



This script will guide you through a couple of usual cases and show how you can facilitate routine with our products.

Predefined users for TTP Script

Login: user01
Password: user01

Login: user02
Password: user03

.....

Login: user20
Password: user20

Users have access:

- to iManager (can edit container ou=demo,o=ttp)
- ACD (admin functions are limited)
- SERAS small app
- TB

Go to the <https://dev.skypro.ch/index.html#Demo>

The screenshot shows the 'Choose an application from Demo' page of the SKyPRO demo environment. The page has a dark blue header with navigation links for 'Development', 'Intern', and 'Demo'. A search bar and a 'Login' button are in the top right. The main content area is light gray and features a table of application credentials, a list of download links, a warning box, and six application tiles.

Credentials for application	Username	Password	Additional information
Audit Dashboard	admin	demodemo	
SERAS	admin	demodemo	
iManager	demoadmin	demodemo	Tree: tbdemo

Download Demo schema Download Demo log file
Download TTP-Lab-Script.pdf
Audit & Compliance Dashboard 2.5 PPT
ToolBox 2.0 PPT
SERAS 1.0 PPT

Please be aware that this is a demo installation. User admin has all access rights and you're able to destroy the whole environment. Therefore this demo system will be reset daily. If you want to save any of your work, you have to export and download it to your local machine.

Audit Dashboard 2.9
Monitor all IDM events

Audit Dashboard 3.0 (pre-Alpha)
Monitor all IDM events

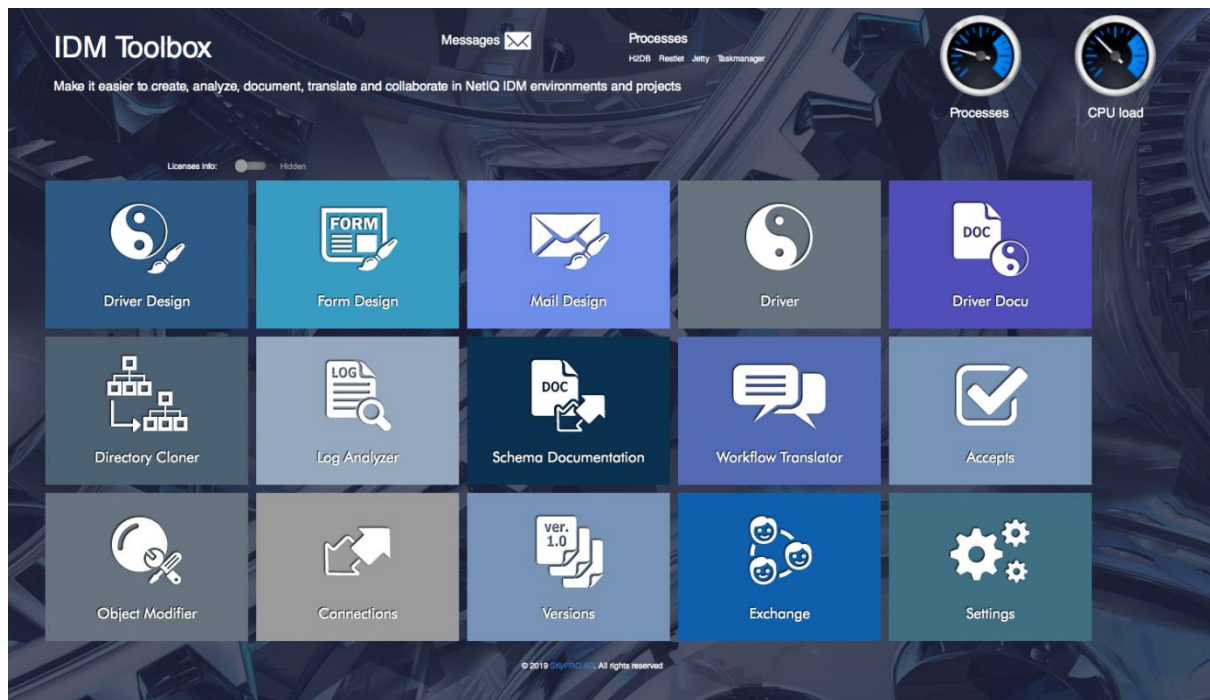
DT LDAP Cacher
LDAP at lightning speed

IDM Toolbox
Indispensable IDM Lifecycle tools

SERAS
SKyPRO Advanced Rest API

SERAS APP
SERAS Web Application

Select IDM ToolBox



Short overview through all modules, PPT

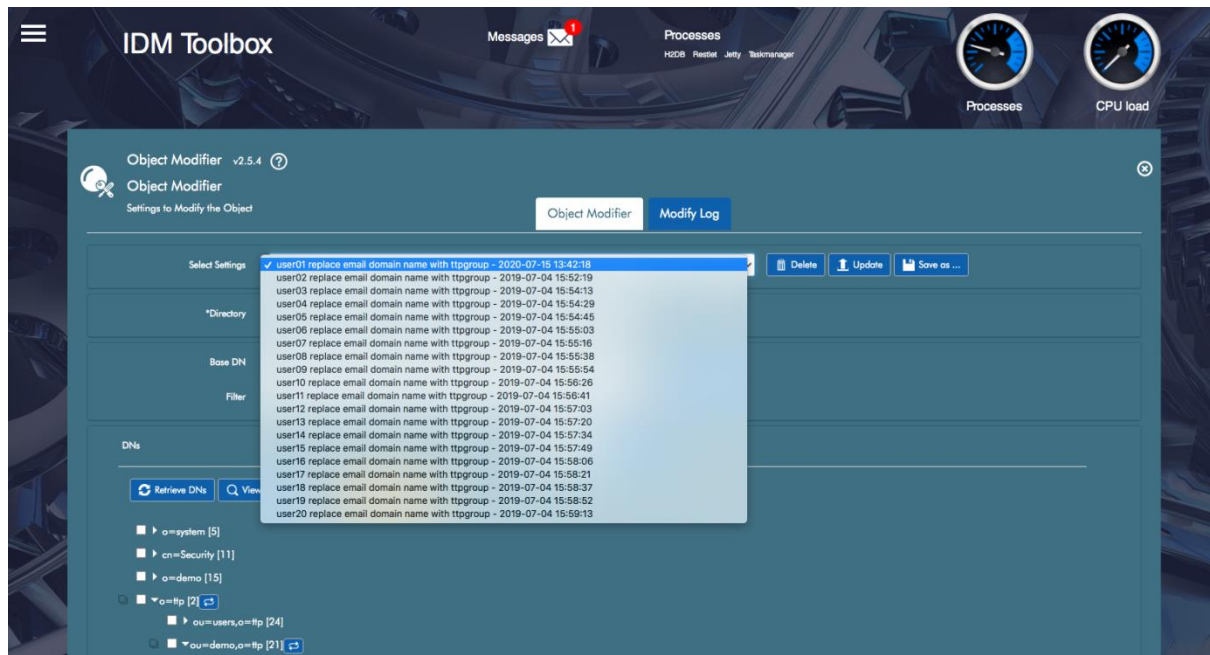
https://docs.google.com/presentation/d/1vbeAKYWQeodlxBIL0WVHm84PpqD2zDehY2mhkX_Sv_w/edit#slide=id.p

Let's start with Object Modifier ... Object modifier is ... (PPT)

Usage case: Imagine, you need to change the domain name for a department which contains thousands of users, is it easy to do this manually?

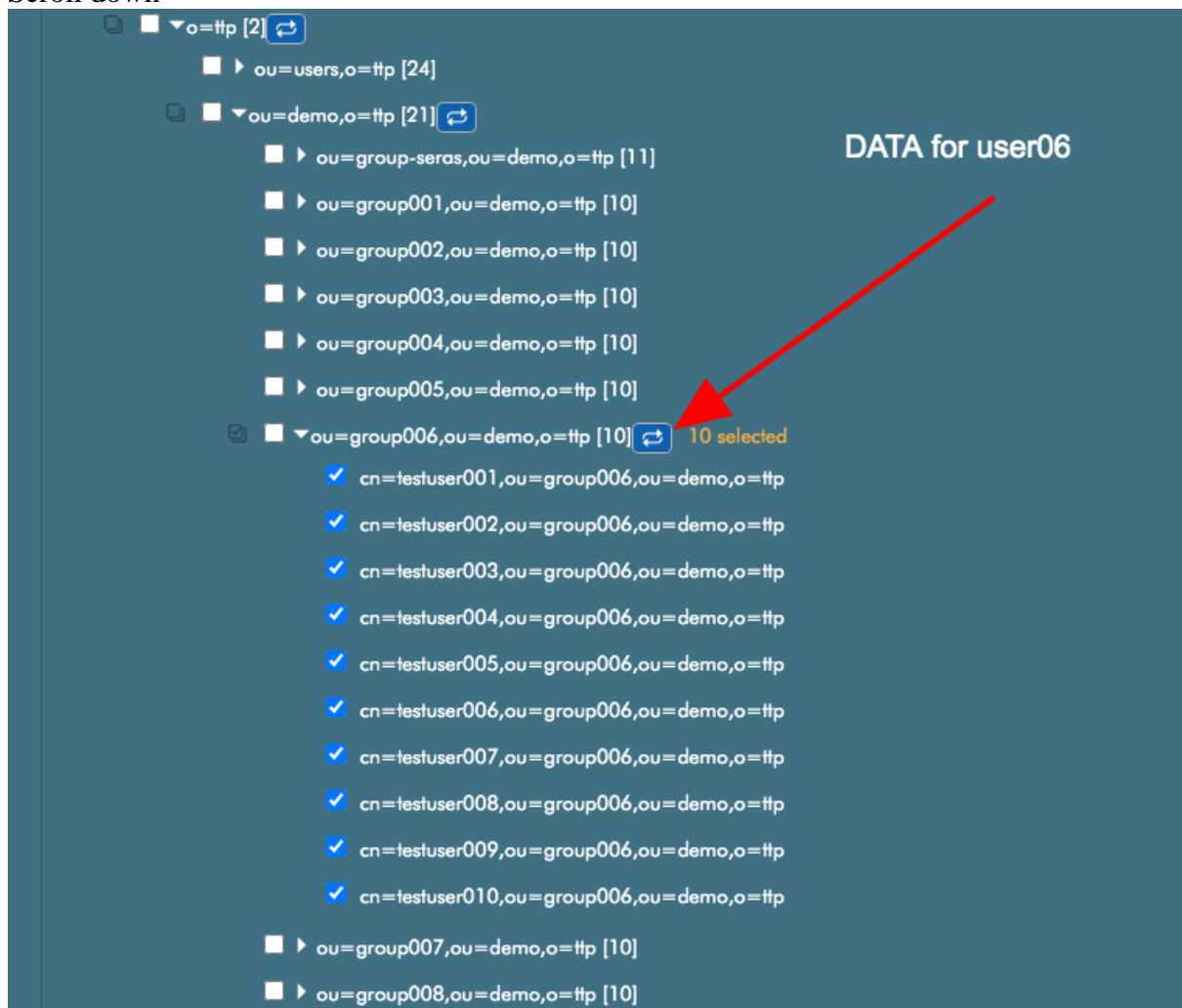
We have prepared for you presets which do modifications of objects (change domain name of email address from '@groupXXX.com to ttpgroupXXX.com', where XXX is the user id)

1) Select from Settings preset corresponding to your user ID.



2) As you can see, we also prepared some demo data for each user

Scroll down



e.g. user06 will do modifications of an object inside group006

Scroll down

Actions ⊕ Add Action

Object class: Person

Attribute: mail

Value Filter:

Operation: ☐ Add ☒ Replace ☐ Replace All ☐ Delete ☐ Reinforce

JavaScript: result=attvalues.getStringValue().replace('@group', '@ttpgroup')

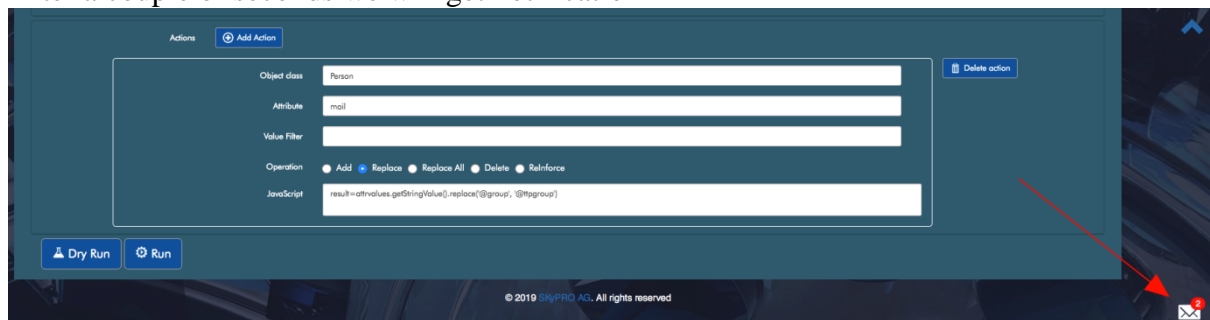
🔍 Dry Run ⚙️ Run 🗑️ Delete action

3) Here you can see modification settings. We are looking for Object class 'Person', use attribute 'mail'

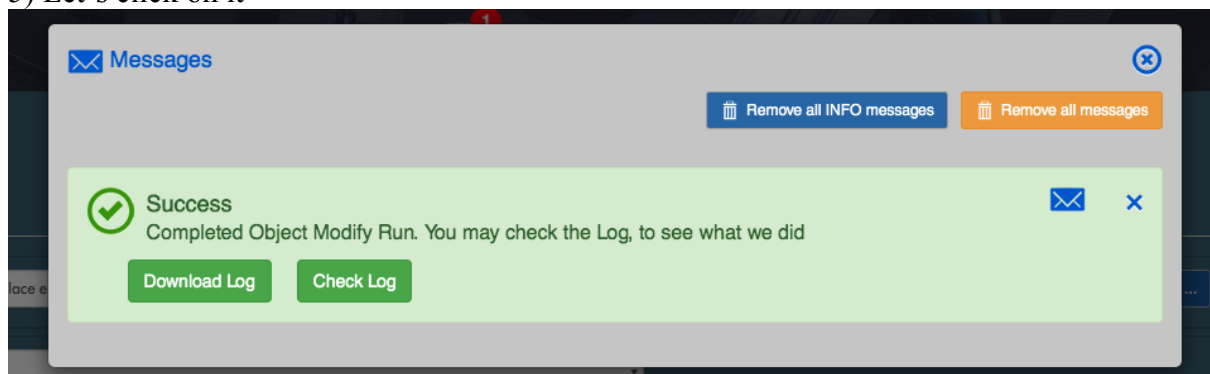
And we will replace domain '@group' with '@ttpgroup'.

4) Click on 'Run'

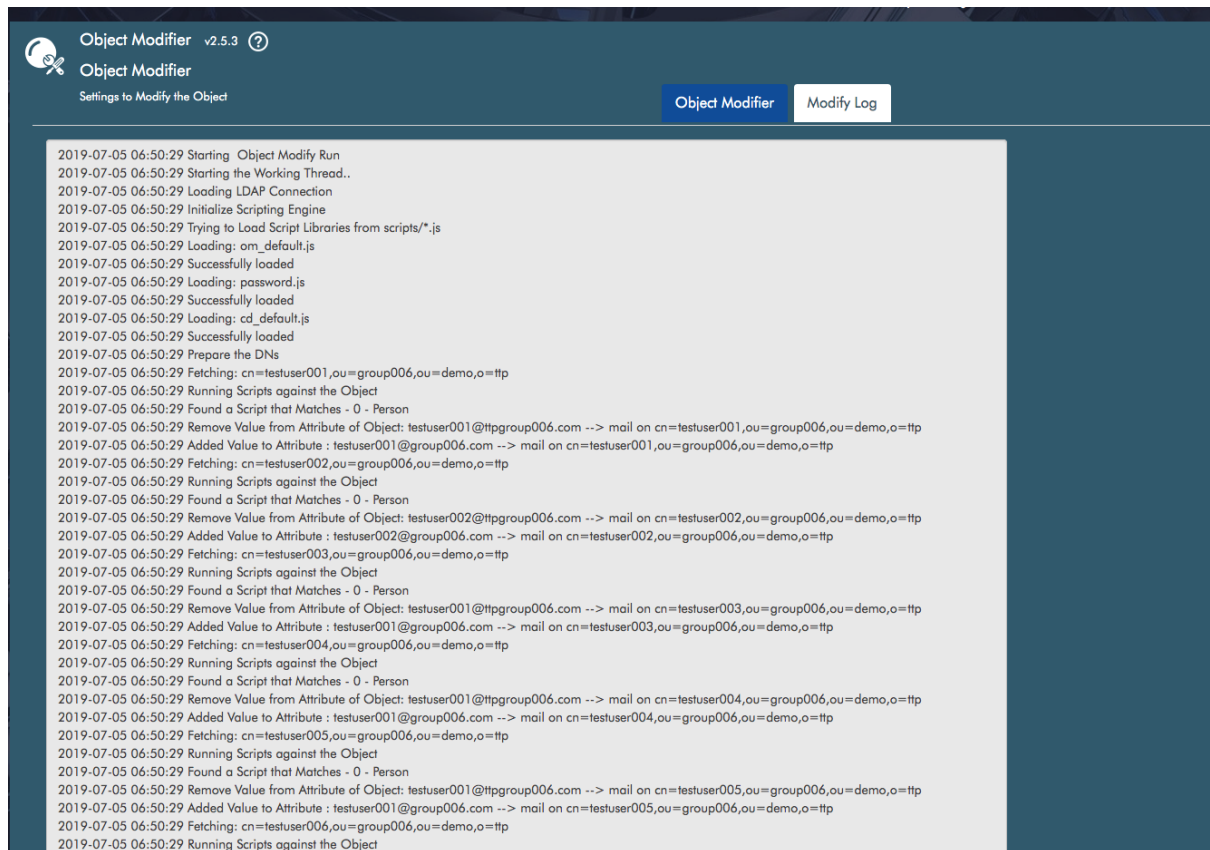
After a couple of seconds we will get notification



5) Let's click on it



6) And check the log

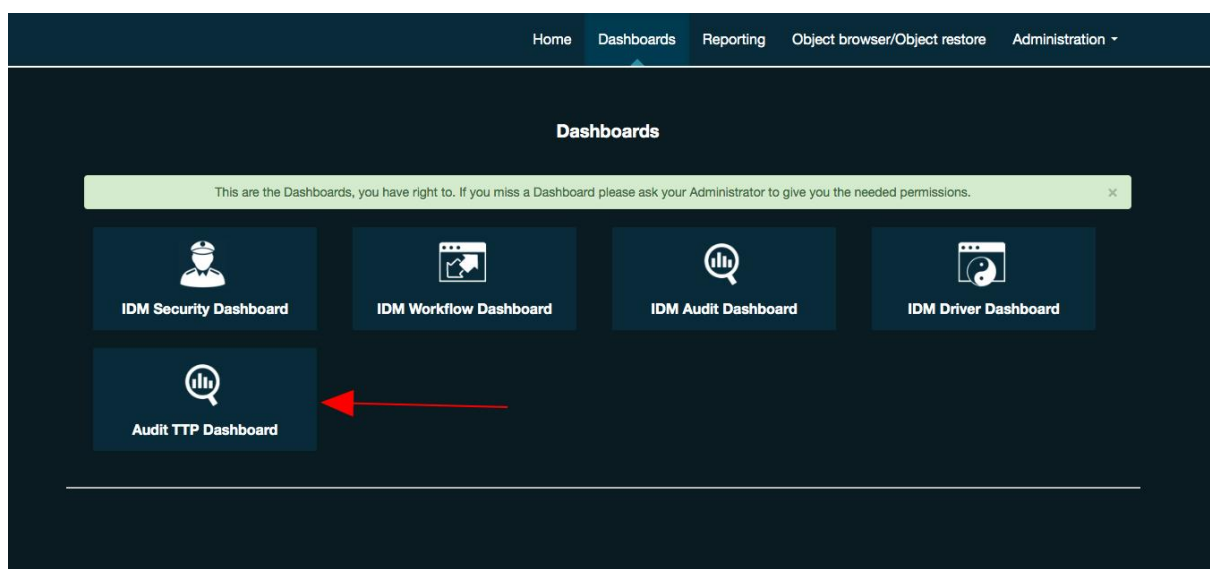


7) As we can see the data was changed.

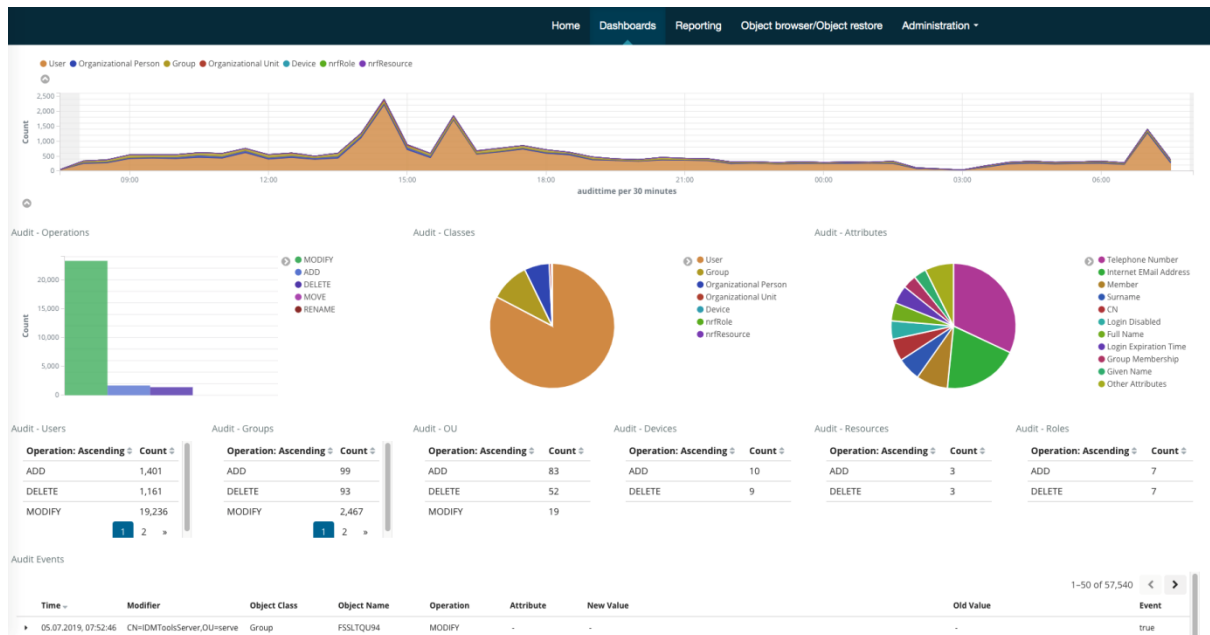
To see the whole picture let's go to the ACD <https://dev.skypro.ch/audit/>

Go to the Dashboards (use you credentials login: userXX pwd: userXX)

8) Select AuditTTP Dashboard



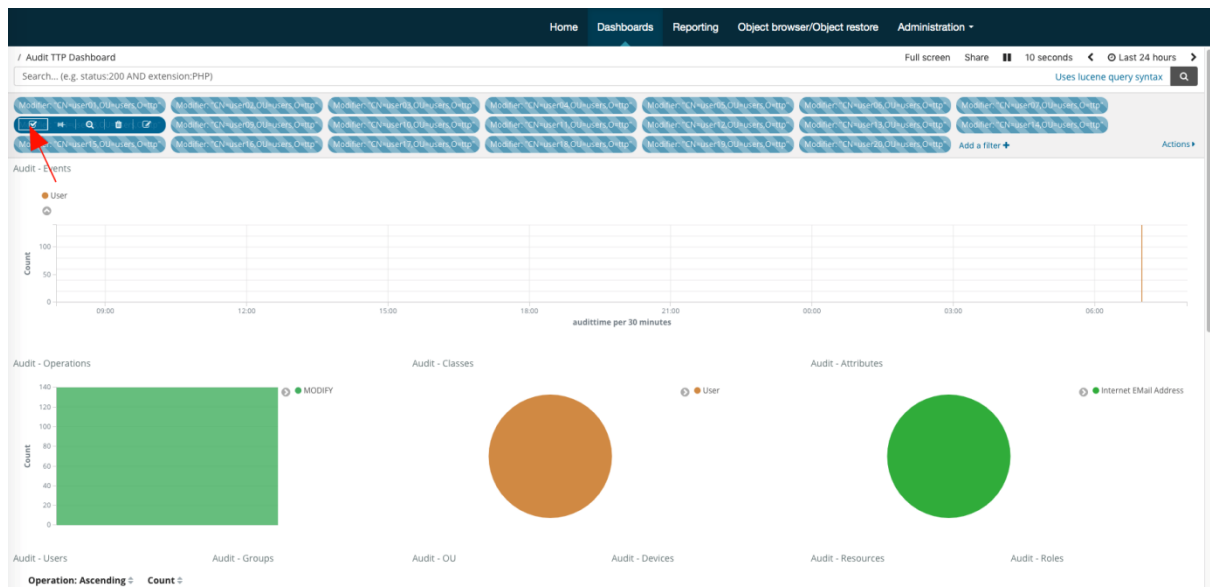
9) Here is the whole picture of what is happening in the eDirectory



There is a short overview of charts, pie, etc ... (take from PPT)

There is a lot of data in it in real-time, but how can we find our modifications?

At the top of the page we prepared filters for you



10) You can enable the filter and look at modifications that were produced from your user.

Time	Modifier	Object Class	Object Name	Operation	Attribute	New Value	Old Value	Event
05.07.2019, 07:09:27	CN=user08,OU=users,OU=itp	User	testuser004	MODIFY	Internet Email Address	-	testuser001@itpgroup009.com	false
05.07.2019, 07:09:27	CN=user08,OU=users,OU=itp	User	testuser004	MODIFY	-	-	-	true

Table

JSON

View surrounding documents

View single document

```

t Association
t Connected System
t Event
t Event Doc
  <modify cached-time="20190705040926.475Z" class-name="User" event-id="IDMToolsServer#20190705040926418:89a13b99-988a-459e-a9ad-993ba1898a90" qualified-src-dn="O=itp,OU=demo,OU=group009,CN=testuser004" src-dn="\TB
  DEMO\itp\demo\group009\testuser004" src-entry-id="2710869" timestamp="1562299766442">
    <modify-attr attr-name="Internet Email Address">
      <add-value>
        <value timestamp="1562299766442" type="string">testuser001@group009.com</value>
      </add-value>
    </modify-attr>
  </modify>
t Event Time
t Modifier
t No Event Time
t Object Class
t Object DN
t Object Name
t Operation
t Server Time
t _id
t _index
t _score
t _type
t audittime
  
```

11) Additionally, you can go to the table view and expand data to see more details that came from the eDirectory.

12) Then you can go back to TB and look at Log Analyzer, Schema documenter, Clone Directory. (PPT)

Demo log file or schema you can find at <https://dev.skypro.ch/index.html#Demo>

Choose an application from Demo

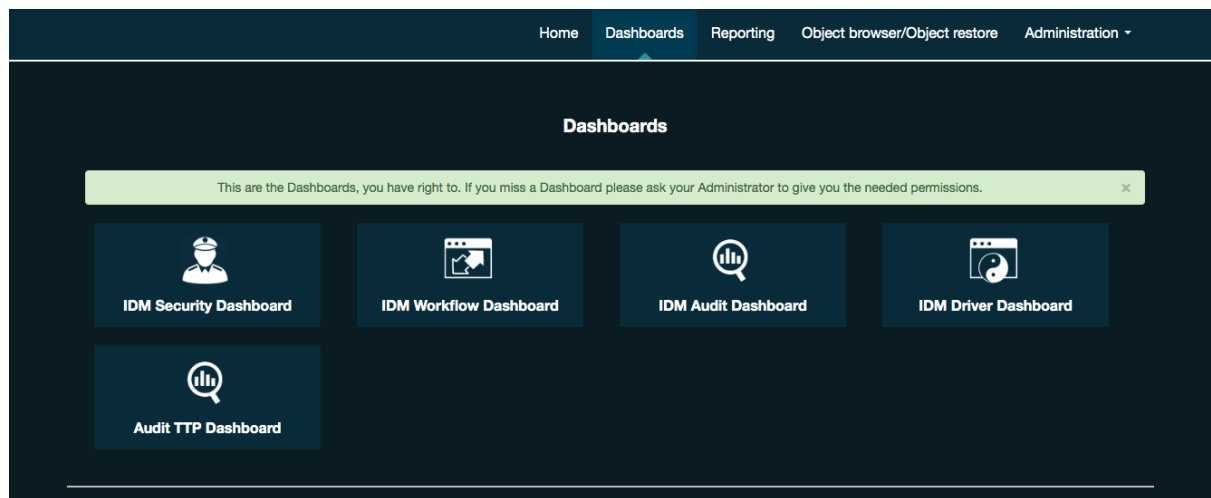
Credentials for application	Username	Password	Additional information
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[ToolBox 2.0 PPT](#)
[SERAS 1.0 PPT](#)

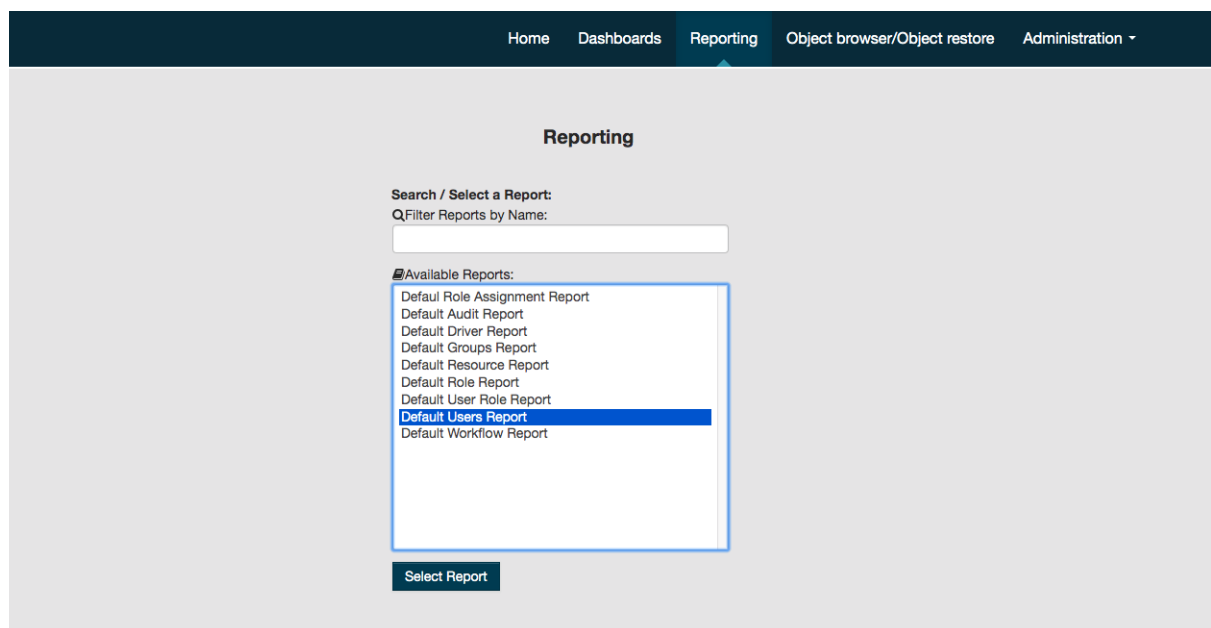
Please be aware that this is a demo installation. User *admin* has all access rights and you're able to destroy the whole environment. Therefore this demo system will be reset daily. If you want to save any of your work, you have to export and download it to your local machine.

After that we can go back to ACD and look at other Dashboards (PPT)

https://docs.google.com/presentation/d/1dAqoUSkAauimCPA9HkZq5BkOcu-plXBhcTbvKrPKKZc/edit#slide=id.g3cd480aab8_0_26



Reporting (PPT)



HomeDashboardsReportingObject browser/Object restoreAdministration

Reporting

Filters for Default Users Report at ["Default 2019.07.05"]

Container

ou=auditserver,o=system

ou=cachusers,o=demo

ou=users,o=system

IMPRBTG58

IMPSTYJ27

IMPTIDV24

IMPUAQH92

IMPUTZK80

IMPVUOH39

IMPXUHV11

IMPYQHN95

IMQAHBO1

IMQJEVF8

Aarika

Abagael

Abagail

Abba

Abbe

Abbey

Abbi

Abbie

Abbott

Abbot

Abbott

Aagesdatter

Aagesen

Aalatt

Aall

Aaraas

Aarvig

Aasen

Abbott

Abby

Abdul

3M Company

ACE Limited

ADT Corp

AES Corp

AFLAC Inc

AGL Resources Inc.

AT&T Inc

AbbVie

Abbott Laboratories

Accenture plc

["Abagail", "Abba", "Abbe", "Abbey", "Abbi"]

Run Report

HomeDashboardsReportingObject browser/Object restoreAdministration

Reporting

Default Users Report at ["Default 2019.07.05"]

Schedule

Used Filters:
Only Users (If no other selection) - inetOrgPerson;
Container - none
CN - none
Firstname - Abagail; Abba; Abbe; Abbey; Abbi;
Lastname - none
Department - none
Entries: 1 to 20 of 157.

Export PDFExport CSVExport XLSExport XLSXsend By Email

ID	Lastname	Firstname	Jobtitle	Organization	Location	Phone	Email	Groups	Locked
ABDPNJC56	Mosher	Abbe		Parker-Hannifin		783 5868	abbe.mosher@parkerhannifin.com.demo	[+] Count:5	
AHGKMGV44	Praa	Abbe		Loews Corp.		101 1314	abbe.praa@loewscorp.com.demo	[+] Count:13	
ATTMRFC27	Davison	Abbe		Delphi Automotive		371 6107	abbe.davison@delphiautomotive.com.demo	[+] Count:17	
AVQRABL58	Van Breestede	Abbe		Discovery Communications-A		822 2621	abbe.vanbreestede@discoverycommunicationsa.com.demo	[+] Count:14	
AWVMIOW58	Burchill	Abba		Twenty-First Century Fox Class B		003 8878	abba.burchill@twentyfirstcenturyfoxclassb.com.demo	[+] Count:4	
BBJTRLQ19	Blarer Von Wartensee	Abbey		Dollar Tree		553 6807	abbey.blarervonwartensee@dollartree.com.demo	[+] Count:6	
BHTKHMB79	Eison	Abbe		Charles Schwab Corporation		544 7868	abbe.eison@charlesschwabcorporation.com.demo	[+] Count:16	
BJHKENU90	Kool	Abbe		Equity Residential		654 7164	abbe.kool@equityresidential.com.demo	[+] Count:17	
BLDZAD13	Brinch	Abba		Public Storage		774 1608	abba.brinch@publicstorage.com.demo	[+] Count:17	

Object browse and compare

← → https://dev.skypro.ch/audit/browser/ ☆ 📄 📧 📅 📁 📂 📃 📄 📅 📆 📇 📈 📉 📊 📋 📌 📍 📎 📏 📐 📑 📒 📓 📔 📕 📖 📗 📘 📙 📚 📛 📜 📝 📞 📟 📠 📡 📢 📣 📤 📥 📦 📧 📨 📩 📪 📫 📬 📭 📮 📯 📰 📱 📲 📳 📴 📵 📶 📷 📸 📹 📺 📻 📼 📽 📾 📿 📠 📡 📢 📣 📤 📥 📦 📧 📨 📩 📪 📫 📬 📭 📮 📯 📰 📱 📲 📳 📴 📵 📶 📷 📸 📹 📺 📻 📼 📽 📾 📿

Home Dashboards Reporting Object browser/Object restore Administration

Object Browser

Object View Mode Object Compare Mode

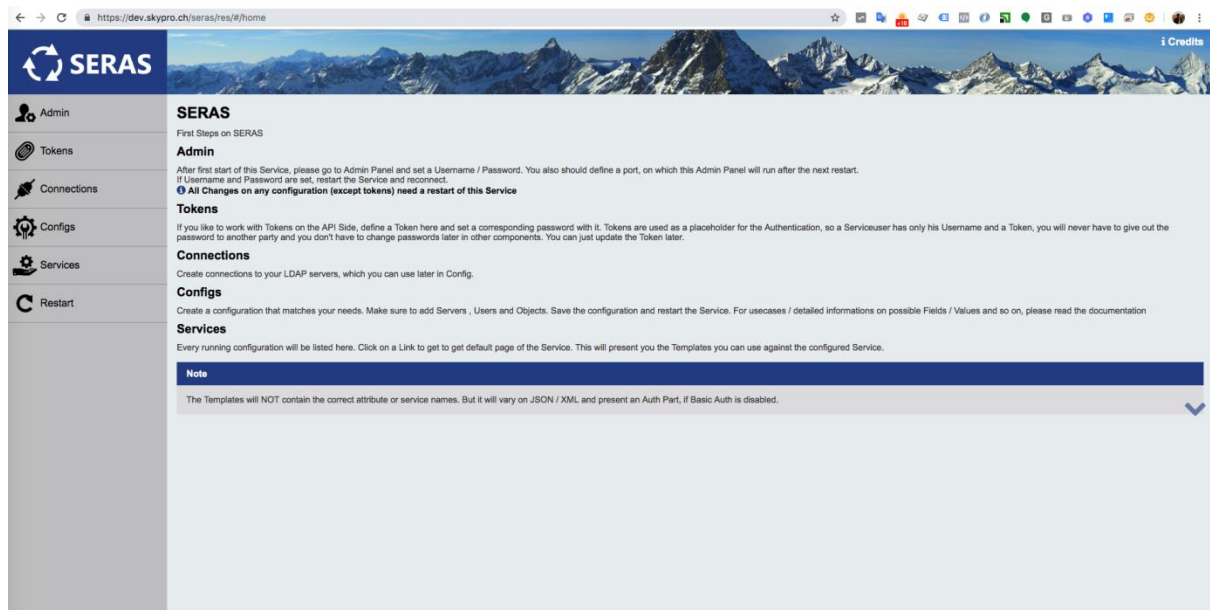
Search / Select an Report Index:
Filter Report Indexes: Available Report Indexes:
default 2019.07.05
default 2019.07.04
default 2019.07.03
default 2019.07.02
default 2019.07.01

Selected Object / Container:
Top o=ftp ou=demo ou=group001

Objects in this Container:
Q Pages (1-10 / 10)
cn=testuser001,ou=group001,ou=demo,o=ftp
cn=testuser002,ou=group001,ou=demo,o=ftp
cn=testuser003,ou=group001,ou=demo,o=ftp
cn=testuser004,ou=group001,ou=demo,o=ftp
cn=testuser005,ou=group001,ou=demo,o=ftp
cn=testuser006,ou=group001,ou=demo,o=ftp
cn=testuser007,ou=group001,ou=demo,o=ftp
cn=testuser008,ou=group001,ou=demo,o=ftp
cn=testuser009,ou=group001,ou=demo,o=ftp
cn=testuser010,ou=group001,ou=demo,o=ftp

Data of Selected Object / get LDF Data (toggle)
ACL:
Zkentry#ou=group001,ou=demo,o=ftp#loginScript
Zkentry#ou=group001,ou=demo,o=ftp#printJobConfiguration
DirXML-ADContext:
ou=group001,ou=testusers,DC=ad1,demoIdm,DC=local
DirXML-Associations:
cn=AD_Driver_ad1,demoIdm_ver2,cn=demoDS,o=system#14d259d5b75eaa0c47a20f6356aee7d7aa
dn:
ou=group001,ou=demo,o=ftp

SERAS



SERAS allows you to create REST API easily for preceding your Directory through LDAP. Flexible settings, permissions, and restrictions (PPT <https://docs.google.com/presentation/d/1qhSGTJYBobCEnUXf-LO7k51mdfHA-TZJVM6ikXdc76l/edit#slide=id.p>)

We also prepared a small single-page HTML application for you <https://dev.skypro.ch/serasapp/>

Where you can easy browse, modify and create objects in the eDirectory. Right now it is limited to work with container ou=group-seras,ou=demo,o=ttp





















SERAS Demo dashboard

Search Query

*

Search

Go to registration page

cn	description	givenname	mail	sn	
testuser010	009	test 009	testuser010@groupseras.com	testuser010	 
testuser009	009	test 009	testuser009@groupseras.com	testuser009	 
testuser008	008	test 008	testuser008@groupseras.com	testuser008	 
testuser007	007	test 007	testuser007@groupseras.com	testuser007	 
testuser006	006	test 006	testuser006@groupseras.com	testuser006	 
testuser005	005	test 005	testuser005@groupseras.com	testuser005	 
testuser004	004	test 004	testuser004@groupseras.com	testuser004	 
testuser003	003	test 003	testuser003@groupseras.com	testuser003	 
testuser002	002	test 002	testuser002@groupseras.com	testuser002	 
testuser001	001	test 001	testuser001@groupseras.com	testuser001	 

Request:

```
{  "Request": {    "Search": {      "SearchAttribute": "CN",      "SearchValue": "a",      "Scope": "c",      "SizeLimit": 100,      "Service": "user",      "ReadAttribute": [        "description",        "cn",        "givenName",        "sn",        "mail"      ]    },    "Auth": {      "Token": "a711667f089fb3c36cf0",      "Username": "cn=ttadmin,ou=users,o=ttp"    }  }  }
```

Response:

```
{  "Output": {    "Data": {      "Object": {        "dn": "cn=testuser010,ou=group-seras,ou=demo,o=ttp",        "Content": {          "mail": [            "testuser010@groupseras.com"          ],          "givenname": [            "test 009"          ],          "description": [            "009"          ],          "sn": [            "testuser010"          ],          "cn": [            "testuser010"          ]        }      }    }  }
```

When you work with data you can see how easy it is to proceed. Here you can see the JSON object that was sent to SERAS and the response.

You can play around and create your own object with this App, we will use it later...

SERAS Demo dashboard

Registration

Name

user2clone

Last name

some simple user

Login

user2clone

Email

user@clone.skypro.ch

Description

just a demo

Register

Go to users page

User added

Request:

```
{
  "Request": {
    "Create": {
      "Service": "User",
      "Add": [
        {
          "givenName": {
            "value": "user2clone"
          },
          "SN": {
            "value": "some simple user"
          },
          "cn": {
            "value": "user2clone"
          },
          "mail": {
            "value": "user@clone.skypro.ch"
          },
          "description": {
            "value": "just a demo"
          }
        }
      ]
    }
  }
}
```

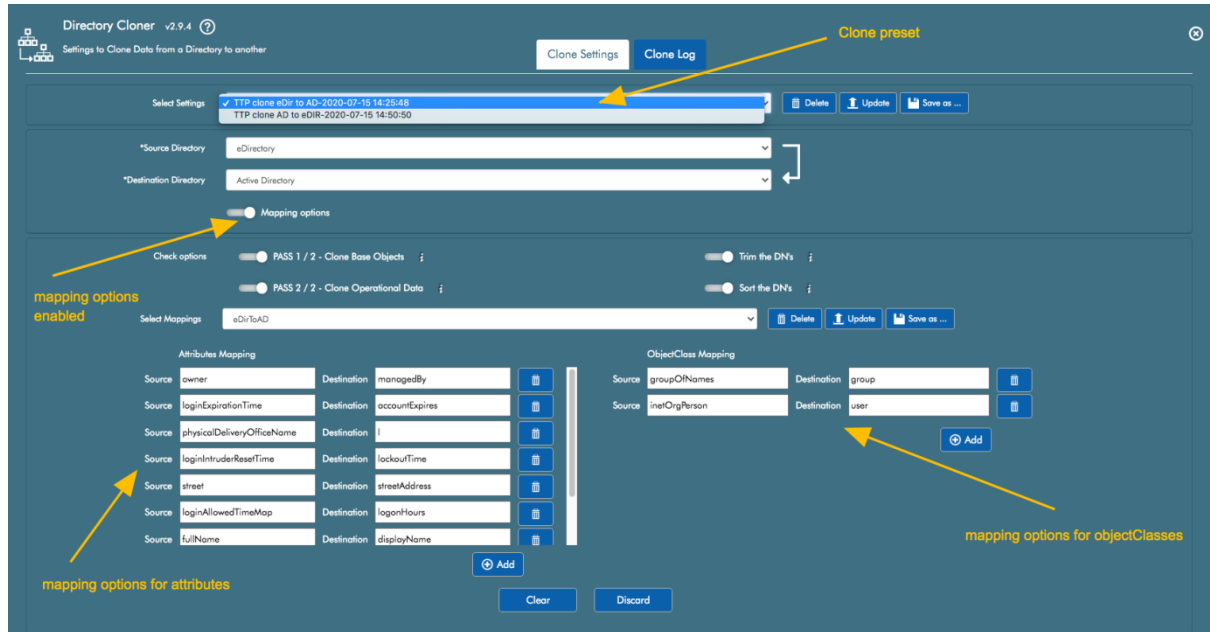
Response:

```
{
  "Output": {
    "Data": null,
    "Status": {
      "StatusCode": 200,
      "StatusMessage": "OK",
      "Errors": null
    },
    "PagedCookie": null
  }
}
```

Also, you can see that all changes in the eDirectory are monitored in the Audit Dashboard

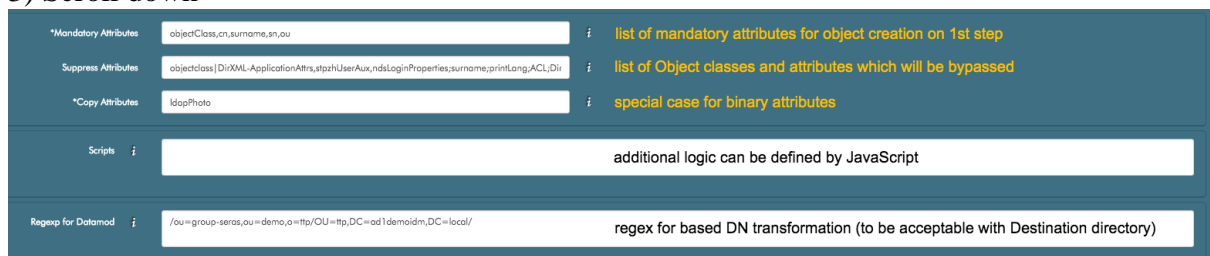
Do you want to see magic?
How about clone objects from eDirectory to Active Directory or vice versa?
(Both directories have different attributes and ObjectClasses)

1) Go to ToolBox Directory Cloner and select predefined template “TTP clone eDir to AD”



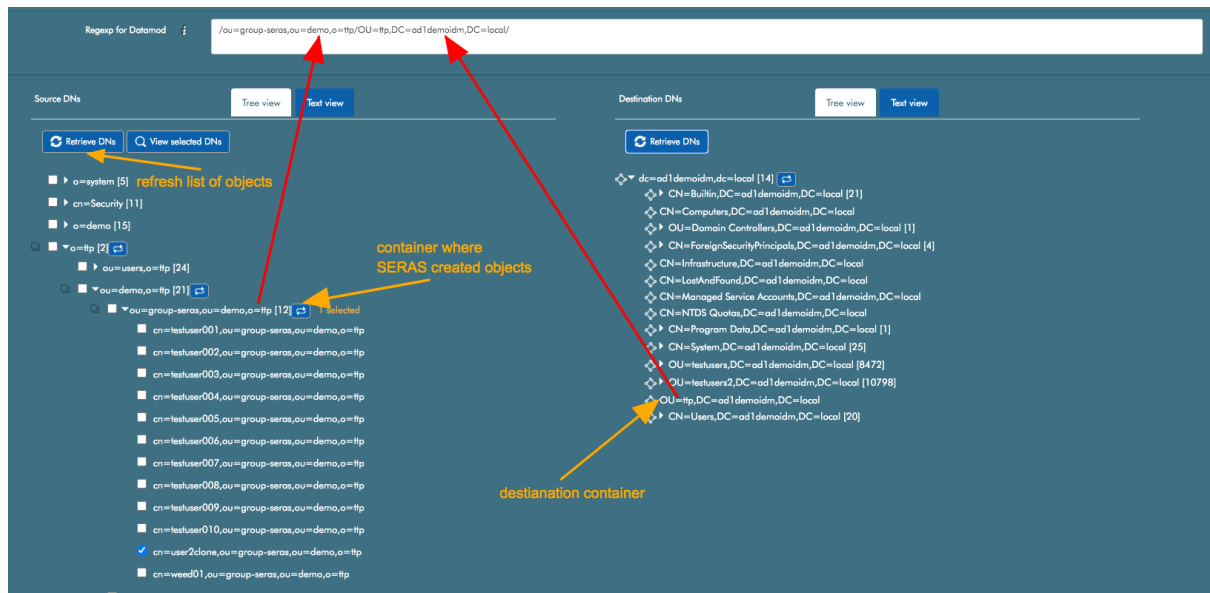
2) As you can see, we already predefined mapping rules for successful attributes and objectClasses transformation

3) Scroll down



Here you can see predefined settings for Mandatory, Suppressed and Binary attributes.

4) Scroll Down and press Retrieve DNs if needed

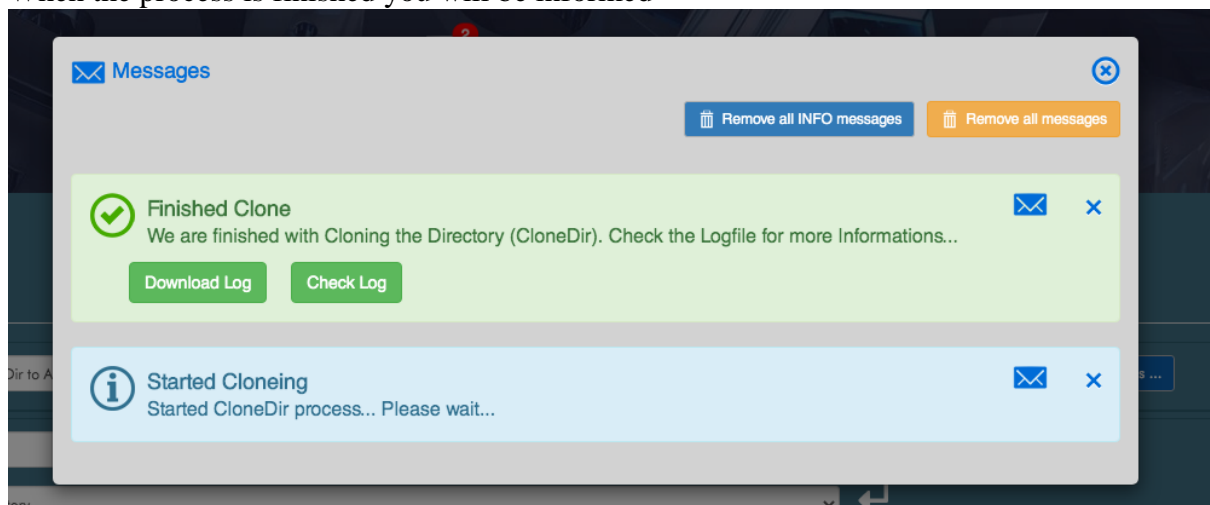


5) Go to the DN `ou=group-seras,ou=demo,o=ttp` and select the object that you created with SERAS App

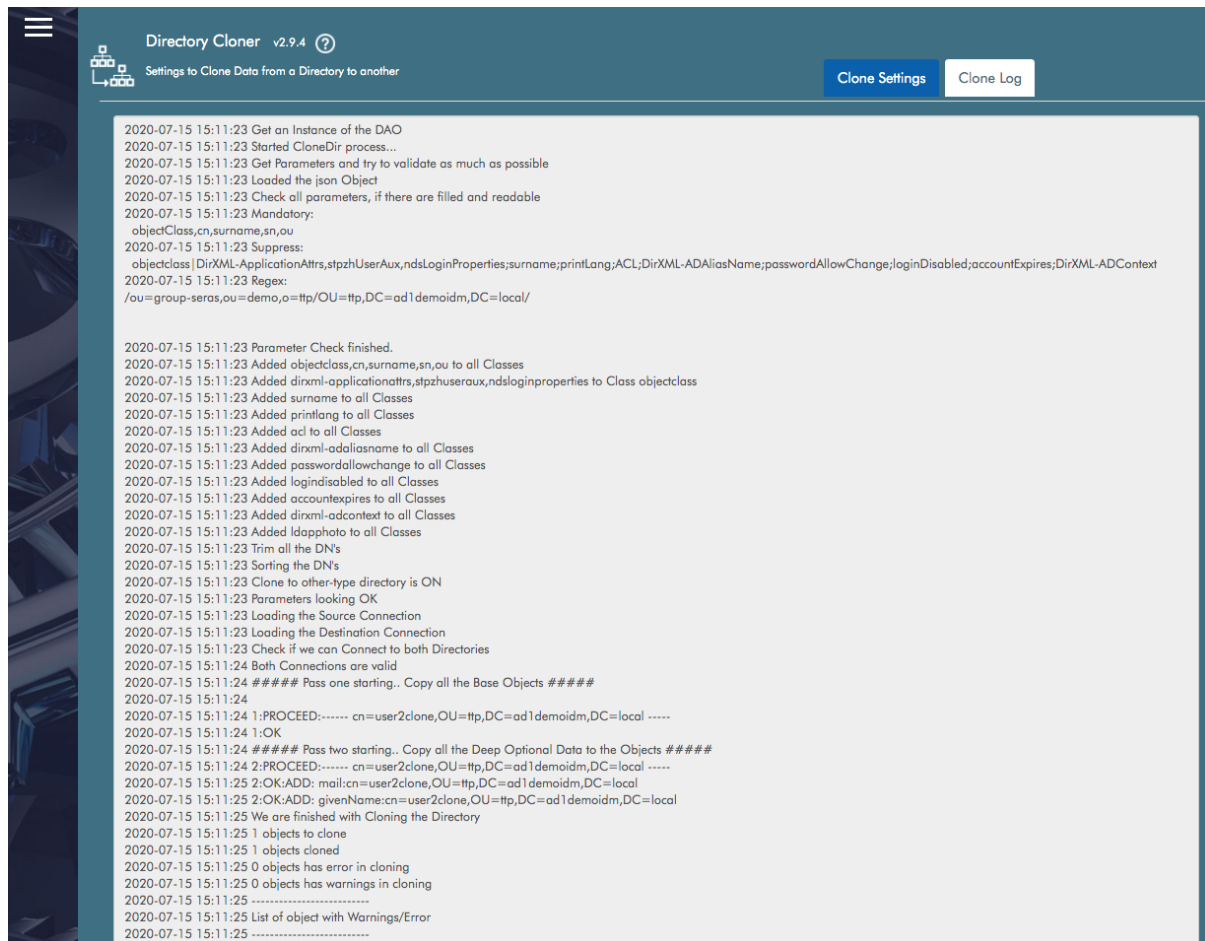
We already predefined base DN transformation for you.

6) Click Run and look at the notifications

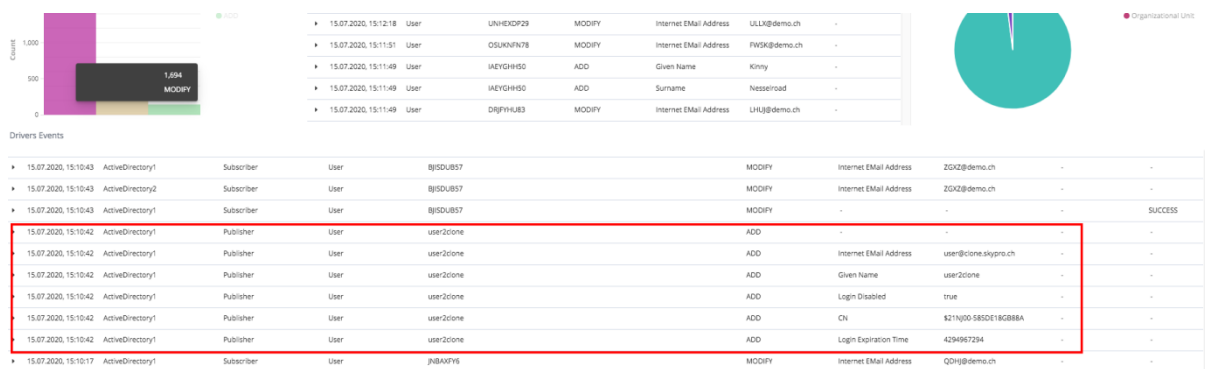
When the process is finished you will be informed



7) You can check the log of the process



and also check process in the Audit Driver Dashboard



What will be added to the next release of ToolBox CloneDirectory?

- Schema compare (visualized tool for compare different Directory schemas)
- Mapping helper (shows you full details for source and destination attribute)
- Attribute data transformation on cloning (allows to transform data format for corresponding destination schema)
- Autocomplete for easy mapping definition
- Easy Mandatory attributes definer (hint you to prevent mistakes)
- Missed Classes or Attributes

Do you want to get a free Demo installation of our products?
Contact us:



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