

The logo for Nikhef, featuring the word "Nikhef" in a stylized, light blue font. The letter "i" has a dot, and the "h" has a vertical bar. The letters are connected by thin lines, giving it a technical or scientific appearance.

Nikhef

The logo for Maastricht University, consisting of a blue square with a white triangle containing the letters "U" and "M" in white.

Maastricht University

how to work together

You, your laptop,
and somebody else

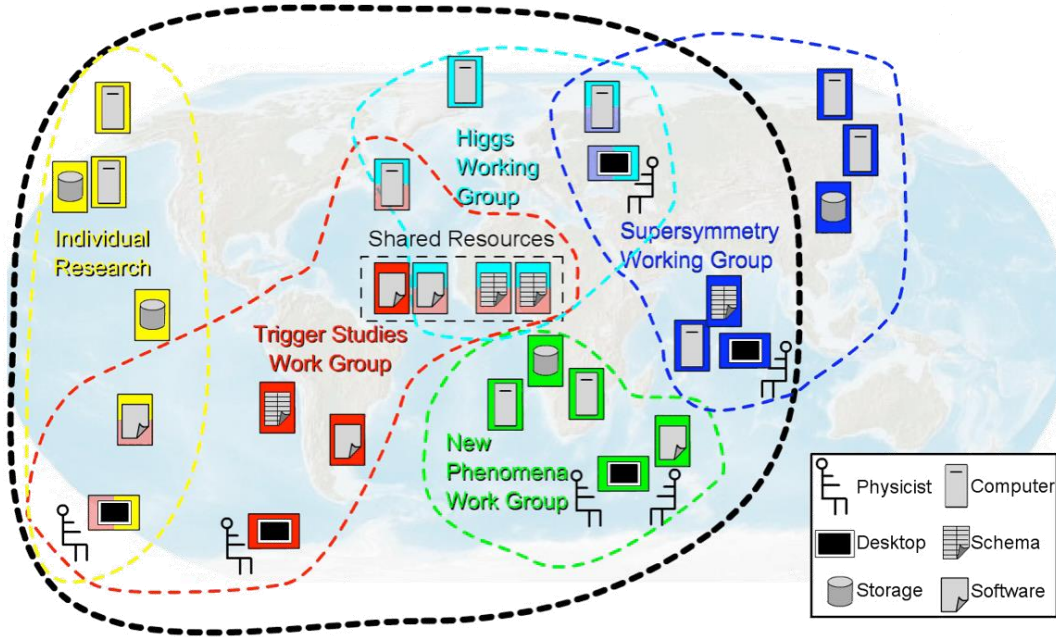
An abstract graphic on the right side of the slide. It features a light blue background with a dark blue diagonal line. The graphic consists of numerous small blue dots and lines, some solid and some dashed, forming a complex, interconnected pattern that resembles a network or a data visualization. The lines and dots are scattered across the right half of the slide, with some lines extending from the top right towards the bottom left.

David Groep
Nikhef
Computing Course 2022

Objectives for this session

- 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 Identity Services & Federated Login
- Know how to use Zoom and Mattermost

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

The image is a collage of several overlapping screenshots from different web services:

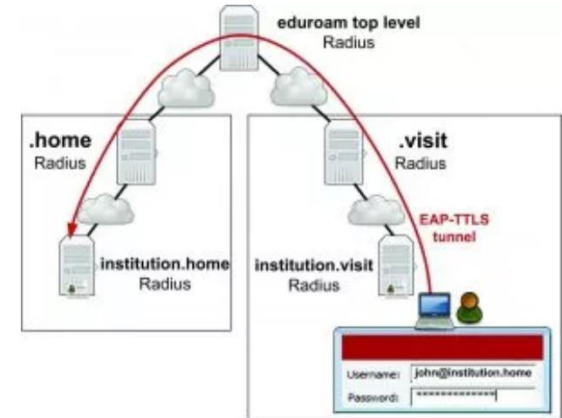
- Mattermost:** A chat interface with a sidebar showing channels like 'Town Square' and 'ComputingCourse'.
- SURF Filesender:** A file sharing interface with a 'Welcome to SURFfilesender' message and a form to create a voucher. The form includes fields for 'From' (davidg@nikhef.nl), 'To' (recipient email), 'Subject', and 'Message'. It also has an 'Expiry date' field set to 29/11/2022 and 'Guest options'.
- SSO Login:** A 'Choose Your Institution' page with 'Nikhef' and 'Maastricht University' listed as recent institutions. Below is a 'Videoconferencing at Nikhef' section with buttons for 'Join', 'Host', and 'SSO Sign in'.
- File Manager:** A 'surfdrive.surf.nl' interface showing a file named 'Leerdoelen.odt' and a sidebar with navigation options.
- Local File System:** A 'Cywin' window showing local folders like 'home-davidg/bin', 'home-davidg/project', and 'home-davidg/src'.
- Zoom SSO Prompt:** A dialog box titled 'Nikhef National Institute for Subatomic Physics' stating that SSO login is required. It includes a language dropdown (English), a 'Remember' checkbox, and a privacy policy link. At the bottom, it lists user information: 'urn:oid:2.5.4.4' and 'urn:oid:2.5.4.42', and identifies the user as 'David' from the 'Groep'.

The most simple service to get out of your laptop

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 encrypted tunnel (TTLS) to send your credentials (PAP), or asymmetric authentication with certificates (TLS)

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)

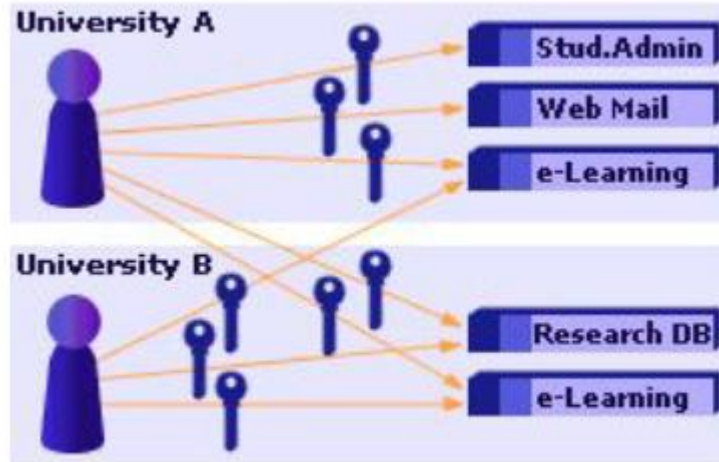


Many places: all Dutch R&E sites, a private home in Utrecht, Geneva airport, all bus stops in Poznan, Australia, UNLP La Plata ...

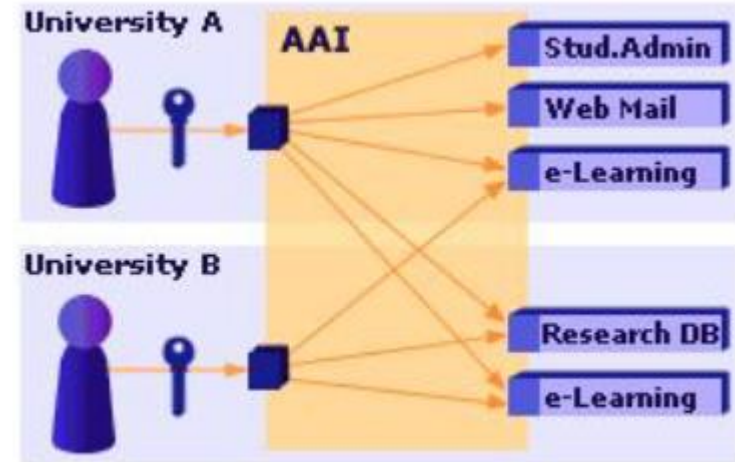
eduroam: Klaas Wieringa et al., image from <https://eduroam.org/how/>, GEANT ; use the eduroam CAT tool, the Nikhef helper app, or go to <https://wiki.nikhef.nl/ct/Eduroam>

Federated Authentication and Authorization Infrastructure

Without AAI



With AAI



User Administration / Authentication

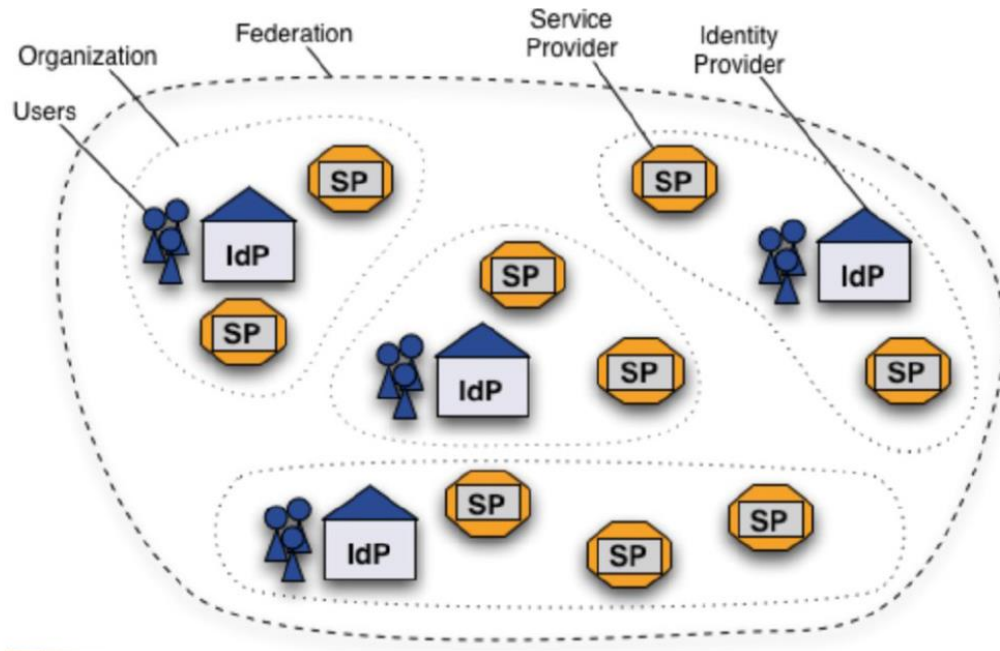
Authorization

Resource

Credentials

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

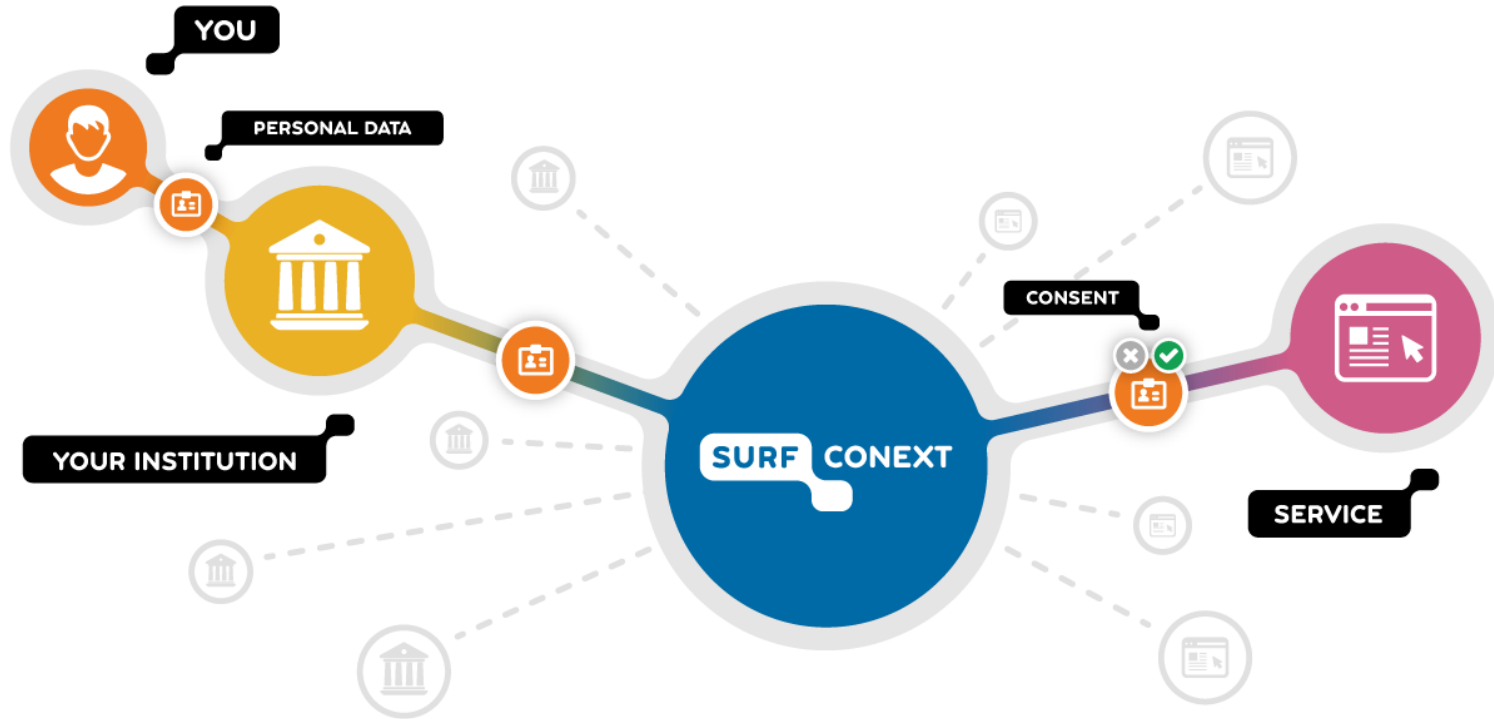


Image: SURFconext dashboard, <https://profile.surfconext.nl/>

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
balt:x:7:0:balt:/sbin:/sbin/balt
```

```
root:$6$s8ciAG5gLuv2bPQS$6EcskgtKvQ.rHb
davidg:$6$nDYcIez2Uaufbtlg$R1hS/Qjn0qYQ
marianne:$6$p3CeevG6jfNDqZj1$HKHqUTnt2fEqQ1KA/m3J30A0AVZ5VgLEKRSQHP5
```



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

Authorization: what you are allowed to do

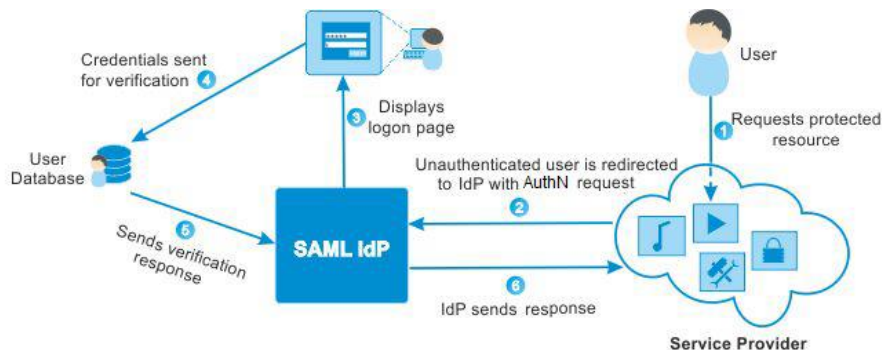
- you may need to ‘collect’ assertions bound to your identity to gain access to services
- like visa, bound to your entity through either Nikhef, or a community attribute authority (VOMS, IAM Proxy, ...)
- in the collaboration cases here the assertions you collect from the Nikhef Identity Provider (‘SSO’) 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	<ul style="list-style-type: none">• 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



“SAML2.0” login flow

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

SAML WebSSO flow image: SWITCH, CH

Not all services are created equal

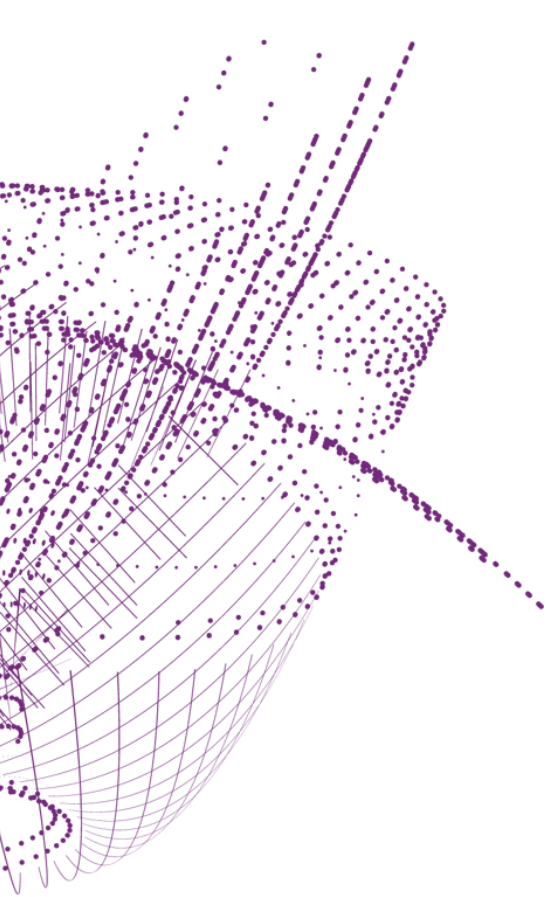
Although you may not think about it all the time ...

- 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?

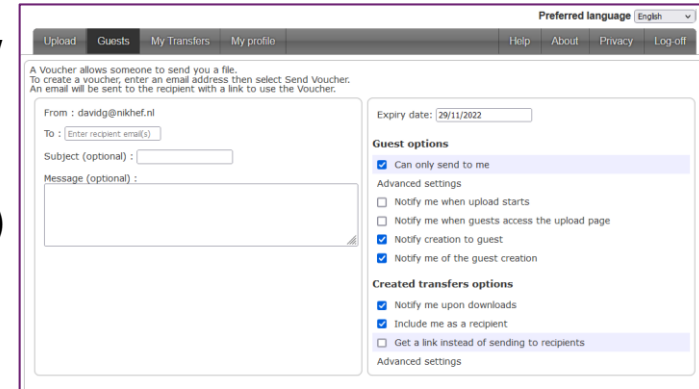
For sharing larger files

- **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

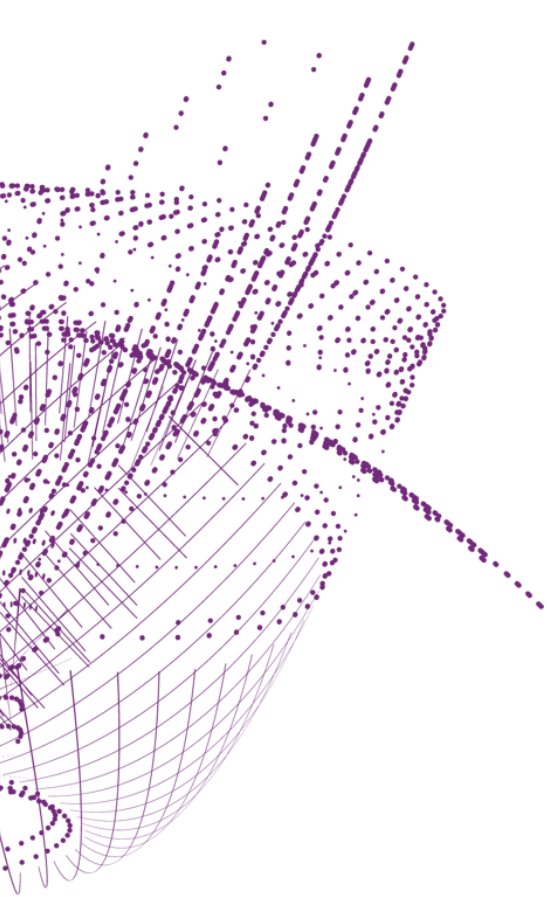
FileSender

<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)



The screenshot shows the FileSender web interface. At the top, there is a navigation bar with tabs for 'Upload', 'Guests', 'My Transfers', and 'My profile'. On the right side of the navigation bar, there are links for 'Help', 'About', 'Privacy', and 'Log off', along with a 'Preferred language' dropdown menu set to 'English'. Below the navigation bar, there is a text box with the following text: '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.' Below this text, there is a form with the following fields: 'From : davidg@nikhef.nl', 'To : [Enter recipient email(s)]', 'Subject (optional) :', and 'Message (optional) :'. To the right of the form, there is an 'Expiry date' field set to '29/11/2022'. Below the form, there are two sections of options: 'Guest options' and 'Created transfers options'. The 'Guest options' section has a checked checkbox for 'Can only send to me' and two unchecked checkboxes for 'Notify me when upload starts' and 'Notify me when guests access the upload page'. The 'Created transfers options' section has a checked checkbox for 'Notify me upon downloads', a checked checkbox for 'Include me as a recipient', and an unchecked checkbox for 'Get a link instead of sending to recipients'. At the bottom of the options section, there is a link for 'Advanced settings'.



Collaborative Sync & Share Services, a.k.a. 'CS3'

SURFdrive and CERNbox

Collaborative Sync-and-Share Service ('CS3') for files

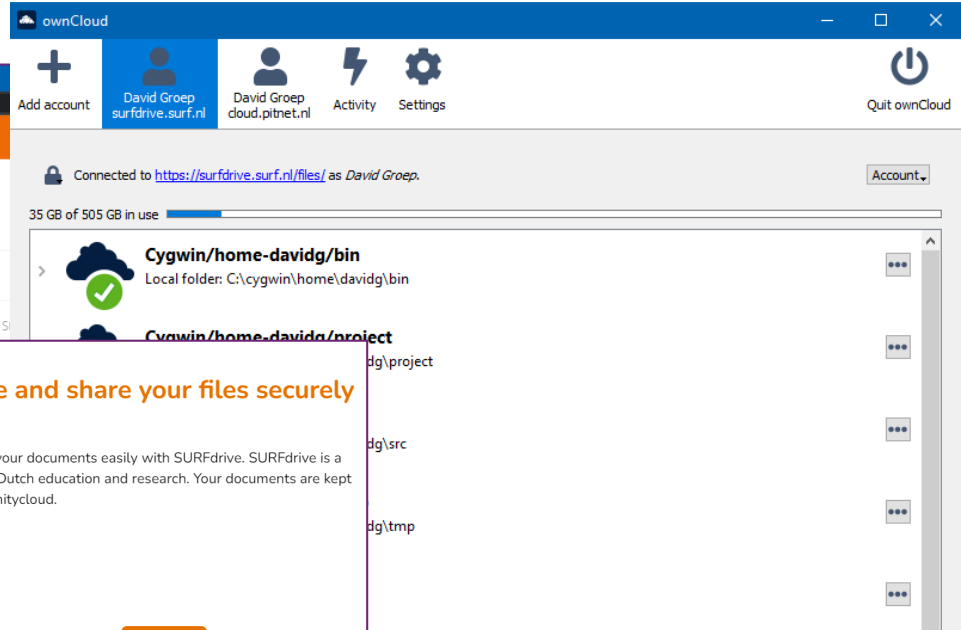
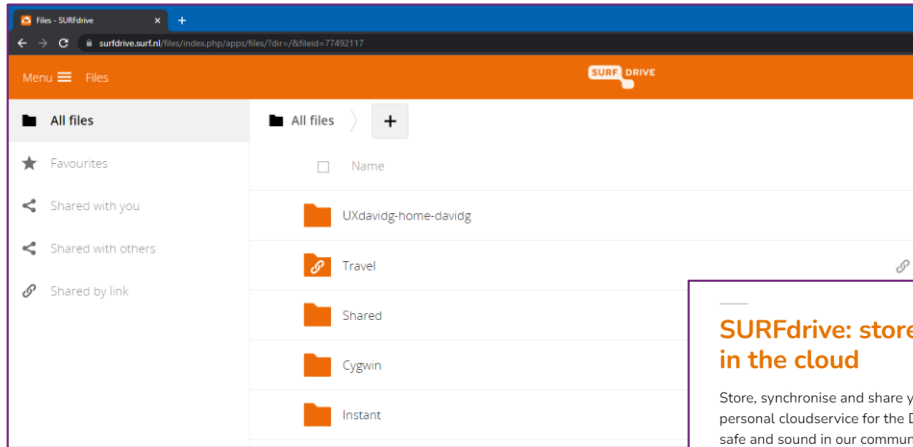
Sharing files and collaborative documents, results, papers, or your photos

- 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



Also provides

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

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.

[Log in SURFdrive](#)

[SURFdrive](#) [For users](#) [For administrators](#) [Downloads](#) [Tutorials](#) [FAQ](#)

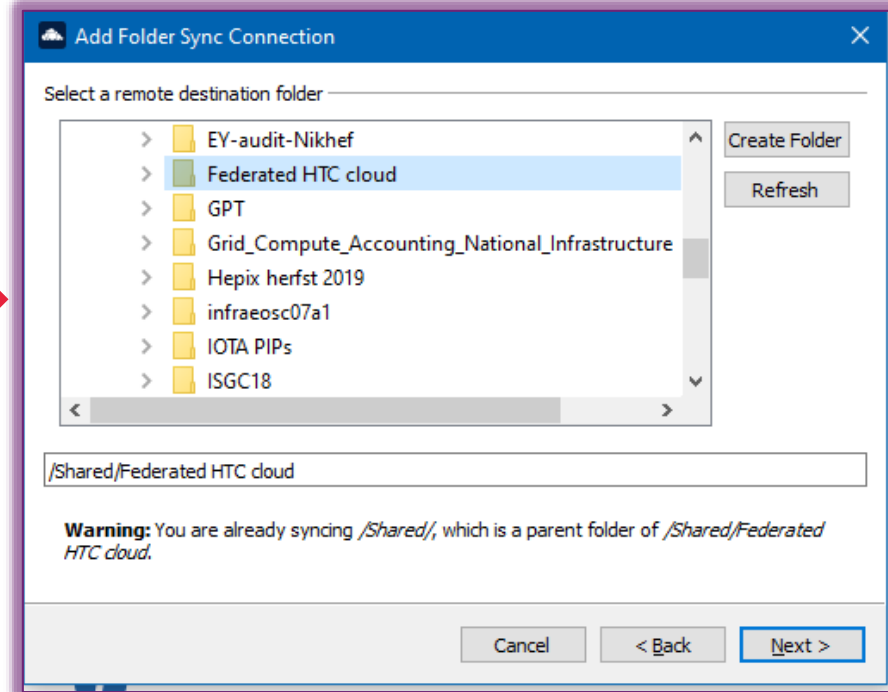
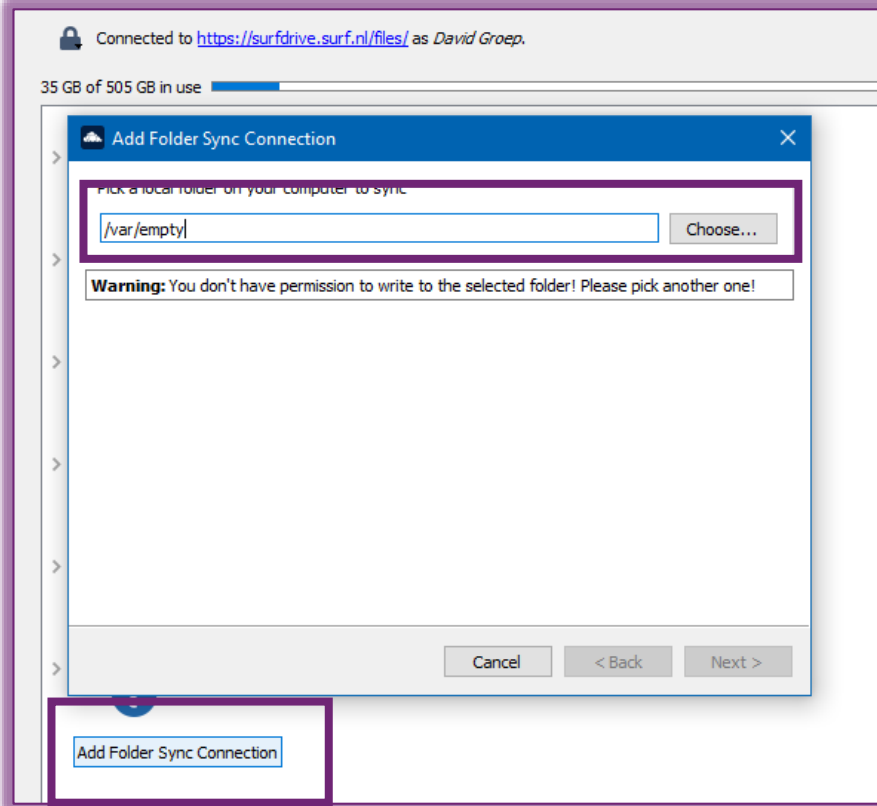
[Downloads](#)

Downloads for SURFdrive

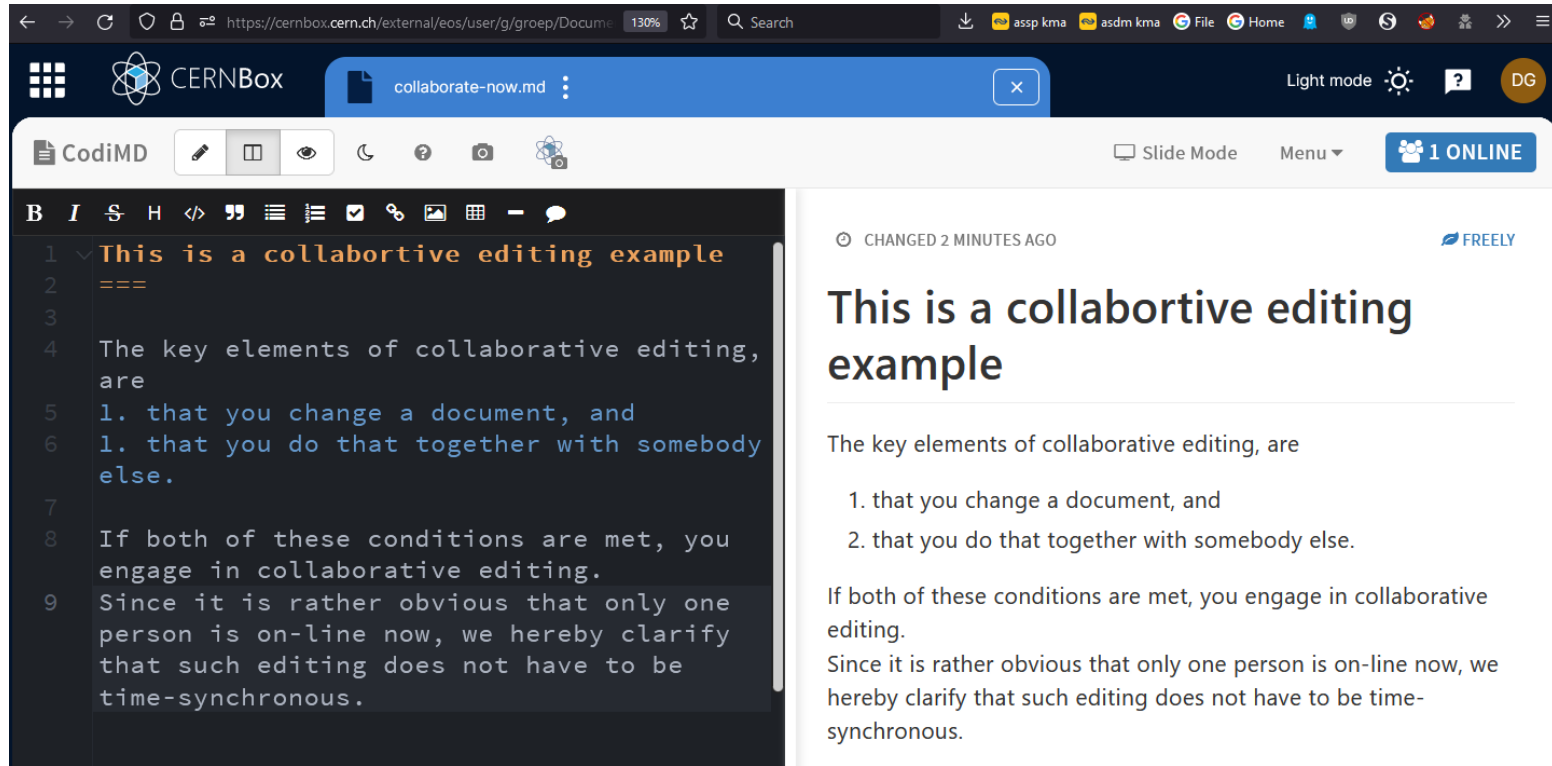
Web interface at <https://surfdrive.surf.nl/> - client download at <https://www.surf.nl/en/downloads-for-surfdrive> or use the OwnCloud client (if you already run OwnCloud)

Folder sync connection and VFS virtual file systems

try it live!



But this is also a great way of working on documents



The screenshot displays the CERNBox CodiMD interface. The browser address bar shows the URL `https://cernbox.cern.ch/external/eos/user/g/groep/Docume`. The CodiMD toolbar includes icons for editing, viewing, and collaboration. The document content is shown in two views: a dark-themed editor on the left and a light-themed preview on the right. The editor shows a markdown file with the following content:

```
1 This is a collabortive editing example  
2 ===  
3  
4 The key elements of collaborative editing,  
5 are  
6 1. that you change a document, and  
7 1. that you do that together with somebody  
8 else.  
9  
10 If both of these conditions are met, you  
11 engage in collaborative editing.  
12 Since it is rather obvious that only one  
13 person is on-line now, we hereby clarify  
14 that such editing does not have to be  
15 time-synchronous.
```

The preview view shows the rendered HTML output, including a timestamp "CHANGED 2 MINUTES AGO" and a "FREELY" license icon. The preview content is:

CHANGED 2 MINUTES AGO FREELY

This is a collabortive editing example

The key elements of collaborative editing, are

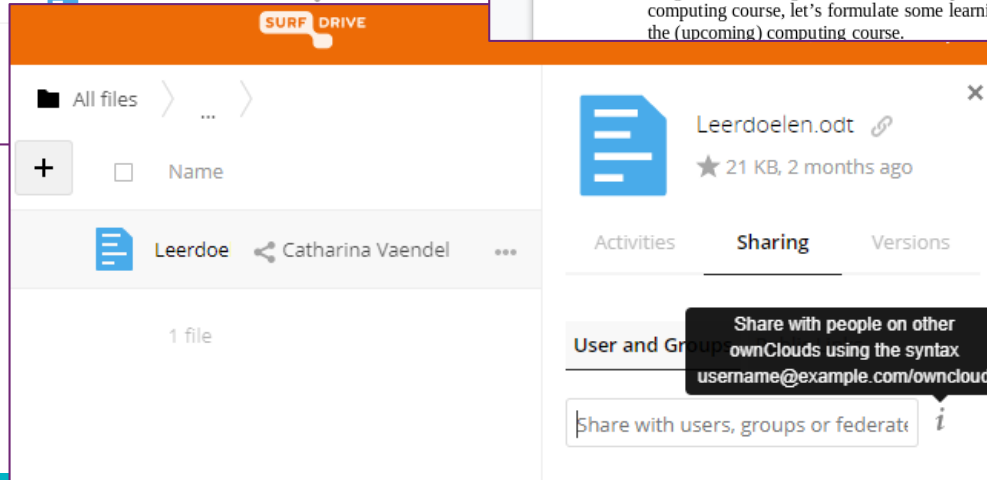
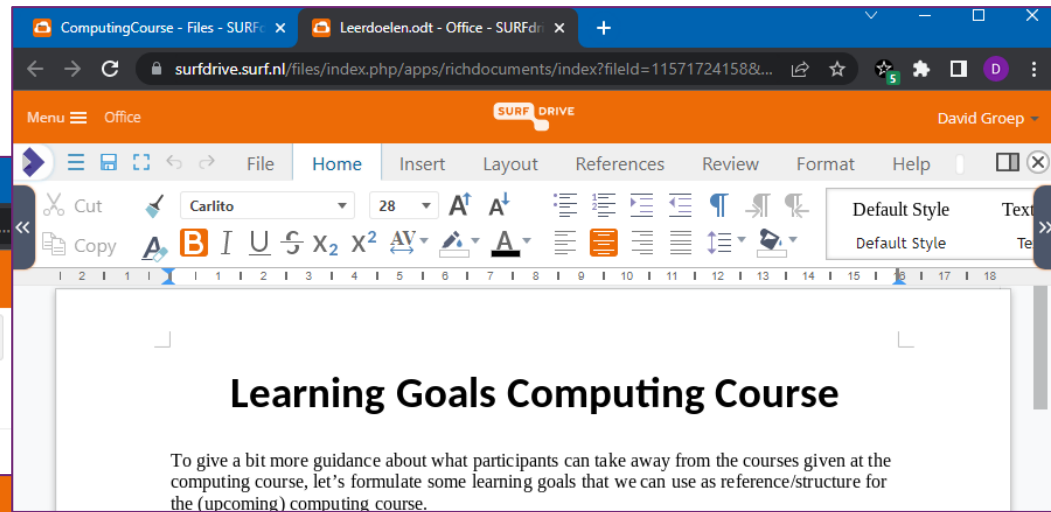
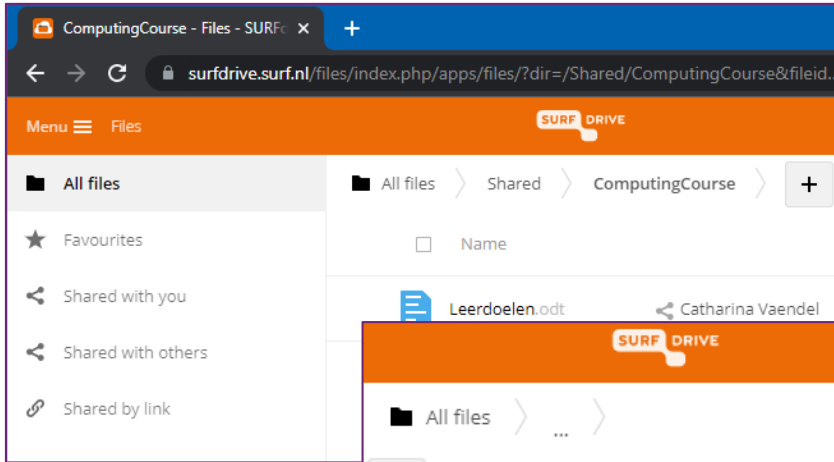
1. that you change a document, and
2. that you do that together with somebody else.

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.

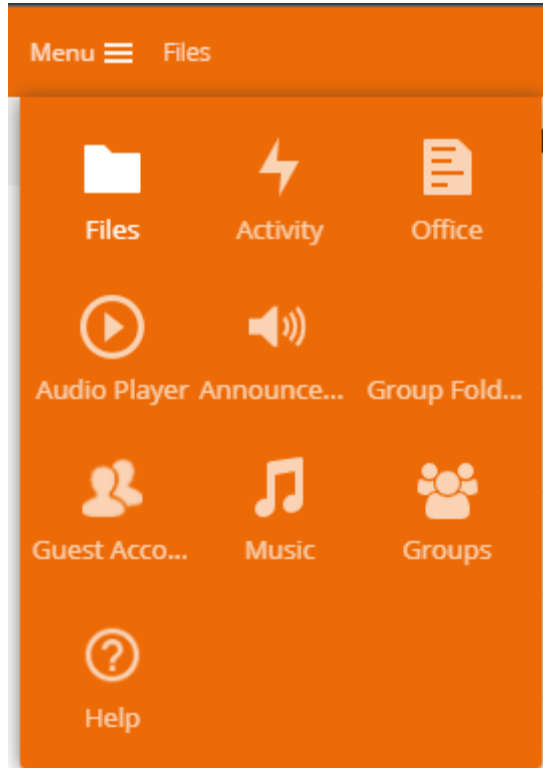
Example above from CERNbox, editing a markdown file. It also works on Word documents, spreadsheets, and presentations.

Also on SURFdrive

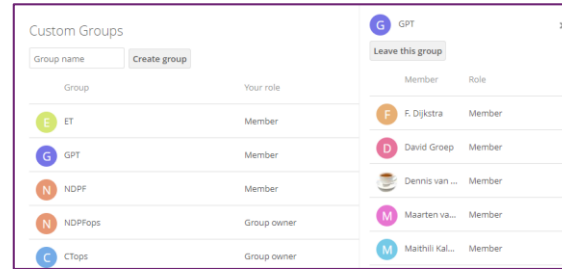


<https://surfdrive.surf.nl/files>

SURFdrive allows to share with groups, and more



- you can share with all SURFdrive users
- groups also can contain ‘anyone in NL’

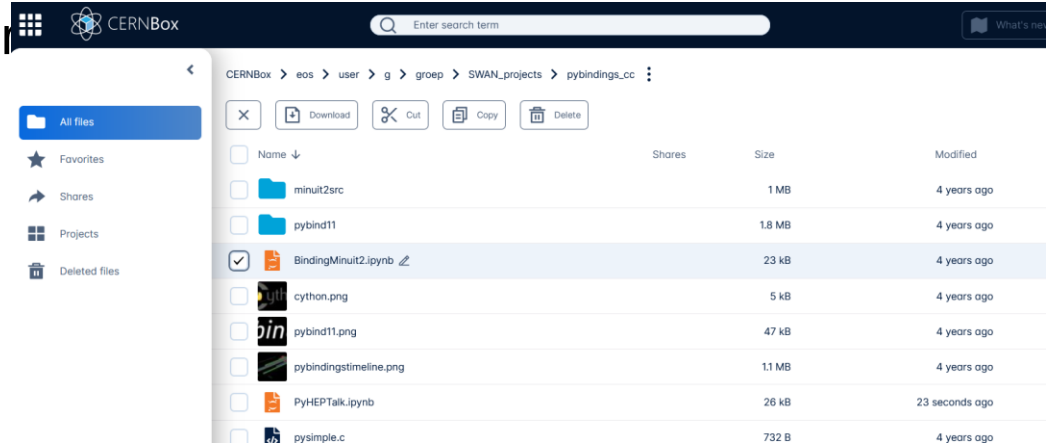


- group *folders* are like ‘/project’ for collaboration
 - are 500 GByte each, max 5 per person,
 - are charged per group folder, so don’t overdo it 😊
- it is possible to create guest accounts for external collaborators (ask the helpdesk for now)

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)



```
-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

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.

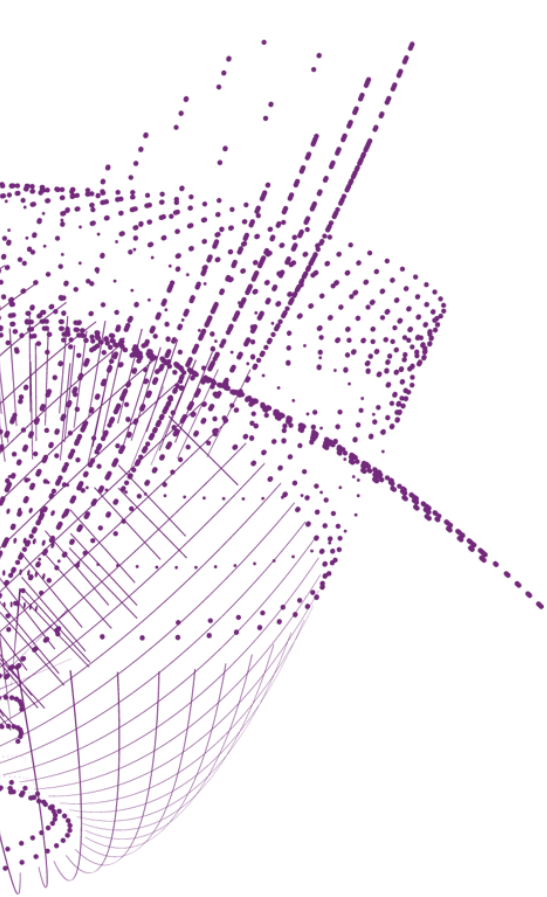
Open in  SWAN

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 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 a licensed zoom membership (although the number of licenses *is* limited)

- up to 500 attendees per meeting
- up to 500 in a webinar
- recording included (will be visible to participants)
- unlimited duration
- everyone can create meetings and webinars
- use Nikhef SSO login to get the right privileges

<https://nikhef.zoom.us/>

Zoom login – use SSO to get the Nikhef benefits!

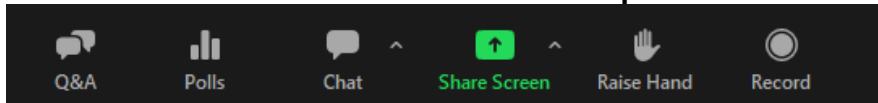
The process starts on the Zoom Cloud Meetings sign-in page. The SSO icon is highlighted. The user then selects 'Sign In with SSO' and chooses 'nikhef' from the domain dropdown. This leads to the Nikhef 'Videoconferencing at Nikhef' page, where the SSO Sign In button is highlighted. Finally, the user is redirected to the Nikhef SSO login page, where they enter their username 'davidg' and password, and click the 'Log In' button.

<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'?

CYBIKO® WIRELESS
HANDHELD COMPUTER
FOR TEENS (2000)

	TWITTER	DISCORD	MASTODON	FB	SLACK	SIGNAL	IRC	TUMBLR	REDDIT	SMS	
											
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.)



<https://xkcd.com/927/>

The 'Nikhef default' chat system: mattermost

Nikhef hosts its own mattermost server for everyone

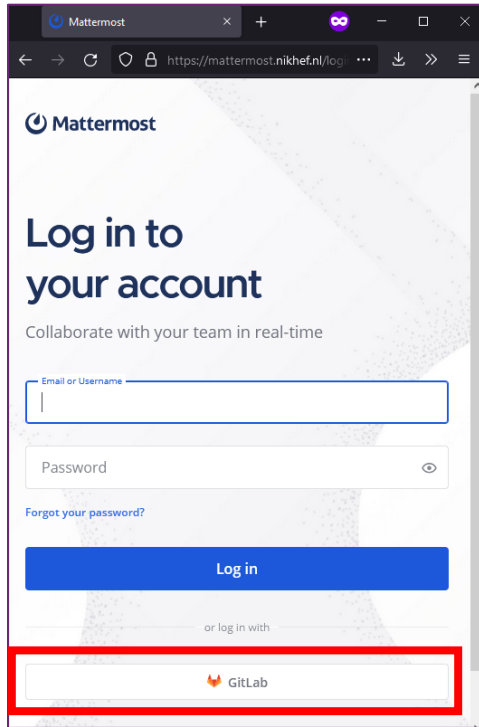
- linked also to Gitlab@Nikhef to have project chats
- login (via Gitlab) using Nikhef SSO
- you can invite anyone from the academic community on Mattermost
 - some new domains will have to be whitelisted – they can already authenticate
 - ask the helpdesk to enable new domains for Gitlab

<https://mattermost.nikhef.nl/>

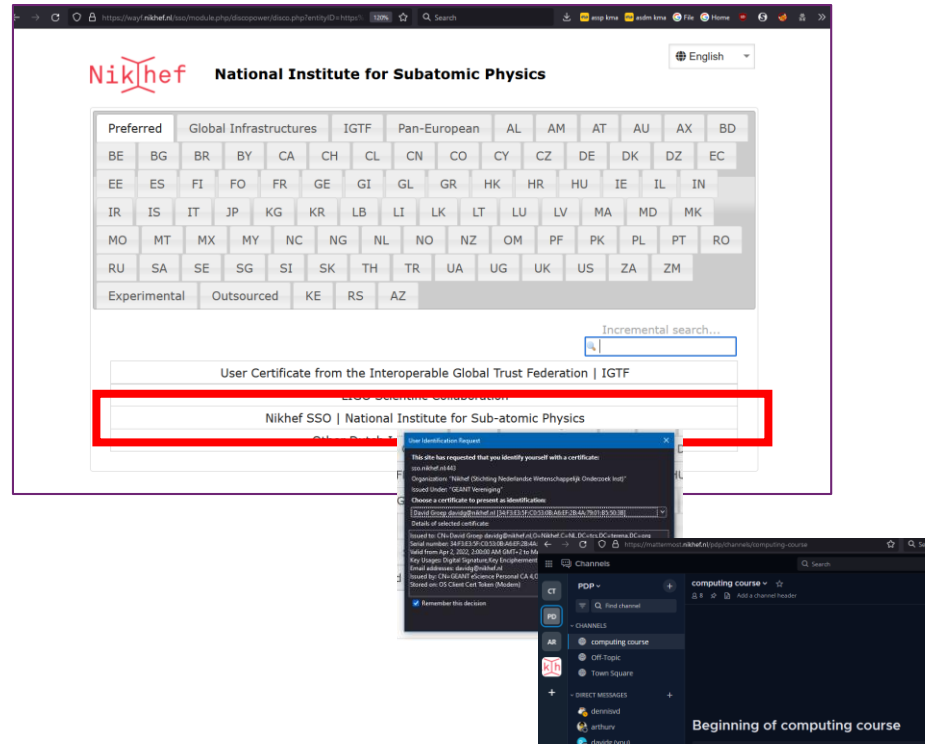
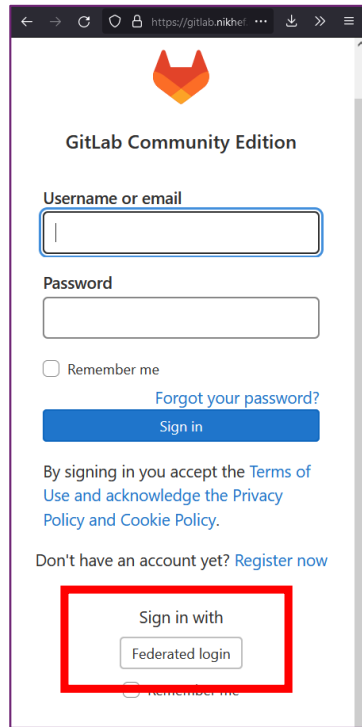
CERN also has Mattermost linked to SSO (<https://mattermost.web.cern.ch/>)

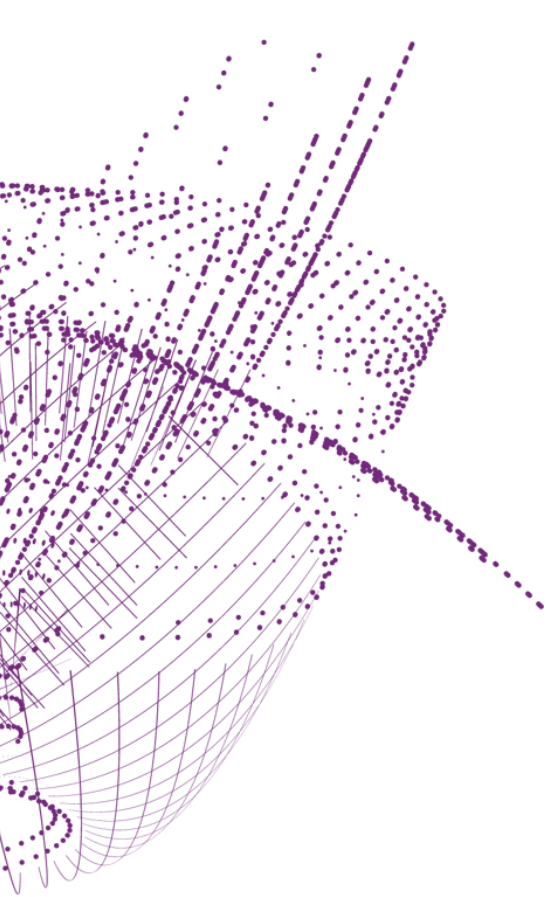
- On the desktop client, you can have multiple servers
- For android, use the Mattermost beta client
 - <https://play.google.com/store/apps/details?id=com.mattermost.rnbeta>

Mattermost login dance (saves us € 36000 per year)



<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

The screenshot shows the SURFspot website interface. At the top left is the SURF SPOT logo with the tagline "SMART DEALS FOR EDUCATION". To the right are links for "Klantenservice", a user account menu ("Mijn SURFspot"), and language selection ("English"). A search bar labeled "Zoeken naar..." and a shopping cart icon are also present. Below the header is a navigation menu with categories: Software, Hardware, Antivirus, E-learning, Online applicaties, and Thuiswerk. A dropdown menu is open under "Mijn SURFspot", listing: Dashboard, Persoonlijke gegevens, Bestellingen, Reviews, Nieuwsbrief, and Inloggen. Below the navigation are several promotional banners: "Exclusieve studentenkorting", "Eenvoudig inloggen met onderwijsaccount", "Gratis thuisbezorgd", and "Klantscore 8,8 op Kiyoh". The main content area features a large teal banner for "Studeren start bij SURFspot" with the text "Kies je voor een Apple MacBook, Windows laptop of refurbished?" and a "Bekijk de laptops" button. To the right are three product cards: "IBM SPSS 29" (statistical analysis software), "Ben jij creatief?" (Adobe Creative Cloud), and "Gratis Windows 11" (operating system upgrade).






<https://surfspot.nl/>

Being kind to your colleagues' fingers

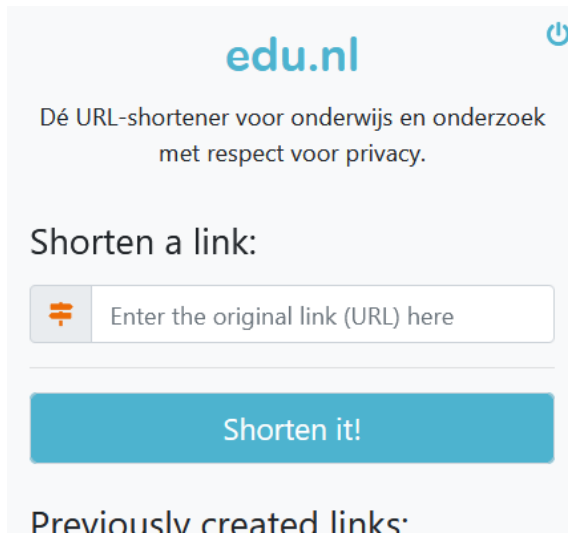
For short messages on mastodon, or for persistent URLs to (changing) destinations

<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/taevv	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 (like “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

My visitors

Create visitor

You can have up to **500** visitors at the same time. Those visitors can use the eduroam Wi-Fi network for a maximum period of **30** day(s).

Currently **0** out of **500** visitor accounts are created.

QUICK CREATE 1-DAY ACCOUNT

Mobile number or email *

+31666666666

Submit

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

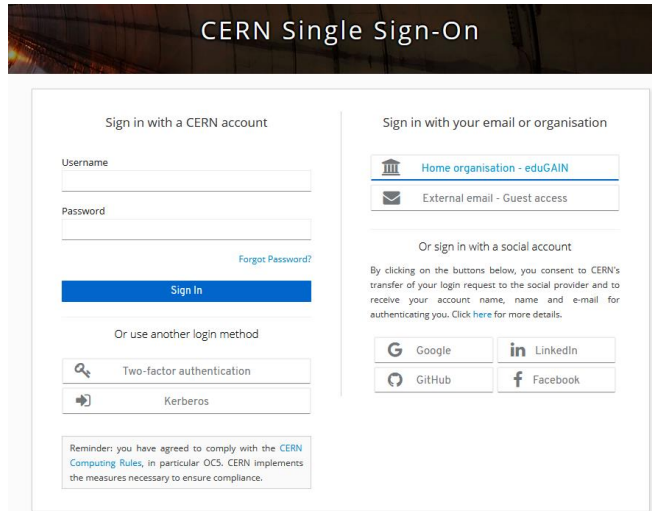
Wifi netwerk (SSID): eduroam

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

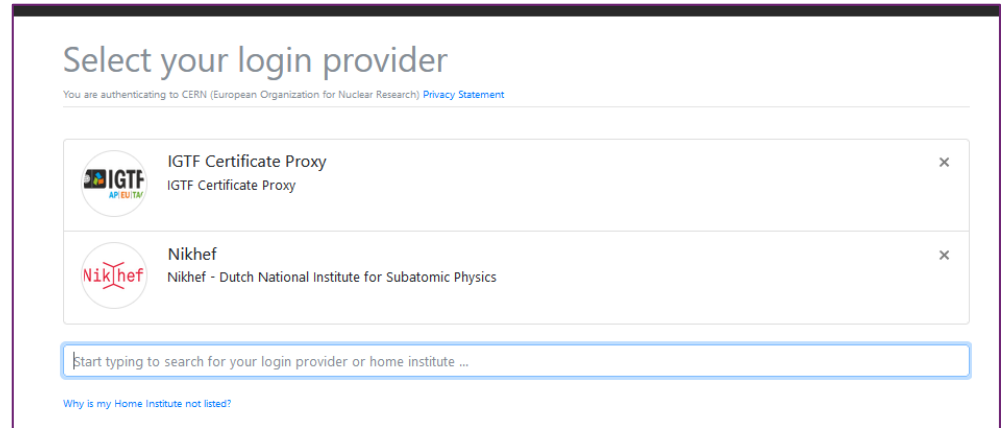
De tijdelijke toegang tot het wifi netwerk verloopt via uw gastheer/gastvrouw David Groep (Nationaal instituut voor subatomaire fysica). Heeft u vragen over deze toegang of het netwerk neemt u dan contact op met hem/haar.

CERN SSO proxy

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



The screenshot shows the 'CERN Single Sign-On' login interface. It is divided into two main sections: 'Sign in with a CERN account' and 'Sign in with your email or organisation'. The first section includes fields for 'Username' and 'Password', a 'Forgot Password?' link, and a blue 'Sign In' button. Below this, there is a section for 'Or use another login method' with buttons for 'Two-factor authentication' and 'Kerberos'. A reminder at the bottom states: 'Reminder: you have agreed to comply with the CERN Computing Rules, in particular OCS. CERN implements the measures necessary to ensure compliance.' The second section, 'Sign in with your email or organisation', offers 'Home organisation - eduGAIN' and 'External email - Guest access' options. Below these are social login buttons for Google, GitHub, LinkedIn, and Facebook. A note states: '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.'



The screenshot shows the 'Select your login provider' page. At the top, it says 'Select your login provider' and 'You are authenticating to CERN (European Organization for Nuclear Research) Privacy Statement'. Below this, there are two listed providers: 'IGTF Certificate Proxy' and 'Nikhef - Dutch National Institute for Subatomic Physics'. Each provider entry includes a logo and a close button (X). At the bottom, there is a search bar with the placeholder text 'Start typing to search for your login provider or home institute ...' and a link 'Why is my Home Institute not listed?'.

however, works only for the 'new' CERN SSO services (and not for EDH or Ixplus)

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 an open authentication policy. Federated login is always safer than creating yet-another-password. But: please review what attributes get released 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 through SURFconext. It shows which subset of your personal data (attributes) has been shared with the service. Additionally it shows whether you or your institution has given consent.

AAI Attributes Viewer - SWITCH	▼
CERN Online Services - CERN	▼
CERN Service Provider Proxy - CERN	
CESNET e-Infrastructure - CESNET	
CESNETs Filesender - CESNET	
CILogon - National Center for Supercomputing Applications	
Cert Manager - Sectigo	
Digital Curation Centre - DMP Online	
Donders Research Data Repository - Donders	
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 - Gitter - CNRS	
IOPscience - IOPscience	



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