

Virtual Home Organization

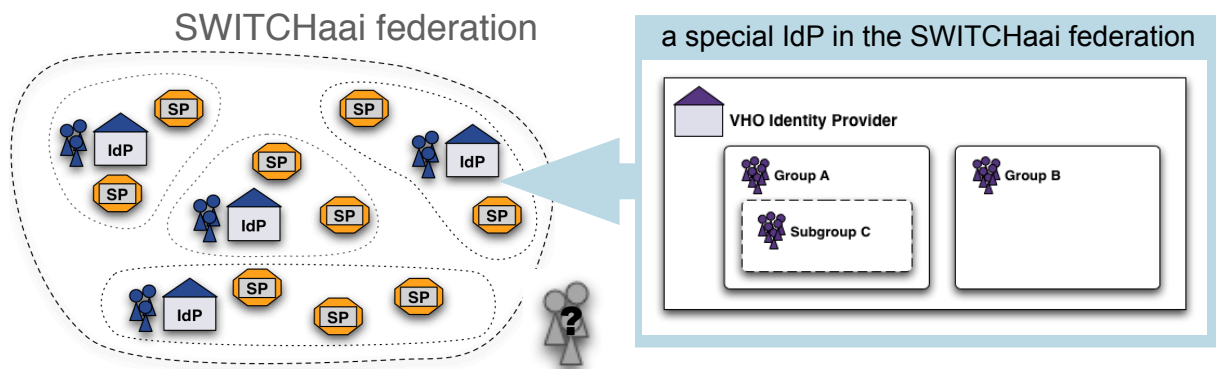


SWITCH
Serving Swiss Universities

Agenda

- ① Motivation & Context
- ② SWITCH VHO Service
- ③ VHO Administration Tool
- ④ Alternatives, Q&A

Motivation & Context



Problem

- Resource (SP) only accepts AAI users
- Users outside the federation wants to access the resource

Solution

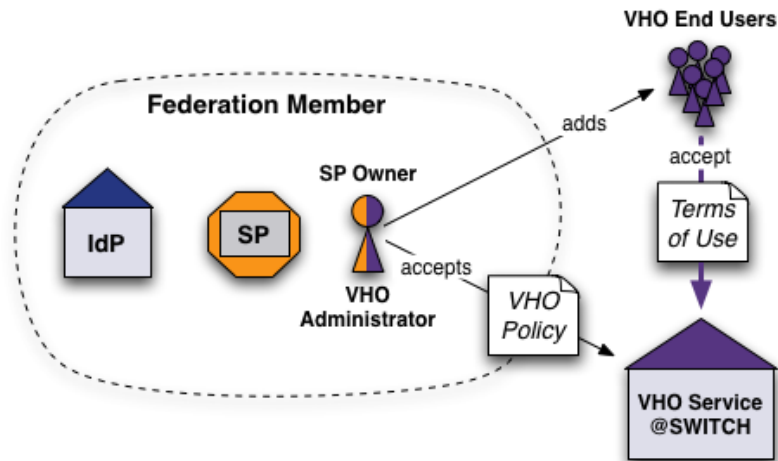
- Resource owner creates users in the VHO

Agenda

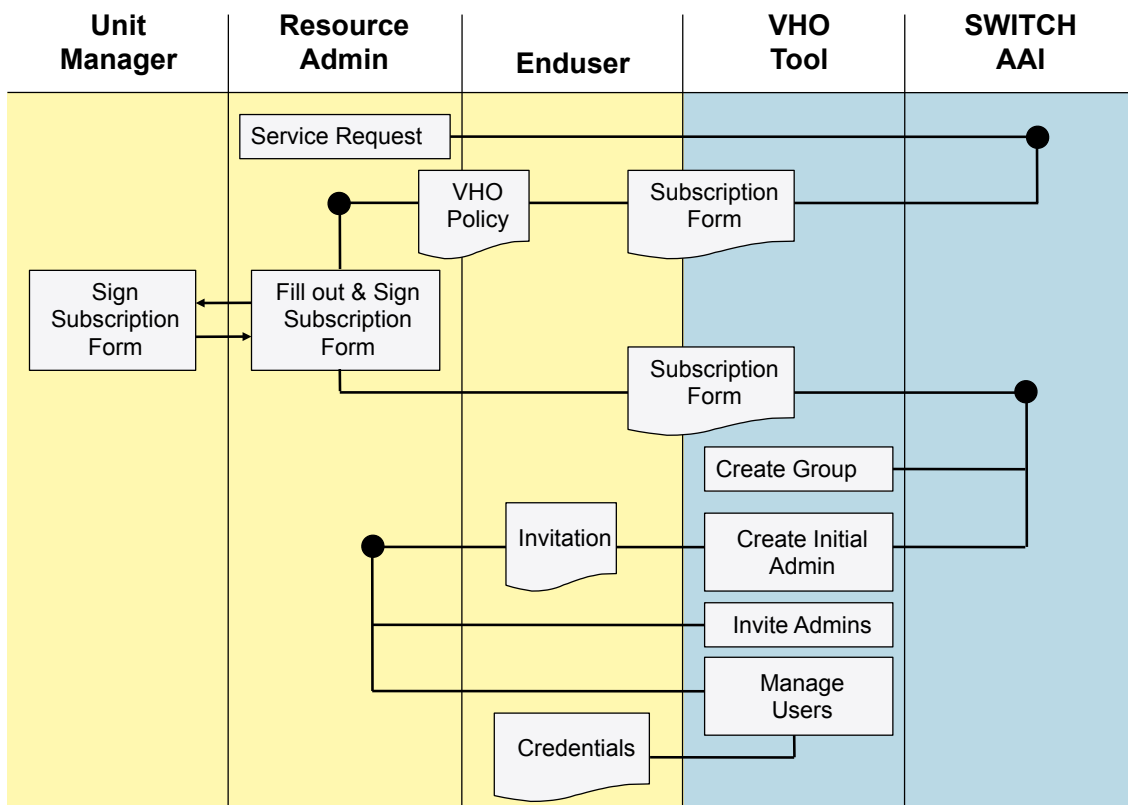
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SWITCH VHO Service

- Targeted end user groups
 - Attendees of a further education or other training
 - Collaboration projects from private companies or foreign universities, which are not in the SWITCHHaaI federation
- Resource owners can manage end user accounts themselves



Service Subscription Process



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VHOtools

■ Key functionalities of the VHOtools

- Administrator services
 - Manage one or more groups, which can be structured hierarchically
 - Define description for each group (support contact, mail templates)
 - Create new users with AAI attributes (E-Mail, entitlement, ...)
 - Modify, delete and expiring users (incl. password resets)
 - Import / Export of users
 - View Group Statistics
 - Account Expiration Reminder
- End user services
 - User self-service password changes
 - Support information

Screenshots administration tool (1)

demogroupa : 68 active - 29 expired - 2 deleted users

Choose action:
 Set expiration date = now
 Choose expiration date
 Update field
 Delete
 Download CSV

Search: >> Search
 (use * or % for wildcard search. The search is performed on username, first and last name, email and custom fields)

predefined actions

search users

sort by any attribute

<input type="checkbox"/>	Username	Last name	First name	Expiration date	Last modification date	Last login date	Custom field 1	
<input type="checkbox"/>	dga-user01	Johnson	Michael	28.04.2008	09.11.2007	15.04.2008		
<input type="checkbox"/>	dga-user02	Roberts	James	19.06.2008	09.11.2007	08.05.2008		
<input type="checkbox"/>	dga-user03	Robinson	Robert	22.12.2010	09.11.2007	19.03.2008		
<input type="checkbox"/>	dga-user04	Thompson	David	21.05.2008	09.11.2007			
<input type="checkbox"/>	dga-user05	Wright	John	25.11.2010	09.11.2007			
<input type="checkbox"/>	dga-user06	Walker	William	09.06.2008	09.11.2007	12.05.2008		
<input type="checkbox"/>	dga-user07	White	Richard	22.01.2009	09.11.2007	17.03.2008		
<input type="checkbox"/>	dga-user08	Edwards	Mark	19.06.2008	09.11.2007	05.04.2008		
<input type="checkbox"/>	dga-user09	Hughes	Thomas	11.05.2009	09.11.2007	27.04.2008		
<input type="checkbox"/>	dga-user10	Green	Steven	27.05.2008	09.11.2007	27.04.2008		

fast user state identification

creation, last modification last login, expiration date & custom info

paged userlist switch the custom views

View: short medium long inactive
 active expired deleted

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Screenshots administration tool (2)

Straightforward user creation and modification by form...

demogroupa : Create a new user

- Fields marked with an asterisk (*) are mandatory.
- A password and an AAI UniqueID will be generated automatically.

Username * dga-peter.smith
The username is already prefixed with dga-
The entire username is dga-peter.smith

Last name * Smith

First name * Peter

E-mail * peter.smith@example.edu.org

Entitlement * http://example.edu.org/dga
All entitlements must be prefixed with http://
Use one line per entitlement, if you want to defi

Business phone number +1 23 4444 55 66
e.g.+41 44 268 15 05

Business postal address Golden Lane 7
 80000 Los Angeles CA

Preferred Language en
Enter the full postal address with carriage re

Description Some demo user
The description is intended for internal use only.
It will never be released to any resource.

Affiliation affiliate

Home organization aai-test.vho-switchaai.ch

Home organization type vho

Expiration date 1 year or enter date 20.11.2008
The date format is dd.mm.YYYY
After the expiration date is reached the user won't be able to login with his VHO account.

demogroupa : View active user

Expire Delete Reset password Edit

Username: dga-peter.smith
 uniqueID: 032108@aai-test.vho-switchaai.ch

Last name: Smith
 First name: Peter
 E-mail: peter.smith@example.edu.org
 Entitlement: http://example.edu.org/dga
 Business phone number: +1 23 4444 55 66
 Business postal address: Golden Lane 7
 80000 Los Angeles CA
 Preferred Language: en
 Description: Some demo user
 Affiliation: affiliate
 Home organization: aai-test.vho-switchaai.ch
 Home organization type: vho

Expiration date: 20.11.2008 00:00:00
 Creation date: 20.11.2007 14:26:47
 Last modification date: 20.11.2007 14:26:47

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Screenshots administration tool (3)

...or easy mass user creation by file upload

demogroupa : Import users from CSV file

You can import a list of users in the VHO using a CSV ([Comma Separated Values](#)) file. Use this Excel template [vho-import.xls](#) to create your users list, then just export the sheet in CSV format (**UTF-8**) in order to import your users in the VHO.

CSV Data Specifications
At least the fields marked with an asterisk (*) need to be in your CSV header:

- username***: The prefix **dga-** will be added automatically if missing.
- password**: If the field has no value, a new password will be generated. Please choose a good password if you define one: minimum 6 characters, mixed uppercase and lowercase letters and at least one number.
- surname***: The last name.
- givenname***: The first name.
- mail***: The email address of the user.
- eduPersonEntitlement**: If the field has no value, <http://example.edu.org/dga> will be used as default prefix/value. For multiple entitlements please add additional **eduPersonEntitlement** columns.
- postalAddress**: Use the dollar sign "\$" for line breaks.
- telephoneNumber**: e.g. international format +41 44 268 15 05
- preferredLanguage**: Must be one of *de/fr/it/en*.
- description**: For your internal use. i.e. PhD Student.
- dateExpire**: Expected format is **dd.mm.YYYY**. If the field has no date, the user will expire in **1 year**.

- An AAI UniqueID will be generated automatically for each user.
- The file encoding should be **UTF-8**. (You can change the encoding in the [preferences](#))
- Additional columns in your CSV file will be ignored.

Choose the CSV file containing your users list to import in the VHO:

Screenshots administration tool (4)

Mail templates

New user

Subject:

(**\$NAME\$, \$USERNAME\$, \$PASSWORD\$, \$GROUPADMIN\$**)

Dear **\$NAME\$,**

We created you a new AAI account in the Virtual Ho

Username: **\$USERNAME\$**
Password: **\$PASSWORD\$**

Please be aware that the username and password are

If you have any problem using your credential, please contact the help desk. A list of all VHO administrators is available at <http://www.switch.ch/aai/support/help/vho.html>

Best regards
your VHO Administrator
\$GROUPADMIN\$

Define views for list users function

Name	Sort attribute	Sort order	Users per page
A: short	Username	ascending	20
B: medium	Username	ascending	20
C: long	Username	ascending	20
D: custom	Username	ascending	10

The expired and deleted users will **only** be shown in view **D**.

A	B	C	D	Attributes
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Username
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	uniqueID
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Last name
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	First name
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	E-mail
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Entitlement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Business phone number
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Business postal address
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Preferred Language
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Description
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Affiliation
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Home organization
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Home organization type
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Expiration date
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Creation date
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Last modification date
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Last login date

Customizing e-mail templates, i.e. 'new user' or 'reset password'

Define custom views for the user list

Screenshots administration tool (5)

Group statistics

Group	Valid users 100%	Active last week	Active last month	Active last 3 months	Active last 6 months	Active last 12 months	Not active last 12 months	Never active created < 6 months	Never active created > 6 months	Expired	Orphans
demogroupa	97	2 2.1%	15 15.5%	45 46.4%	6 6.2%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	29 29.9%	0 0.0%
demosubgraa	99	3 3.0%	18 18.2%	45 45.5%	5 5.1%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	28 28.3%	0 0.0%
demogroupb	99	5 5.1%	24 24.2%	40 40.4%	9 9.1%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	21 21.2%	0 0.0%

The VHO groups highlighted should be cleaned up
Reason: > 20% orphaned accounts

Orphans are calculated as the sum of:

- accounts with no login in the past 12 months
- accounts never used and created more then 6 months ago

[Export orphaned accounts of selected groups](#)

Account expiration reminder:

We want to inform you, that the following accounts will expire within the next 6 weeks:

```
expiration date | user account
-----
Tue, 03. Jun. 2008 | dga-user10
Wed, 11. Jun. 2008 | dgb-user56
                  | dgb-user82
```

VHOtools demo access

SWITCH provides a demo access to the VHOtools with some non-real groups and users.

Just try it at:

`https://tools.test.vho-switchaai.ch/`

with the following credentials:

username: switch-demoadmin(AAITest)

password: demoadmin

For further information, look at:

`http://www.switch.ch/aai/vho/`

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Alternatives for the Non-SWITCHaai Community

- OpenIdP
 - <http://openidp.org/>
 - Signup for an identity

- ProtectNetwork
 - <http://protectnetwork.org/>
 - Signup for an identity
 - Metadata:
 - <http://www.protectnetwork.com/protectnetwork-metadata.xml>

ProtectNetwork offers better quality and more features.