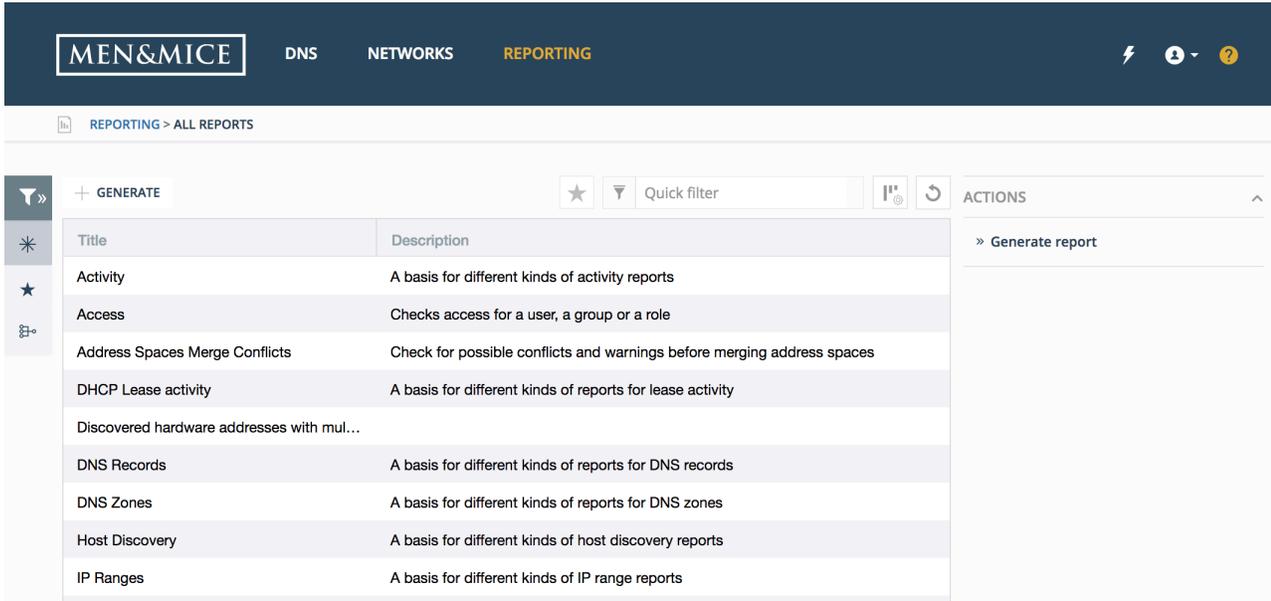


# Reports management

When the reporting section is opened the user is presented with a list of report definitions. As with in other sections the list can be filtered and searched.



The screenshot shows the MEN&MICE Reporting interface. The top navigation bar includes the logo and tabs for DNS, NETWORKS, and REPORTING. The main content area displays a list of report definitions with columns for Title and Description. A 'GENERATE' button is visible at the top left, and an 'ACTIONS' panel on the right contains a 'Generate report' button.

Title	Description
Activity	A basis for different kinds of activity reports
Access	Checks access for a user, a group or a role
Address Spaces Merge Conflicts	Check for possible conflicts and warnings before merging address spaces
DHCP Lease activity	A basis for different kinds of reports for lease activity
Discovered hardware addresses with mul...	
DNS Records	A basis for different kinds of reports for DNS records
DNS Zones	A basis for different kinds of reports for DNS zones
Host Discovery	A basis for different kinds of host discovery reports
IP Ranges	A basis for different kinds of IP range reports

## Generate Report

By double clicking on one of the report definitions in the list or by clicking the *Generate* button (or *Generate report* in the task list in the inspector bar) the user can open a wizard for an existing report definition.

In the wizard the user can change the report's source, edit its filter, select columns to include in the output and then run the report. After running the report the user is presented with a preview of the results and has the option of saving a copy of the report in a number of different formats.

### Step 1: Select Source

Select one of the existing report definitions to generate a report from or use as a basis for your new report definition.

## GENERATE REPORT

### SELECT SOURCE

Select a datasource or an existing report to use as a base.

Activity

Access

Address Spaces Merge Conflicts

DHCP Lease activity

Discovered hardware addresses with multiple IP addresses

DNS Records

DNS Zones

Host Discovery

IP Ranges

Lease hardware address with multiple IP addresses

CANCEL

NEXT

If the user double clicked one of the rows in the report definition list this step in the wizard is skipped.

### Step 2: Edit filter

In the second step the user has the option of editing the filter. She might want to make some adjustments of the fields in the filter of the selected report definition, for example extending a time span or selecting a different username. But there also nothing stopping her from changing the filter completely and defining her own report.

## GENERATE REPORT

### IP RECONCILIATION REPORT

Find hosts with data that have not been seen for a whole month

And ▾

Last seen ▾	< ▾	-1M	✘
Lost ▾	is ▾	True ▾	✘

Or ▾ ✘

Claimed ▾	is ▾	True ▾	✘
Usage ▾	is ▾	True ▾	✘

+ RULE + (...)

+ RULE + (...)

? To vary the time simply change the filtering. You can also limit the report to a subnet

Note: this report is based upon the 'Host Discovery' report source.

CANCEL

BACK

NEXT

### Conditions and parenthesis:

"And" means that all the conditions have to be met while "Or" means that sufficient is that any of the conditions is met.

It is possible to add parenthesis to create subconditions with a different operator. The report definition shown in the screenshot here above can be read as follows: "*Last seen* must be less than one month ago, *lost* must be true and either *claimed* or *usage* must be true". I.e. show me hosts that have not answered during discovery in the last month that are either claimed or in us.

### Comparison operator:

Depending on the type of field the user is presented with different comparison operators.

String	Number, Timespan, Date	Boolean, Pick-list, Object
equals	=	is
doesn't equal	!=	is not
contains	<	
doesn't contain	>	
starts with	<=	
doesn't start with	>=	
ends with		
doesn't end with		
matches regex		
doesn't match regex		

### Step 3: Select columns

Then the user can select which columns to include in the output.

## GENERATE REPORT

### COLUMNS IN OUTPUT

Select the columns to include in the output.

Columns - Deselect all

- Zone name
- Zone full name
- Zone type
- View name
- Enabled

All available columns are selected by default.

## Step 4: Run report

## GENERATE REPORT

### RESULTS

Now we can generate the report and preview the results.

**Press the Finish button to generate the report.**

Press the Finish button to run the report and get the results.

## Preview result and download

If the report definition provided gives results the user is presented with a preview (at maximum the first hundred records).

## REPORT

#	Zone name	Zone type	View name	Enabled	Dynamic	AD integrated
1	localhost.	Master		1	0	0
2	localhost.localdomain.	Master		1	0	0
3	localhost.	Master		1	0	0
4	CHILD.BS.MENANDMICE.	Master		1	1	1
5	_msdcs.BS.MENANDMICE.	Master		1	1	1
6	dynview.	Master	external	1	1	0
7	localhost.	Master	external	1	0	0
8	marbakki.net.	Slave	external	1	0	0
9	mrdynamo.	Slave	external	1	0	0
10	mzone.	Slave	external	1	0	0

CANCEL

DOWNLOAD

The results can then be downloaded by pressing the download button. The dropdown offers a number of file formats to select from.

DOWNLOAD

XML

CSV

JSON

SYLK

Symlk and CSV are handy for importing the data into a spreadsheet application for further processing.

## Report sources

As is there are 24 report definitions in the list under Reporting. Twelve of those are what might be called base report sources, either sources that allow the user to query one particular object type in the system (e.g. *Activity*) or more sources that give access to a particular data relation in the system (e.g. *Host discovery*). The other twelve report definition are derivatives of the base report sources showing the specification possibilities they offer, *Zone creation/deletion* building upon *Activity* and *IP reconciliation* building upon *Host discovery*.

Base

Derivatives

Activity  Access* Address space merge conflicts* DHCP lease activity Discovered hardware addresses with multiple addresses* DNS records  DNS zones Host discovery*  IP ranges Lease hardware address with multiple IP addresses* Men & Mice suite messages SOA Records	Administrator login New users added Range creation/deletion Zone creation/deletion  Address records Multi-labeled hosts Enabled DNS zones of type slave IP reconciliation Discovered devices  SOA records with abnormal minimum TTL value SOA records with abnormal refresh value
--	---

\* Specialized report source.

## Filter field types

String, number	Date and time	Timespan	Object, boolean, options
Free text input.	Date time string or current time delta shorthand units, e.g. -2w, +1d.	Timespan shorthand units, e.g. 24h, 2d, 30m	A dropdown is presented with the available options.

### Timespan formats:

<num><time unit>

<time unit> ::= s (seconds), m (minutes), h (hours), d (days), w (weeks), M (months), y (years)

### Date time formats:

General date time format consist of date and/or time (separated by a space).

```
<datetime> ::= <date> <time>
<time> ::= HH:MM[:SS[:TTT]][ AM|PM]
<date> ::= [yy]yy-mm-dd
| dd.mm.yy[yy]
| mm/dd/yy[yy]
```

Timestamps formatted according to [RFC3339](#).

```
YYYY-MM-DDTHH:MM:SS[time-secfrac][time-offset]
```

Current time deltas, i.e. a date time relative from now, can also be used.

```
-|+ <num><time unit>
<time unit> ::= s (seconds), m (minutes), h (hours), d (days), w (weeks), M (months), y (years)
```

To include more than one value for a particular field the field has to be added again to the filter with a Or condition. The Address records is an example of that, where the record type field has to be either A or AAAA.

## GENERATE REPORT

### ADDRESS RECORDS

Return all A/AAAA records

Or ▾

Type ▾	is ▾	A ▾	✖
Type ▾	is ▾	AAAA ▾	✖
+ RULE		+ (...)	

🔗 You can easily select different types of records or specify more detailed filtering

*Note: this report is based upon the 'DNS Records' report source.*

CANCEL

NEXT