



PERMISSION REPORTER® v4.1

Report Descriptions

NETsec

13. August 2018

1	Introduction	3
2	Reports.....	3
2.1	CSV Reports	3
2.2	PDF Reports.....	3
3	Provided Report Types.....	4
3.1	Overview (PDF only)	4
3.2	Effective Permissions (CSV, PDF)	5
3.3	Permissions for Tree (CSV)	6
3.4	Permissions for Principal (CSV, PDF)	7
3.5	DACL Differences (CSV, PDF)	9
3.5.1	Kinds of disparity.....	10
3.6	Permissions Details Report (PDF).....	12
3.7	Full Memberlist Report (PDF).....	13
4	Export Report Options	14
4.1	Show Only First Occurrences.....	14
4.2	Filter Principals.....	15
4.3	Show Special Permissions	16
4.4	Resolve Files	17
4.5	Include Changes Due To Inheritance	18
4.6	Limit Subfolder Depth To	18
4.7	Use Custom Separator (CSV only)	19
4.8	Show same path each row	19
4.9	Position of ACE changed right-sided	20
4.10	List resolved groups (PDF only).....	20
5	Explanation of Terms.....	21
5.1	DACL (Discretionary Access Control List)	21
5.2	ACE (Access Control Entry)	21

1 Introduction

In this document you will find a brief description of the reports you can create using NETsec Permission Reporter.

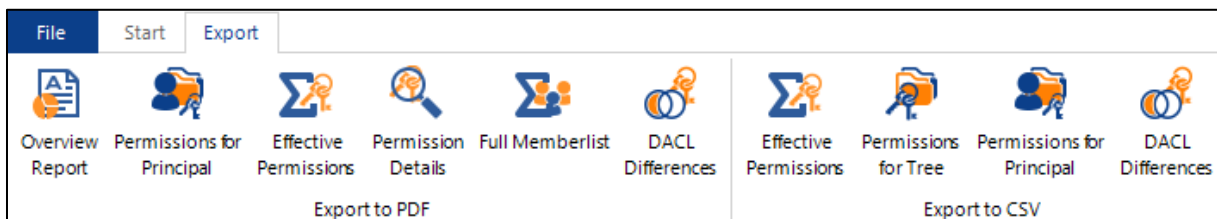
2 Reports

Permission Reporter provides reports to facilitate the communication of permissions granted for security principals¹ on analyzed securable objects² (e.g. files, folders, shares).

A report always refers to gathered data of an analysis, which has already been successfully finished. Building a report using "live-data" from the file system or an analysis which is in any state but "done" is not possible.

Permission Reporter also supports your colleagues, who are working in non-technological departments, understanding the result of its analyses by visually-compelling reports.

This is why Permission Reporter offers two file formats for exporting reports.



All Report Types

2.1 CSV Reports

CSV Reports offer extensive collections of permissions. Since spreadsheet like Microsoft Excel are capable of interpreting files containing CSV data, we recommend using these reports for further processing.

2.2 PDF Reports

PDF Reports are visually more appealing than CSV Reports. Therefore PDF Reports may be more suitable for colleagues in non-technological positions by facilitating the comprehensibility of permissions on securable objects.

On the other hand PDF Reports are not suitable for processing exported data afterwards and result in large file sizes due to images.

¹ [https://technet.microsoft.com/en-us/library/cc780957\(v=ws.10\).aspx](https://technet.microsoft.com/en-us/library/cc780957(v=ws.10).aspx)

² [https://msdn.microsoft.com/en-us/library/windows/desktop/aa379557\(v=vs.85\).aspx](https://msdn.microsoft.com/en-us/library/windows/desktop/aa379557(v=vs.85).aspx)

3 Provided Report Types

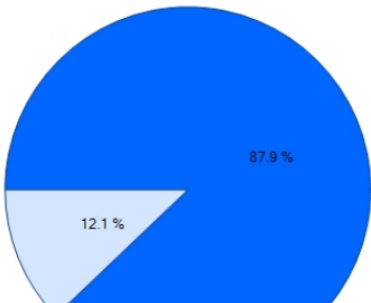
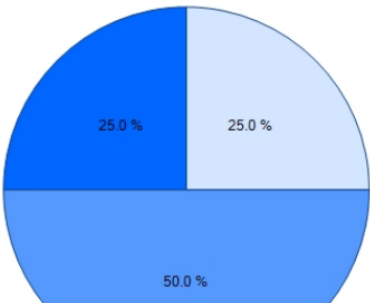
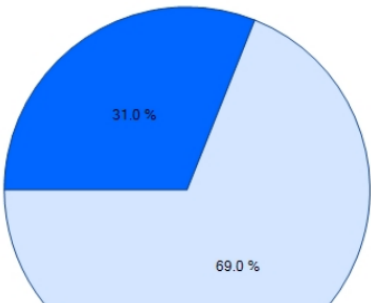
3.1 Overview (PDF only)

This report contains general statistical data of an analysis. This report can be send as a status information for administrators.

Report state	Done
Is started by scheduler	False
Error count	0
Warning count	3
Start time	7/30/2018 1:51:36 AM
Stop time	7/30/2018 1:51:40 AM
Duration	00:00:04.3230000

Analysed Shares info						
RemotePath	LocalPath	GB available	GB total	% Used	ShareType	
\\compafs01.companya.local\ADMIN\$	C:\Windows	30.37	42.58	28.68	STYPE_SPECIAL_DISKTREE	
\\compafs01.companya.local\Apprentices	C:\CompanyA\Apprentices	30.37	42.58	28.68	STYPE_DISKTREE	
\\compafs01.companya.local\ICS	C:\	30.37	42.58	28.68	STYPE_SPECIAL_DISKTREE	
\\compafs01.companya.local\CompanyA	C:\CompanyA	30.37	42.58	28.68	STYPE_DISKTREE	
\\compafs01.companya.local\IPC\$		0	0	NaN	STYPE_SPECIAL_IPC	
\\compafs01.companya.local\Sales	C:\Sales	30.37	42.58	28.68	STYPE_DISKTREE	
\\compafs01.companya.local\SharesForPermissionReporter	C:\SharesForPermissionReporter	30.37	42.58	28.68	STYPE_DISKTREE	

Security Principal	
Statistics	
Name	Value
Registered principals	33
Local objects	4
Local users	1
Local groups	1
Local runtime groups	2
AD objects	29
AD users	9
AD groups	20
AD computers	0
Registered group memberships	33

Object sources	Local object types	AD object types
		

3.2 Effective Permissions (CSV, PDF)


By creating this report, an analyzed DACL (Discretionary Access Control List, see chapter 5.1 DACL) of a securable object gets processed.









All security principals which are addressed by being named in (at least) one ACE (Access Control Entry, see chapter 5.2 ACE) or by being a (nested) member in any security group named in the DACL will be resolved.








These security principals will be listed with their effective permission on the securable object.






Effective Permissions Report

Resolved permissions report of Analysis (created: 7/30/2018 1:51:36 AM) by Test FS01 (Analysis Definition) (Profile: Test FS01)

Root file system object selected for this report
 \\compafs01.companya.local\C\$\CompanyA

Principal	Full control	Modify	Read & execute	List folder / Read data	Read	Write	Special Permissions
 BUILTIN\Administrators	✓	✓	✓	✓	✓	✓	
 COMPAFS01\Administrator	✓	✓	✓	✓	✓	✓	
 COMPANYA\Administrator	✓	✓	✓	✓	✓	✓	
 COMPANYA\aglidt	✓	✓	✓	✓	✓	✓	
 COMPANYA\Domain Admins	✓	✓	✓	✓	✓	✓	
 COMPANYA\prservice	✓	✓	✓	✓	✓	✓	
 COMPANYA\spauka	✓	✓	✓	✓	✓	✓	
 NT AUTHORITY\SYSTEM	✓	✓	✓	✓	✓	✓	

Types of principals
 User in Active Directory,  Group in Active Directory,  Computer in Active Directory,  User of local machine,  Group of local machine,  Runtime group,
 Unkown principal type.

Types of principals
 Error object,  Unknown object,  File,  Share,  Folder

Your Company Name
Permission Reporter 4.0.6785.17741

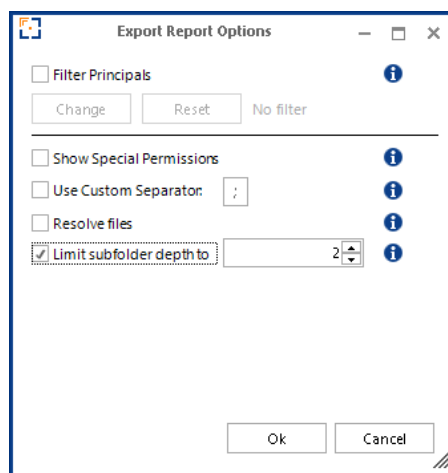
Page created: 8/13/2018 12:25:29 AM
(by: COMPANYA\PRService)

3.3 Permissions for Tree (CSV)

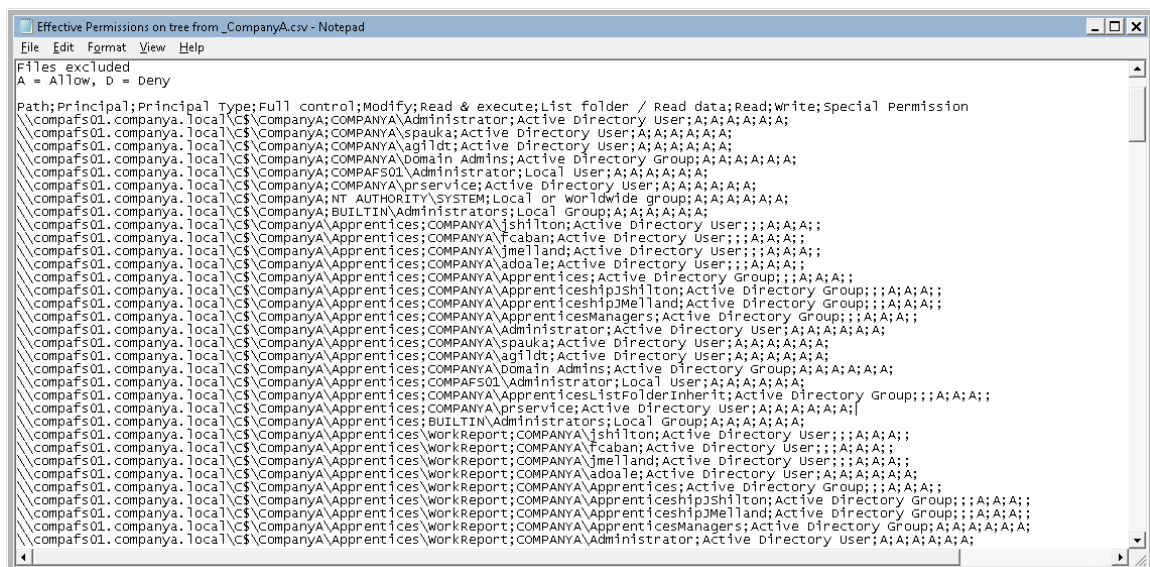
Similar to the “Effective Permissions Report” this report lists all security principals having any permission and their effective permissions on securable objects at the time of the chosen analysis.

But other than in the “Effective Permissions Report” the chosen securable object serves as entry point. Sub-objects of this object will also be included in this report.

In order to avoid excessive memory consumption, this reports may be limited to a maximum level of sub-folder. If this level is reached, no further sub-folder will be included in the report. E.g. C:\ is analyzed and the limit is set to 2, the folder C:\Root\Sub1\ will be included to the report, but C:\Root\Sub1\Sub2\ will not be included.



If no limitation is set, the report will include every securable object starting from the selected entry point.



3.4 Permissions for Principal (CSV, PDF)


To create a "Permissions for Principal Report" an analyzed security principal as well as a securable object has to be selected.

The selected securable object will be used as entry point similar to the selected securable object in a "Permissions for Tree Report".





































































































































































































This report will contain all securable objects and the individual effective permissions the selected principal has on them starting with the entry point.

Permissions for principal Report

Report for BUILTIN\Administrators in Analysis (created: 7/30/2018 1:51:36 AM) by Test FS01 (Analysis Definition) (Profile: Test FS01)

Root file system object selected for this report	
 \compafs01.companya.local\C\$\CompanyA	
Maximum Subfolder Depth	unlimited
Files included	False
Root included in report	True

Name	Value
NT Account Name	BUILTIN\Administrators
Security Identifier	S-1-5-32-544
Is Well Known SID (WKSID)	True
Name	Administrators

Object name	Full control	Modify	Read & execute	List folder / Read data	Read	Write	Special Permissions
 \compafs01.companya.local\C\$\CompanyA							
 \Apprentices							
 \Apprentices\WorkReport							
 \Apprentices\WorkReport\JMelland							
 \Apprentices\WorkReport\JShilton							
 \Development							
 \Development\Product A							
 \Development\Product B							
 \Marketing							
 \Marketing\Campaign							
 \Marketing\Product Presentation							
 \Marketing\Viewing Rate							
 \Personnel Department							
 \Personnel Department\Human resources							
 \Personnel Department\Training							
 \Production							
 \Purchase Department							
 \Purchase Department\Internal Documents							
 \Purchase Department\Internal Documents\Call Of Contracts							
 \Purchase Department\Internal Documents\Discount Contracts							
 \Purchase Department\Public							
 \Sales							
 \Sales\1							
 \Sales\2							
 \Security							
 \Security\1							
 \Security\2							
 \Security\3							

By setting “Show Only First Occurrence” in export options for *Permissions for Principal*, the report will look like following.

Permissions for principal Report

Report for BUILTIN\Administrators in Analysis (created: 7/30/2018 1:51:36 AM) by Test FS01 (Analysis Definition) (Profile: Test FS01)

Root file system object selected for this report	
\\compafs01.companya.local\CS\CompanyA	
Maximum Subfolder Depth	unlimited
Files included	False
Root included in report	True
First Occurences only: Children will be accessible with the same permission by 'BUILTIN\Administrators' if not enlisted in this report.	

Name	Value
NT Account Name	BUILTIN\Administrators
Security Identifier	S-1-5-32-544
Is Well Known SID (WKSID)	True
Name	Administrators

Object name	Full control	Modify	Read & execute	List folder / Read data	Read	Write	Special Permissions
\\compafs01.companya.local\CS\CompanyA	✓	✓	✓	✓	✓	✓	

Types of principals

User in Active Directory,
 Group in Active Directory,
 Computer in Active Directory,
 User of local machine,
 Group of local machine,
 Runtime group,
 Unknown principal type.

Export Report Options

☐ Filter Principals

ChangeResetNo filter

☐ Show Special Permissions

☒ Show Only First Occurrence

☐ Resolve files

☐ Limit subfolder depth to

0

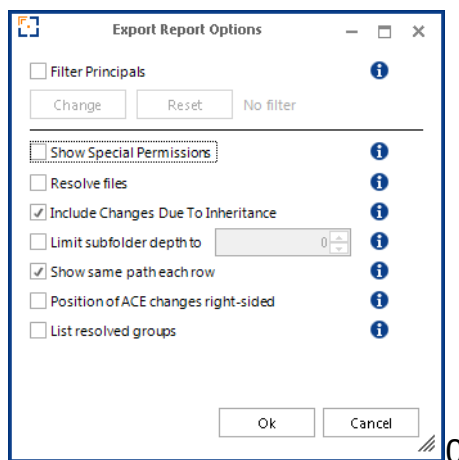
OkCancel

3.5 DACL Differences (CSV, PDF)

Starting with a chosen securable object as an entry point this report shows all differences between DACLs of sub-objects and their direct parents at the time of the chosen analysis.

Therefore a DACL of a securable object will be compared with the DACL of the object which is the direct parent. All disparities between DACLs will be listed in this report in the form of ACEs, causing disparities, and a phrase characterizing the kind of disparity.

You also can use the Principal Filter (see chapter 0 Filter Principals) to see only principals you want to see.



0

3.5.1 Kinds of disparity

Object name	Principal	ACE Change	Inherited (Generation Gap)	Index of ace in dacl	Full control	Modify	Read & execute	List folder / Read data	Read	Write	Special Permissions
\\compafs01.company.local\CS\CompanyA	COMPANYA\prservice	BasePermission	false	2	✓	✓	✓	✓	✓	✓	
\\compafs01.company.local\CS\CompanyA	BUILTIN\Administrators	BasePermission	false	1	✓	✓	✓	✓	✓	✓	
\\compafs01.company.local\CS\CompanyA	NT AUTHORITY\SYSTEM	BasePermission	false	0	✓	✓	✓	✓	✓	✓	
\\Apprentices	COMPANYA\ApprenticesListFolderInherit	Added	false	2	✓	✓	✓	✓	✓	✓	
\\Apprentices	NT AUTHORITY\SYSTEM	Removed	false	0	✓	✓	✓	✓	✓	✓	
\\Apprentices\WorkReport	COMPANYA\ApprenticesListFolderInherit	InheritanceChanged	false	2	✓	✓	✓	✓	✓	✓	
\\Apprentices\WorkReport	COMPANYA\prservice	InheritanceChanged	false	1	✓	✓	✓	✓	✓	✓	
\\Apprentices\WorkReport	BUILTIN\Administrators	InheritanceChanged	false	0	✓	✓	✓	✓	✓	✓	
\\Apprentices\WorkReport	COMPANYA\ApprenticesWorkReportFAI	Added	false	0	✓	✓	✓	✓	✓	✓	
\\Apprentices\WorkReport\Melland	COMPANYA\ApprenticesWorkReportFAI	InheritanceChanged	false	0	✓	✓	✓	✓	✓	✓	
\\Apprentices\WorkReport\Melland	COMPANYA\ApprenticesWR_JMelland_FA	Added	false	0	✓	✓	✓	✓	✓	✓	
\\Apprentices\WorkReport\Shilton	COMPANYA\ApprenticesWorkReportFAI	InheritanceChanged	false	0	✓	✓	✓	✓	✓	✓	
\\Apprentices\WorkReport\Shilton	COMPANYA\ApprenticesWR_JShilton_FA	Added	false	0	✓	✓	✓	✓	✓	✓	
\\Development	COMPANYA\prservice	InheritanceChanged	false	2	✓	✓	✓	✓	✓	✓	
\\Development	BUILTIN\Administrators	InheritanceChanged	false	1	✓	✓	✓	✓	✓	✓	
\\Development	NT AUTHORITY\SYSTEM	InheritanceChanged	false	0	✓	✓	✓	✓	✓	✓	
\\Marketing	COMPANYA\prservice	InheritanceChanged	false	2	✓	✓	✓	✓	✓	✓	
\\Marketing	BUILTIN\Administrators	InheritanceChanged	false	1	✓	✓	✓	✓	✓	✓	
\\Marketing	NT AUTHORITY\SYSTEM	InheritanceChanged	false	0	✓	✓	✓	✓	✓	✓	
\\Personnel Department	COMPANYA\prservice	InheritanceChanged	false	2	✓	✓	✓	✓	✓	✓	
\\Personnel Department	BUILTIN\Administrators	InheritanceChanged	false	1	✓	✓	✓	✓	✓	✓	
\\Personnel Department	NT AUTHORITY\SYSTEM	InheritanceChanged	false	0	✓	✓	✓	✓	✓	✓	
\\Production	COMPANYA\prservice	InheritanceChanged	false	2	✓	✓	✓	✓	✓	✓	
\\Production	BUILTIN\Administrators	InheritanceChanged	false	1	✓	✓	✓	✓	✓	✓	
\\Production	NT AUTHORITY\SYSTEM	InheritanceChanged	false	0	✓	✓	✓	✓	✓	✓	
\\Production	COMPANYA\Production	Added	false	2	✓	✓	✓	✓	✓	✓	
\\Production	COMPANYA\Development	Added	false	1	✓	✓	✓	✓	✓	✓	
\\Production	COMPANYA\Personal Department	Added	false	0	✗	✗	✗	✗	✗	✗	
\\Purchase Department	COMPANYA\PurchaseListFolder	Added	false	2	✓	✓	✓	✓	✓	✓	
\\Purchase Department	NT AUTHORITY\SYSTEM	Removed	false	0	✓	✓	✓	✓	✓	✓	
\\Purchase Department\Internal Documents	COMPANYA\prservice	InheritanceChanged	false	1	✓	✓	✓	✓	✓	✓	
\\Purchase Department\Internal Documents	BUILTIN\Administrators	InheritanceChanged	false	0	✓	✓	✓	✓	✓	✓	
\\Purchase Department\Internal Documents	COMPANYA\PurchaseInternalRWM	Added	false	1	✓	✓	✓	✓	✓	✓	
\\Purchase Department\Internal Documents	COMPANYA\PurchaseInternalFA	Added	false	0	✓	✓	✓	✓	✓	✓	
\\Purchase Department\Internal Documents	COMPANYA\PurchaseListFolder	Removed	false	2	✓	✓	✓	✓	✓	✓	
\\Purchase Department\Internal Documents\Call Of Contracts	COMPANYA\PurchaseInternalRWM	InheritanceChanged	false	1	✓	✓	✓	✓	✓	✓	

3.5.1.1 BasePermission

Represents an ACE of the entry point's DACL. This ACE does not necessarily cause a disparity between its DACL and the DACL of the direct parent.

Note: Since the direct parent is not part of this report you will not be able to make an objective statement whether the ACE is responsible for a different DACL or not.

3.5.1.2 Added

An ACE tagged with the "Added"-keyword means in effect that the DACL of the parent object does not contain an ACE which grants the same permissions to the same security principal.

This means that a new permission has been added to the child object's DACL.

3.5.1.3 Removed

ACEs which are listed as "Removed" representing missing ACEs compared to the parent object's DACL.

3.5.1.4 *InheritanceChanged*

If an ACE is tagged as “InheritanceChanged”, no new permission is added or removed from the DACL of the securable object compared to its parent.

The given ACE differs in its properties concerning inheritance rules. So this ACE may be either the first inherited entry after a new ACE is applied to a securable object or this ACE will not be inherited to the same types of objects as the related ACE of the parent object.

3.6 Permissions Details Report (PDF)


Shows the analyzed effective permission granted for a selected security principal on a securable object.

Furthermore all ACEs of the DACL, which contributed to the effective permission on the selected securable object, are listed in this report.



If listed ACEs are granted permissions over (security) groups, this report will also show the nested memberships of the group, which are leading to the selected security principal.

Example: In the image below the user *prservice* is granted with the permission via the group *BUILTIN\Administrators*. *prservice* is not a direct member of this group. *BUILTIN\Administrators* has a member, which is also a group called *COMPANYA\Domain Admins*. *prservice* is member of the *Domain Admins* group. You can see the resolved membership in this report in the chapter *Group Routes*.



Effective Permission





Object name		Full control	Traverse folder / execute file	List folder / Read data	Read attributes	Read extended attributes	Create files / write data	Create folders / append data	Write attributes	Write extended attributes	Delete subfolders and files	Delete	Read permissions	Change permissions	Take ownership
 COMPANYA\prservice		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Permission ACEs

Object name		Inherited (Generation Gap)	Index of ace in dacl	Full control	Traverse folder / execute file	List folder / Read data	Read attributes	Read extended attributes	Create files / write data	Create folders / append data	Write attributes	Write extended attributes	Delete subfolders and files	Delete	Read permissions	Change permissions	Take ownership
 BUILTIN\Administrators	false		1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
 COMPANYA\prservice	false		2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Group Routes

Routes from  COMPANYA\prservice to  BUILTIN\Administrators

Level	Principal	Is member of
Route 1 of 1		
2	 COMPANYA\prservice	 COMPANYA\Domain Admins
1	 COMPANYA\Domain Admins	 BUILTIN\Administrators







3.7 Full Memberlist Report (PDF)

Shows all analyzed members of a selected group.

This report includes nested memberships and displays the minimal nesting depth.

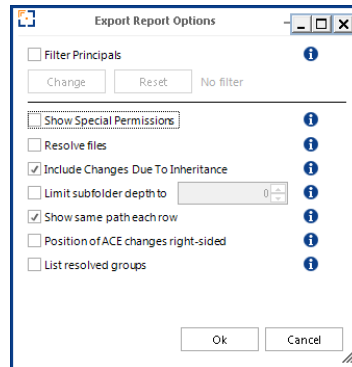
A nested depth of *1* stands for a direct membership. A depth value of *2* means that the listed security principal is member of a group which itself is a direct member of the selected group.

If a security principal is a member of the group via different routes, the shortest route and the minimal nesting depth will be listed.

Analysed Memberships Report	
Memberships of BUILTIN\Administrators (Date of analysis: 7/30/2018 1:51:36 AM)	
Nested depth (minimal)	NT Account
1	 COMPAFS01\Administrator
1	 COMPANYA\Domain Admins
2	 COMPANYA\Administrator
2	 COMPANYA\agldt
2	 COMPANYA\prservice
2	 COMPANYA\spauka

4 Export Report Options

The provided report types offer options, which allow to filter the amount of results. This allows you to export the information you need keeping the resulting size of the exported file as small as possible.



Export Report Options for DACL Differences

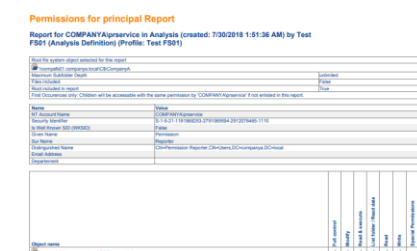
4.1 Show Only First Occurrences

By enabling this option the report will only list securable objects, for whom the effective permission granted to the selected security principal differs from the effective permission granted on the current parent object.

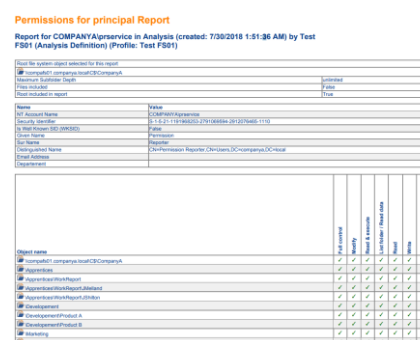
This means effectively that if analyzed sub-objects are not listed in the exported file, these objects grant the same permission to the security principal as the current parent object.

Affected report types:

- Permissions for Principal



Show Only First Occurrences enabled

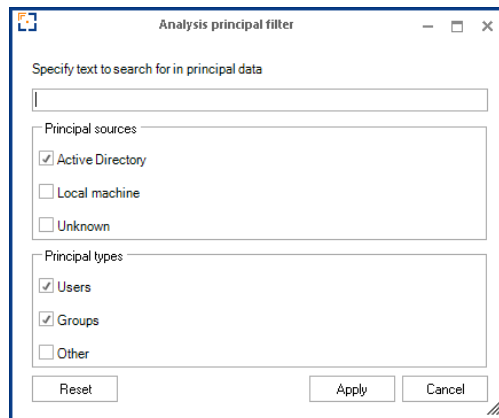


Show Only First Occurrences disabled

4.2 Filter Principals

If a filter is applied for security principals the resulting report will only list security principals which match the defined filter conditions. During the creation of the report however a given filter will not prevent security groups to be resolved, even if these groups do not match the given filter conditions.

You can filter by only selecting specific type e.g. *Active Directory users and groups* without the need of filtering by name.



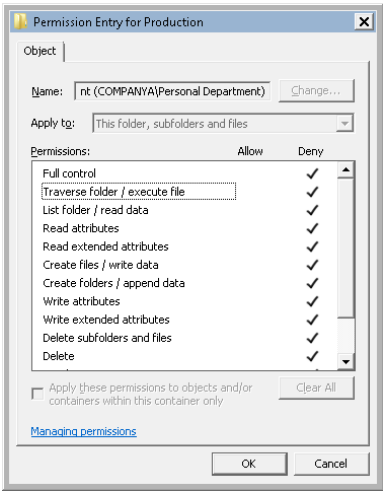
Affected report types:

- Effective Permissions
- Permissions for Tree
- DACL Differences

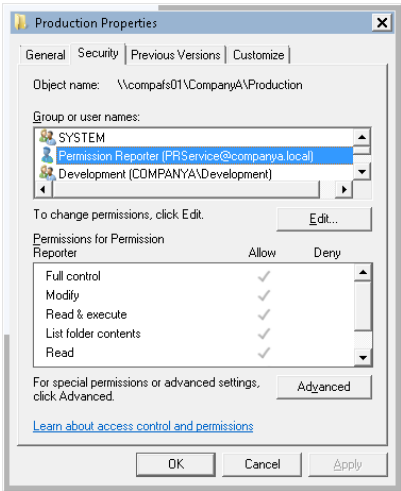
4.3 Show Special Permissions

Enabling this option will cause Permission Reporter to export the access mask of permissions in the form of advanced permissions similar to the advanced permissions listed in the Advanced Permission Dialog of Microsoft’s Windows Explorer.

If this option is disabled, Permission Reporter will display the access mask similar to the permissions listed in the “Security”-Tab of the Property-Dialog of Microsoft’s Windows Explorer.



Special permissions



Permissions

Object name	Full control	Traverse folder / execute file	List folder / Read data	Read attributes	Read extended attributes	Create files / write data	Create folders / append data	Write attributes	Write extended attributes	Delete subfolders and files	Delete	Read permissions	Change permissions	Take ownership
\\compafs01.companya.local\CS\CompanyA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

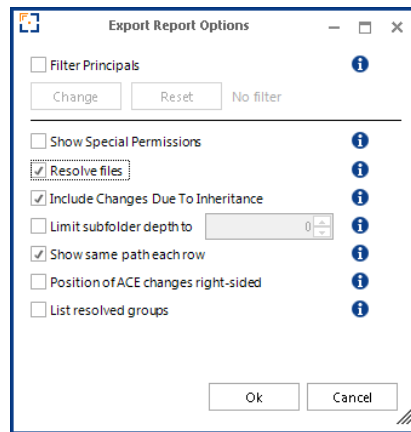
Special Permissions in report

4.4 Resolve Files

Enable the option *Resolve Files* if you to include files in the report. Please note that including files will likely lead to a significant increase of the amount of results in the report.

Consequently the time needed for the export to be generated will also increase.

Note: This option can only be applied if the analysis has “include Files” enabled.



Affected report types:

- Permissions for Principal
- Permissions for Tree
- DACL Differences

Permission Reporter 4.1 Report Descriptions

18

disabled option with resulting report

enabled option with resulting report

- DACL Differences

In order to avoid excessive memory consumption, a report may be limited to a maximum level of sub-folder. If this level is reached, no further sub-folder will be included in the report.

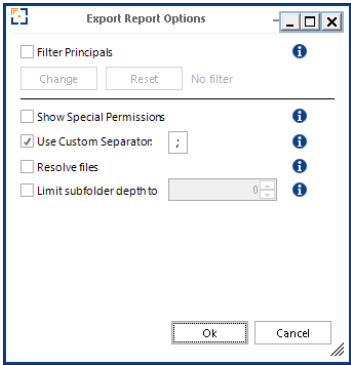
E.g. C:\ is analyzed and the limit is set to 2, the folder C:\Root\Sub1\ will be included to the report, but C:\Root\Sub1\Sub2\ will not be included.

- Permissions for Tree
- Permissions for Principal
- DACL Differences

4.7 Use Custom Separator (CSV only)

Normally there is no need to change the separator for a CSV Report.

But if you want Permission Reporter to use a separator other than the default separator (","") to divide cells inside a CSV Report, you can use this option to select a separator.



4.8 Show same path each row

On huge reports it will be confusing to see the folder-name displayed for each permission. By de-selecting this option you will see the folder only once.

Object name	Principal	ACE Change	Inherited (Generation Gap)	Index of ace in aul	Full control	Modify	Read & execute	List folder / Read data	Read	Write	Special Permissions
\\compafs01.companya.local\CS\CompanyA	COMPANYA\pservice	BasePermission	false	0	✓	✓	✓	✓	✓	✓	
	BUILTIN\Administrators	BasePermission	false	1	✓	✓	✓	✓	✓	✓	
Apprentices	NT AUTHORITY\SYSTEM	BasePermission	false	0	✓	✓	✓	✓	✓	✓	
	COMPANYA\Apprentices\ListFolderInherit	Added	false	2	✓	✓	✓	✓	✓	✓	
	NT AUTHORITY\SYSTEM	Removed	false	0	✓	✓	✓	✓	✓	✓	
Apprentices\WorkReport	COMPANYA\Apprentices\WorkReport\FA	Added	false	0	✓	✓	✓	✓	✓	✓	
Apprentices\WorkReport\J_Melland	COMPANYA\Apprentices\WR_J_Melland_FA	Added	false	0	✓	✓	✓	✓	✓	✓	
Apprentices\WorkReport\J_Shilton	COMPANYA\Apprentices\WR_J_Shilton_FA	Added	false	0	✓	✓	✓	✓	✓	✓	
Production	COMPANYA\Production	Added	false	2	✓	✓	✓	✓	✓	✓	
	COMPANYA\Development	Added	false	1	✓	✓	✓	✓	✓	✓	
Purchase Department	COMPANYA\Personal Department	Added	false	0	✗	✗	✗	✗	✗	✗	
	COMPANYA\Purchase\ListFolder	Added	false	2	✓	✓	✓	✓	✓	✓	
	NT AUTHORITY\SYSTEM	Removed	false	0	✓	✓	✓	✓	✓	✓	
Purchase Department\Internal Documents	COMPANYA\Purchase\InternalRWM	Added	false	1	✓	✓	✓	✓	✓	✓	
	COMPANYA\Purchase\InternalFA	Added	false	0	✓	✓	✓	✓	✓	✓	
	COMPANYA\Purchase\ListFolder	Removed	false	2	✓	✓	✓	✓	✓	✓	
Purchase Department\Public	COMPANYA\Purchase\PublicRO	Added	false	1	✓	✓	✓	✓	✓	✓	
	COMPANYA\Purchase\PublicFA	Added	false	0	✓	✓	✓	✓	✓	✓	
	COMPANYA\Purchase\ListFolder	Removed	false	2	✓	✓	✓	✓	✓	✓	

Affected report types:

- DACL Differences (PDF only)

4.9 Position of ACE changed right-sided

Here you can set the ACE change information to be positioned right sided instead of the middle. This makes the reading of reports easier for non-technicians.

Object name	Principal	Full control	Modify	Read & execute	List folder / Read data	Read	Write	Special Permissions	Index of ace in dacl	Inherited (Generation Gap)	ACE Change
\\compafs01.companya.local\C\$\CompanyA	COMPANYA\prservice	✓	✓	✓	✓	✓	✓		2	false	BasePermission
	BUILTIN\Administrators	✓	✓	✓	✓	✓	✓		1	false	BasePermission
	NT AUTHORITY\SYSTEM	✓	✓	✓	✓	✓	✓		0	false	BasePermission
Apprentices	COMPANYA\ApprenticesListFolderInherit	✓	✓	✓	✓	✓	✓		2	false	Added
	NT AUTHORITY\SYSTEM	✓	✓	✓	✓	✓	✓		0	false	Removed
Apprentices\WorkReport	COMPANYA\ApprenticesListFolderInherit	✓	✓	✓	✓	✓	✓		2	false	InheritanceChanged
	COMPANYA\prservice	✓	✓	✓	✓	✓	✓		1	false	InheritanceChanged
	BUILTIN\Administrators	✓	✓	✓	✓	✓	✓		0	false	InheritanceChanged
	COMPANYA\ApprenticesWorkReportFAI	✓	✓	✓	✓	✓	✓		0	false	Added
Apprentices\WorkReportJLMelland	COMPANYA\ApprenticesWorkReportFAI	✓	✓	✓	✓	✓	✓		0	false	InheritanceChanged
	COMPANYA\ApprenticesWR_JLMelland_FA	✓	✓	✓	✓	✓	✓		0	false	Added
Apprentices\WorkReportJShilton	COMPANYA\ApprenticesWorkReportFAI	✓	✓	✓	✓	✓	✓		0	false	InheritanceChanged
	COMPANYA\ApprenticesWR_JShilton_FA	✓	✓	✓	✓	✓	✓		0	false	Added

Affected report types:

- DACL Differences (PDF only)

4.10 List resolved groups (PDF only)

You can show all groups affected in this report with their membership resolved.

Resolved Groups

BUILTIN\Administrators	COMPAFS01\Administrator	COMPANYA\Domain Admins
COMPANYA\Apprentices	COMPANYA\jlmelland	COMPANYA\jshilton
COMPANYA\ApprenticeshipJLMelland	COMPANYA\jlmelland	COMPANYA\lcaban
COMPANYA\ApprenticeshipJShilton	COMPANYA\lodoale	COMPANYA\jshilton
COMPANYA\ApprenticesListFolderInherit	COMPANYA\ApprenticesManagers	COMPANYA\ApprenticeshipJLMelland
	COMPANYA\ApprenticeshipJShilton	COMPANYA\Apprentices

5 Explanation of Terms

5.1 DACL (Discretionary Access Control List)

The DACL is part of the security descriptor of a securable object like a file, a folder of the file system or even a shared folder.

As a part of the security descriptor of a securable object, a DACL is the list which describes the permissions granted for security principals (like users or security groups) on the securable object.

5.2 ACE (Access Control Entry)

An ACE is an entry inside an ACL (Access Control List). In the case of the DACL an ACE defines the permission granted for a security principal (like a user or a security group) on a securable object, to whose security descriptor the DACL belongs.