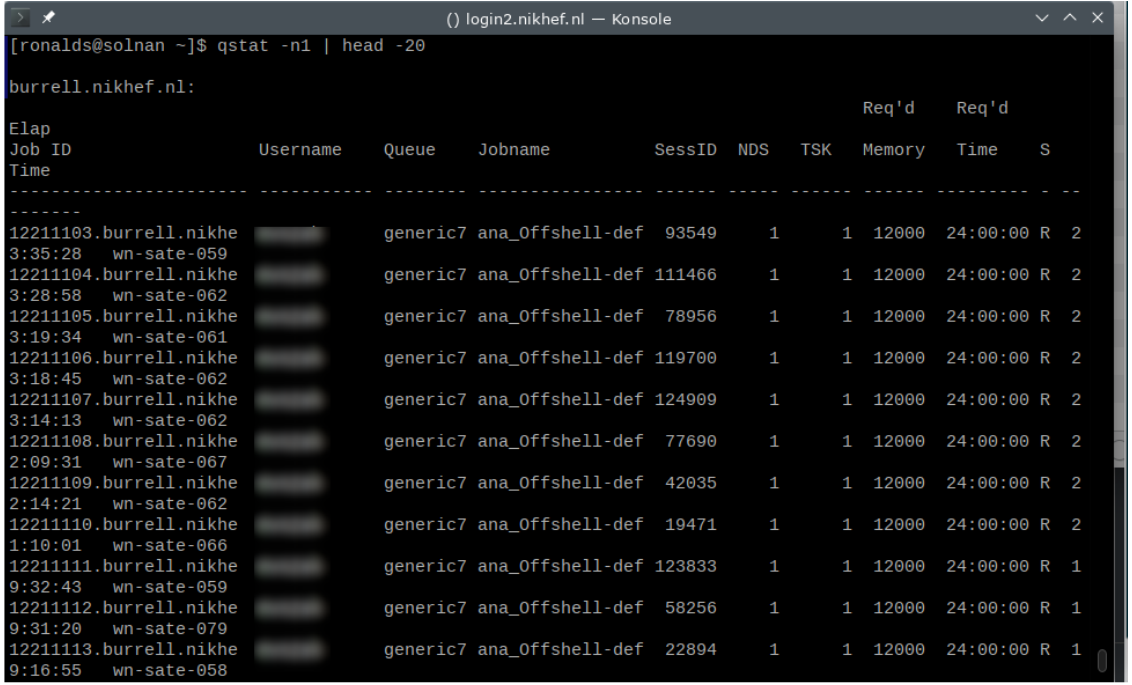
Complementary aspect: Privacy and ‘GDPR’

Protection of *personal data* of *identifiable individuals* and data leaks must be *formally reported (e.g. stolen laptops, phones, &c),* so please:

- Don’t **collect, store or publish** personal data
  Unless strictly needed → need it anyway: you must **register** processing
- **Encrypt** harddisk, drives (also backup!)
- **Lock** your computer’s **screen**
- Be **careful** with free online services
  If the service is free, **you** are the product
- Possible privacy **incident** → **report** to privacy@nikhef.nl

Quizz

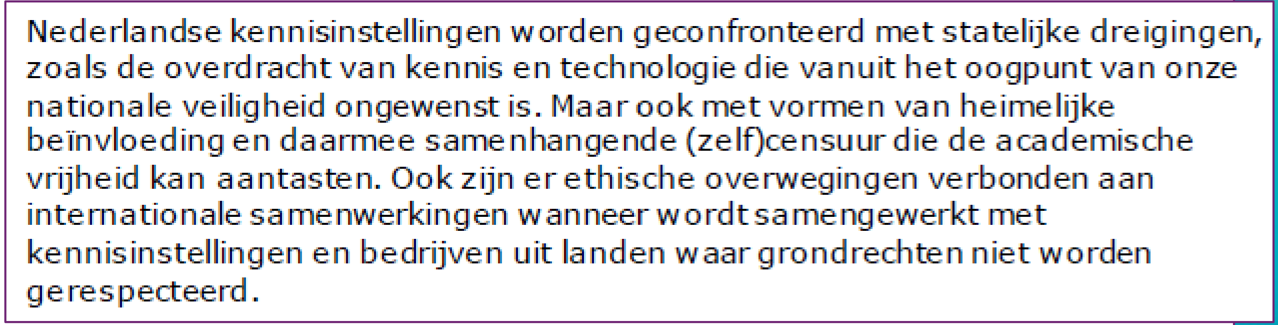
Is it a good idea to publish this on your personal home page?



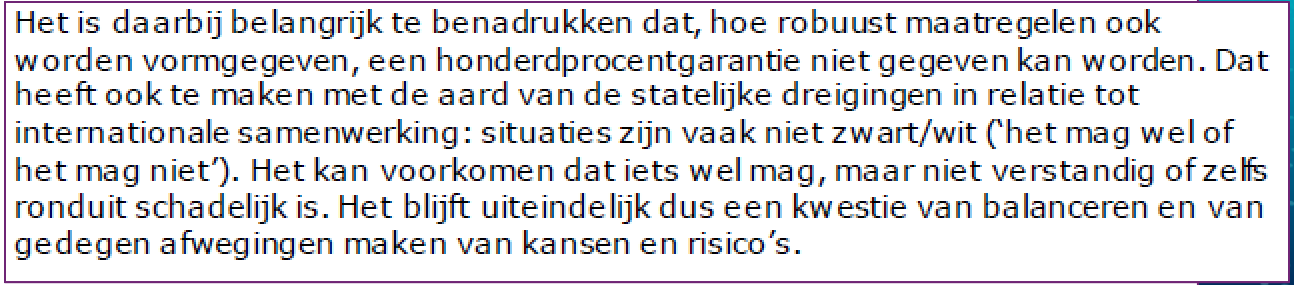
```
[ronalds@solnan ~]$ qstat -n1 | head -20

burrell.nikhef.nl:
                                                                                 Req'd     Req'd
Elap
Job ID                  Username    Queue    Jobname          SessID  NDS   TSK   Memory   Time      S
Time
----------------------- ----------- -------- ---------------- ------ ----- ------ ------ --------- - --
-------
12211103.burrell.nikhe  [redacted]  generic7 ana_Offshell-def  93549     1      1  12000  24:00:00 R  2
3:35:28   wn-sate-059
12211104.burrell.nikhe  [redacted]  generic7 ana_Offshell-def 111466     1      1  12000  24:00:00 R  2
3:28:58   wn-sate-062
12211105.burrell.nikhe  [redacted]  generic7 ana_Offshell-def  78956     1      1  12000  24:00:00 R  2
3:19:34   wn-sate-061
12211106.burrell.nikhe  [redacted]  generic7 ana_Offshell-def 119700     1      1  12000  24:00:00 R  2
3:18:45   wn-sate-062
12211107.burrell.nikhe  [redacted]  generic7 ana_Offshell-def 124909     1      1  12000  24:00:00 R  2
3:14:13   wn-sate-062
12211108.burrell.nikhe  [redacted]  generic7 ana_Offshell-def  77690     1      1  12000  24:00:00 R  2
2:09:31   wn-sate-067
12211109.burrell.nikhe  [redacted]  generic7 ana_Offshell-def  42035     1      1  12000  24:00:00 R  2
2:14:21   wn-sate-062
12211110.burrell.nikhe  [redacted]  generic7 ana_Offshell-def  19471     1      1  12000  24:00:00 R  2
1:10:01   wn-sate-066
12211111.burrell.nikhe  [redacted]  generic7 ana_Offshell-def 123833     1      1  12000  24:00:00 R  1
9:32:43   wn-sate-059
12211112.burrell.nikhe  [redacted]  generic7 ana_Offshell-def  58256     1      1  12000  24:00:00 R  1
9:31:20   wn-sate-079
12211113.burrell.nikhe  [redacted]  generic7 ana_Offshell-def  22894     1      1  12000  24:00:00 R  1
9:16:55   wn-sate-058
```

Knowledge safety



Nederlandse kennisinstellingen worden geconfronteerd met statelijke dreigingen, zoals de overdracht van kennis en technologie die vanuit het oogpunt van onze nationale veiligheid ongewenst is. Maar ook met vormen van heimelijke beïnvloeding en daarmee samenhangende (zelf)censuur die de academische vrijheid kan aantasten. Ook zijn er ethische overwegingen verbonden aan internationale samenwerkingen wanneer wordt samengewerkt met kennisinstellingen en bedrijven uit landen waar grondrechten niet worden gerespecteerd.



Het is daarbij belangrijk te benadrukken dat, hoe robuust maatregelen ook worden vormgegeven, een honderdprocentgarantie niet gegeven kan worden. Dat heeft ook te maken met de aard van de statelijke dreigingen in relatie tot internationale samenwerking: situaties zijn vaak niet zwart/wit ('het mag wel of het mag niet'). Het kan voorkomen dat iets wel mag, maar niet verstandig of zelfs ronduit schadelijk is. Het blijft uiteindelijk dus een kwestie van balanceren en van gedegen afwegingen maken van kansen en risico's.

GU
FO
AU

Unive
Nove

Dreigingsbeeld statelijke actoren

Don't feel good? contact pietervb@nikhef.nl & infosec@nikhef.nl …

https://www.rijksoverheid.nl/documenten/kamerstukken/2020/11/27/kennisveiligheid-hoger-onderwijs-en-wetenschap
https://www.loketkennisveiligheid.nl/

Knowledge safety – know with whom you collaborate

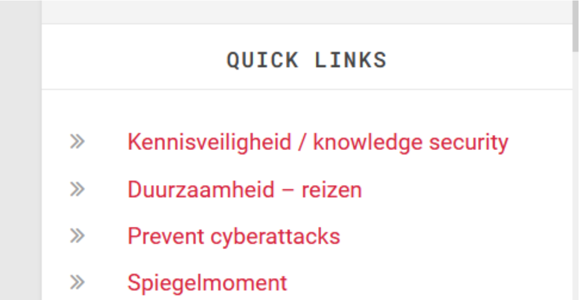
“*as open as possible, as closed as necessary*”

Four guidelines – of which 2-3 are relevant for you

- Secure foreign business trips
- Secure visitor procedure
- Secure (international) collaboration
- Secure recruitment and selection

Most importantly: they are risk-based, and you can (and in general should) ask for support if you hit a risk

- *example: the CT helpdesk has burner laptops on loan*

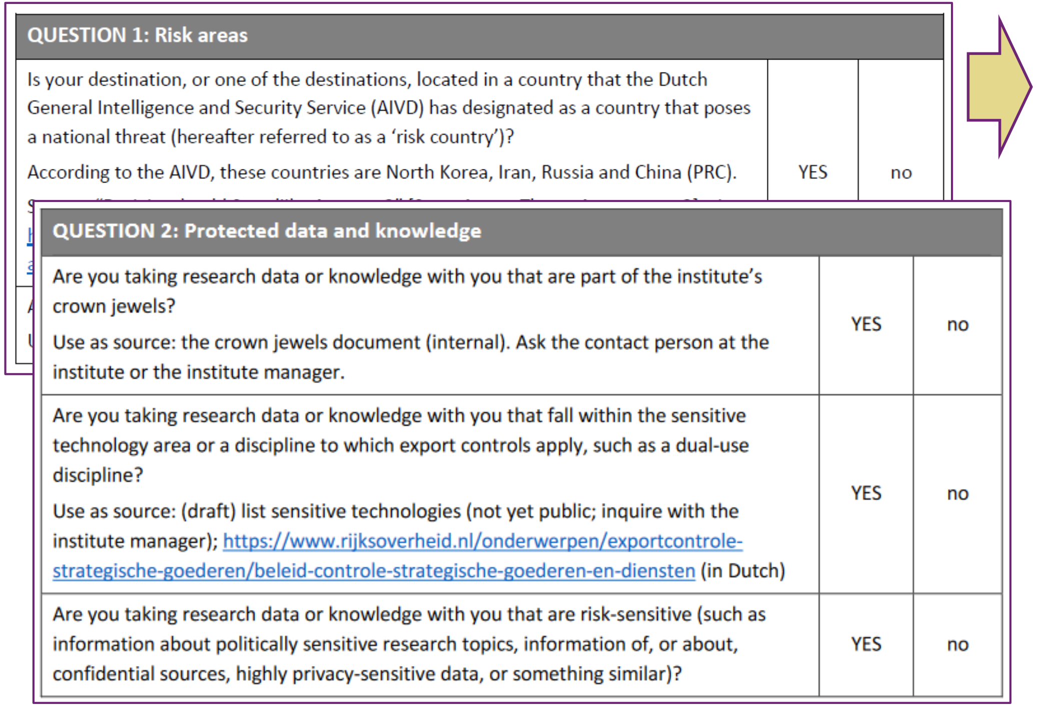


QUICK LINKS

- » Kennisveiligheid / knowledge security
- » Duurzaamheid – reizen
- » Prevent cyberattacks
- » Spiegelmoment

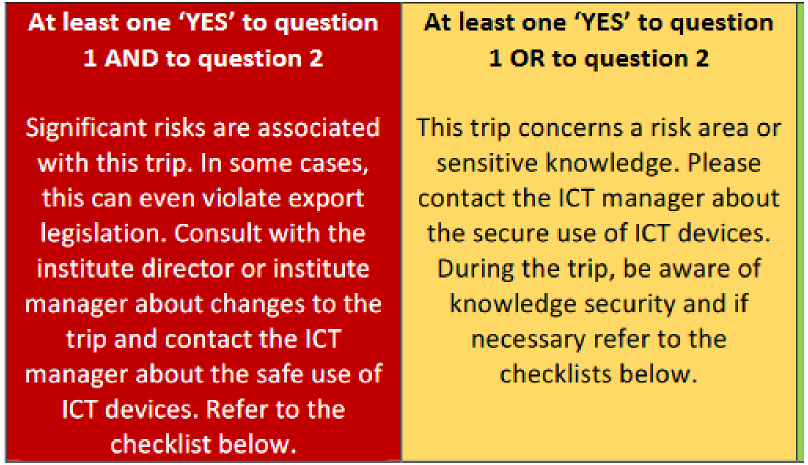
https://intranet.nikhef.nl/kennisveiligheid-knowledge-security/

One guideline highlighted as example: foreign travel



QUESTION 1: Risk areas		
Is your destination, or one of the destinations, located in a country that the Dutch General Intelligence and Security Service (AIVD) has designated as a country that poses a national threat (hereafter referred to as a ‘risk country’)? According to the AIVD, these countries are North Korea, Iran, Russia and China (PRC).	YES	no

QUESTION 2: Protected data and knowledge		
Are you taking research data or knowledge with you that are part of the institute’s crown jewels? Use as source: the crown jewels document (internal). Ask the contact person at the institute or the institute manager.	YES	no
Are you taking research data or knowledge with you that fall within the sensitive technology area or a discipline to which export controls apply, such as a dual-use discipline? Use as source: (draft) list sensitive technologies (not yet public; inquire with the institute manager); https://www.rijksoverheid.nl/onderwerpen/exportcontrole-strategische-goederen/beleid-controle-strategische-goederen-en-diensten (in Dutch)	YES	no
Are you taking research data or knowledge with you that are risk-sensitive (such as information about politically sensitive research topics, information of, or about, confidential sources, highly privacy-sensitive data, or something similar)?	YES	no



At least one ‘YES’ to question 1 AND to question 2	At least one ‘YES’ to question 1 OR to question 2
Significant risks are associated with this trip. In some cases, this can even violate export legislation. Consult with the institute director or institute manager about changes to the trip and contact the ICT manager about the safe use of ICT devices. Refer to the checklist below.	This trip concerns a risk area or sensitive knowledge. Please contact the ICT manager about the secure use of ICT devices. During the trip, be aware of knowledge security and if necessary refer to the checklists below.

For destinations flagged as risky, we then provide burner laptops, you must reset any credentials used afterwards, and we monitor activity from the destination region during the trip

23.0523-EN-NWO-I-Secure-foreign-business-trips.pdf

Nikhef data and passwords on personal devices or phones: also those covered by the Guideline

You are not alone: there’s help – lots of it

Don’t know where to start? CT Knowledge Base!

- https://kb.nikhef.nl/ct

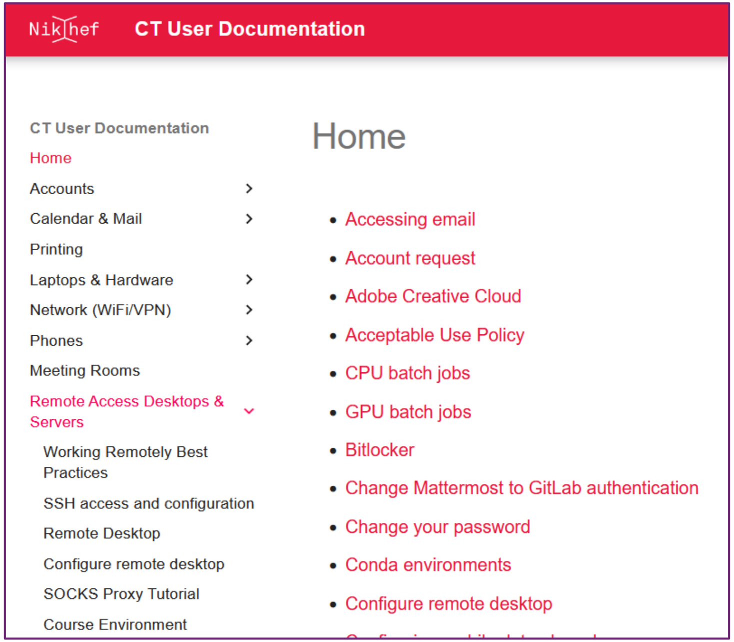
Wonder why it is not working as before?

- https://nikhef.status.io/ - you can also *subscribe*

Stoomboot full? How does the network look like?

- https://www.nikhef.nl/pdp/
- stbc-users@ list (https://mailman.nikhef.nl/)
- Nikhef Mattermost #stbc-users channel

and your own group pages for analysis and workflow scripts and frameworks



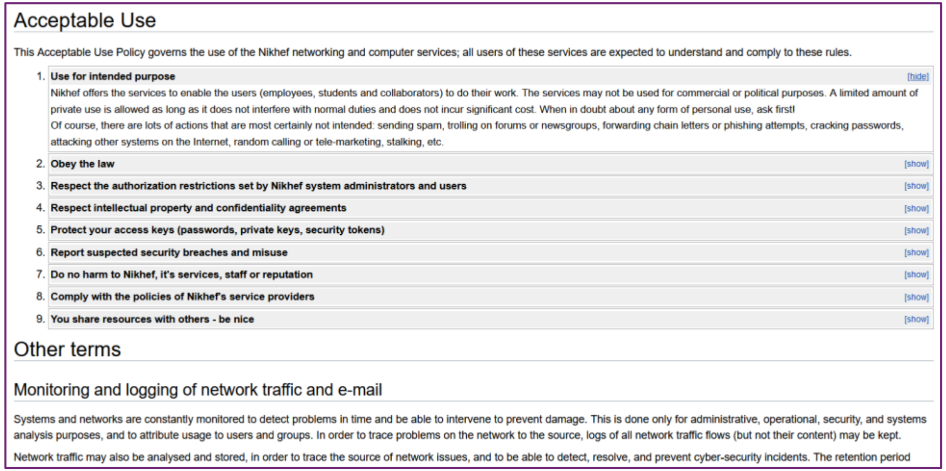
Nikhef CT User Documentation

CT User Documentation
- Home
- Accounts ›
- Calendar & Mail ›
- Printing
- Laptops & Hardware ›
- Network (WiFi/VPN) ›
- Phones ›
- Meeting Rooms
- Remote Access Desktops & Servers ⌄
  - Working Remotely Best Practices
  - SSH access and configuration
  - Remote Desktop
  - Configure remote desktop
  - SOCKS Proxy Tutorial
  - Course Environment

Home

- Accessing email
- Account request
- Adobe Creative Cloud
- Acceptable Use Policy
- CPU batch jobs
- GPU batch jobs
- Bitlocker
- Change Mattermost to GitLab authentication
- Change your password
- Conda environments
- Configure remote desktop

AUP and the data processing notice



Acceptable Use

This Acceptable Use Policy governs the use of the Nikhef networking and computer services; all users of these services are expected to understand and comply to these rules.

1. **Use for intended purpose** [hide]
   Nikhef offers the services to enable the users (employees, students and collaborators) to do their work. The services may not be used for commercial or political purposes. A limited amount of private use is allowed as long as it does not interfere with normal duties and does not incur significant cost. When in doubt about any form of personal use, ask first!
   Of course, there are lots of actions that are most certainly not intended: sending spam, trolling on forums or newsgroups, forwarding chain letters or phishing attempts, cracking passwords, attacking other systems on the Internet, random calling or tele-marketing, stalking, etc.
2. **Obey the law** [show]
3. **Respect the authorization restrictions set by Nikhef system administrators and users** [show]
4. **Respect intellectual property and confidentiality agreements** [show]
5. **Protect your access keys (passwords, private keys, security tokens)** [show]
6. **Report suspected security breaches and misuse** [show]
7. **Do no harm to Nikhef, it's services, staff or reputation** [show]
8. **Comply with the policies of Nikhef's service providers** [show]
9. **You share resources with others - be nice** [show]

Other terms

Monitoring and logging of network traffic and e-mail

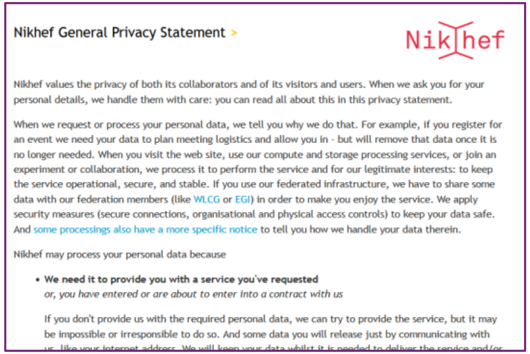
Systems and networks are constantly monitored to detect problems in time and be able to intervene to prevent damage. This is done only for administrative, operational, security, and systems analysis purposes, and to attribute usage to users and groups. In order to trace problems on the network to the source, logs of all network traffic flows (but not their content) may be kept.

Network traffic may also be analysed and stored, in order to trace the source of network issues, and to be able to detect, resolve, and prevent cyber-security incidents. The retention period

Basic tenet of the Nikhef AUP:
'be nice to each other, use common sense, and do no harm'
Ask (via the helpdesk of security@nikhef.nl) when in doubt

Same for how your personal data is used:

- for being able to offer you the service,
- to identify problems & solve them together,
- or because you asked us to do so



Nikhef General Privacy Statement >

Nikhef values the privacy of both its collaborators and of its visitors and users. When we ask you for your personal details, we handle them with care: you can read all about this in this privacy statement.

When we request or process your personal data, we tell you why we do that. For example, if you register for an event we need your data to plan meeting logistics and allow you in - but will remove that data once it is no longer needed. When you visit the web site, use our compute and storage processing services, or join an experiment or collaboration, we process it to perform the service and for our legitimate interests: to keep the service operational, secure, and stable. If you use our federated infrastructure, we have to share some data with our federation members (like WLCG or EGI) in order to make you enjoy the service. We apply security measures (secure connections, organisational and physical access controls) to keep your data safe. And some processings also have a more specific notice to tell you how we handle your data therein.

Nikhef may process your personal data because

- **We need it to provide you with a service you've requested**
  or, you have entered or are about to enter into a contract with us

  If you don't provide us with the required personal data, we can try to provide the service, but it may be impossible or irresponsible to do so. And some data you will release just by communicating with us, like your internet address. We will keep your data whilst it is needed to deliver the service and/or

There are specific policies for job applications, visitor registration, and for WLCG. and please help us to protect everyone's data: don't expose personal data by accident (e.g. through mailing lists)

https://www.nikhef.nl/aup - the Dutch language version is the authoritative one, but we provide one in English as well. Privacy notice: https://www.nikhef.nl/privacy/

And then there's the helpdesk and Office Hours

Please ask when something does not work as expected!

if *you* don't tell the helpdesk, nobody will know and thus nobody will ever fix the issue when it's broken!

helpdesk@nikhef.nl
+31 20 592 2200
https://servicedesk.nikhef.nl/
H1.20, next to the vide, from ~8.30 till 17.00

- Generic software (MS office and such)
- Services (mail, wifi, network, backup, printing)
- Hardware (laptop or desktop, monitor, docking station)
- Cables and small things
- Account (password, SSO, MFA two-factor authentication)
- Video conference equipment (OWL)
- …

help the helpdesk help you: can you reproduce it? are you the only one in the group? did you change anything?

More practical help … for data management

Simple thing: don't try to do everything on your own, use what's already there!

Nikhef has no dedicated 'data stewards' (since most of that is done in our collaborations), but we do have data management support

- https://nikhef.nl/pdp/rdm/
- a lot of existing data management plans (not all public)
- contact: rdm-support@nikhef.nl (goes to davidg@, templon@, and ronalds@)
- if you need data management advise for an external future grant or position, also ask (we might well be able to help or link you up internationally)

Elsewhere? look for dedicated 'Data Stewardship' group or 'research support' office

Same thing for processing …

Open Science and FAIR data are nice concepts, but it’s easy to drown …

- use provided tools (from your experiment, from Nikhef CT/PDP, from our DCC)
- make sure data is safe and managed (any USB or external drive will fail in the end)
- keep copious logs and use organised (cookie-cutter) and time-stamped notebooks
- don’t expose confidential data inadvertently (e.g. thinking your home page is secret)

The CT documentation has endorsed central services and guides

https://edu.nl/arvc4

Research tooling and some data integrity guidance is on the Nikhef PDP pages

https://www.nikhef.nl/pdp/doc/

Open Science (and reproduction packages) helps …

“building reproducible data and software is hard, and takes time …
… yet is an essential part of the integrity and value of your results”

- make sure your data is in the right place when you finish up a chapter
  - software in gitlab.nikhef.nl or your collaboration software versioning system (git.cern.ch,…)
  - data should not remain on a laptop or home directory, but in dCache (for re-creatable data) or archived (/project for things the group will re-use and are ‘smallish’, or
    in dCache + SURF Data Archive, in archive.nikhef.nl, or distributed in collaboration infra for e.g. WLCG)
  - notes, logbooks, executable notebooks: in /project *with good descriptive meta-data* and in archive.nikhef.nl or Zenodo (for things that do not need to remain private)

… and if in doubt, talk about this in your group, or with your supervisors, or mail us!

https://intranet.nikhef.nl/personeel-organisatie-po/ and https://www.nikhef.nl/medewerker/els-de-wolf/;
and for NWO-I RI se https://intranet.nikhef.nl/2022/01/20/vertrouwenspersonen-wetenschappelijke-integriteit-confidential-advisers-scientific-integrity/

General computing, login, mail, eduVPN *mattermost, zoom, account reset, SURFdrive, …*	helpdesk@nikhef.nl or tel:+31205922200
Stoomboot and local dCache	stbc-users@nikhef.nl for self-help Mattermost: **Nikhef-members#stbc-users**
How to best use distributed computing	stbc-admin@nikhef.nl, grid.support@nikhef.nl
Security concerns or incidents	security@nikhef.nl or tel:+31205925090
prefer to read up?	https://kb.nikhef.nl/ct/ for all answers!

Office Hours in the central Vertex
every **1st Thursday** of the month **at 1300**,
cake for everyone with an ICT question!

and there's https://nikhef.status.io/

David Groep

davidg@nikhef.nl

https://www.nikhef.nl/~davidg/presentations/

https://orcid.org/0000-0003-1026-6606

Maastricht University

Nikhef