

Transparency in Windows File Systems

cMatrix Studio
Windows FS Folder Reporter

Transparent Permissions and Structures in Windows File Systems

Reviewers, auditors and supervisory authorities are demanding increasingly detailed proof that data, users and access rights are securely and transparently administered. Here, however, the people responsible for IT usually lack reliable information. The reason is inherited file systems with partly undocumented permissions. This lack of transparency significantly increases the labor required to conduct migration and consolidation projects.

Scan, Analyze, Report, Transparency

With cMatrix Reporting, organizations now have the important information about their file systems:

Who is permitted to do what?

Filter out and itemize all permissions, even in large file systems.

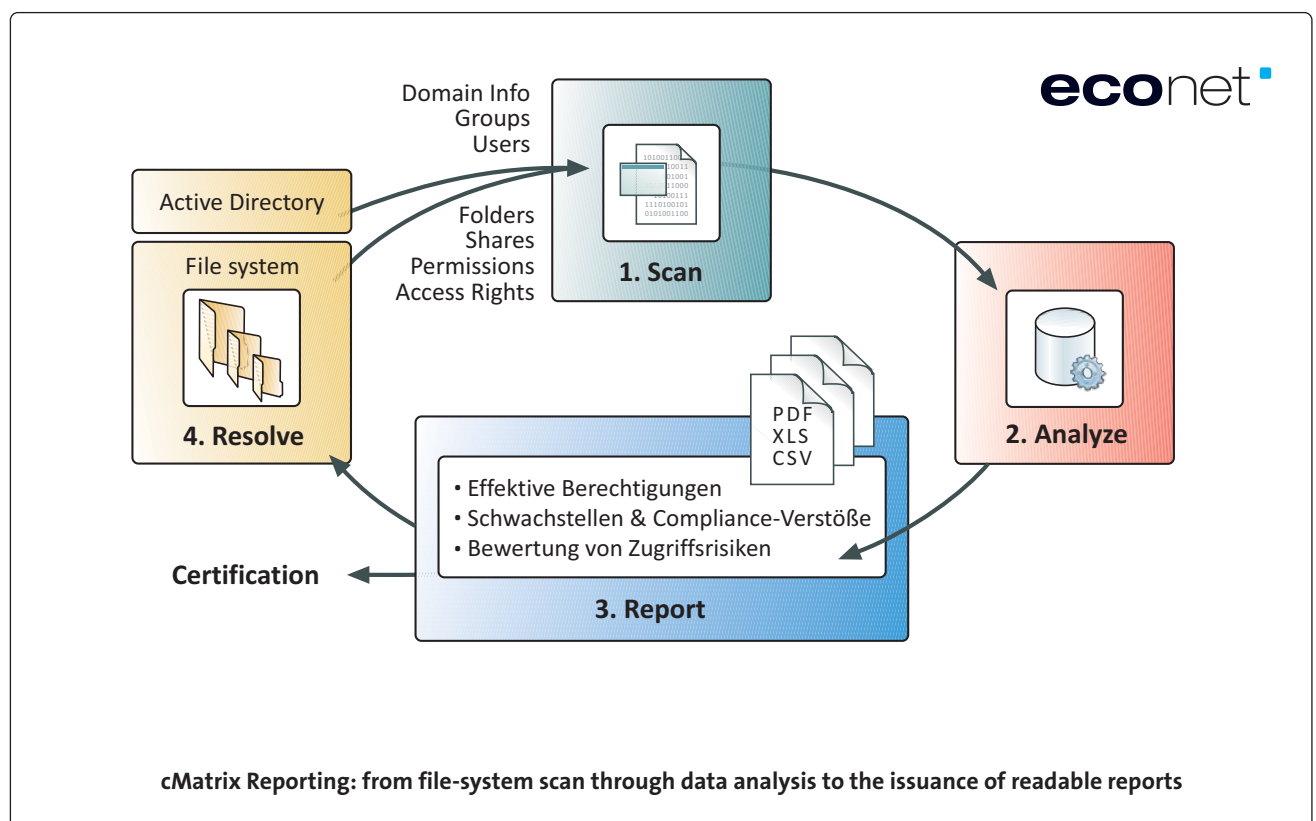
Where are the potential threats?

Identify, analyze and evaluate risks and weak points.

The information and indicators thus gained are issued in “readable” reports. These compliant and auditable reports provide the basis for the ongoing evaluation of risks. They can also be issued as journals containing proof of historical permissions.

The built-in standard reports answer important questions such as:

- Which users and/or which groups are authorized inside the examined area?
- Onto which directories is a particular user permitted, and in which ways is he permitted there?
- Which groups are the sources of these permissions?
- Who has permission for a particular folder, and in which ways is he permitted there?
- Who are the owners of the folders and shares?
- Which shares exist, and are they nested?
- Where do “special” permissions exist?
- Which files exceed the maximal path length?
- What differences have been detected compared to the previous evaluation?
- On which directories are orphaned user accounts still permitted?
- At which locations in the file system’s structure do the permissions change?
- What is the general status of the examined area with regard to security and manageability?



cMatrix Reporting: from file-system scan through data analysis to the issuance of readable reports



Greater information security: Identify effective permissions on folders and releases of folders – also within the framework of attestations and migration planning

Structured approach: Detect repeatable permissions and critical situations in file systems, compare them, and depict them in readable reports (in PDF, XLS and CSV formats)

Facilitate the evaluation of examined areas through performance indicators for risk and manageability (key risk indicators / key manageability indicators)

Better compliance conformity: Comply with obligations for documentation, keep track of changes, continually evaluate risks

Higher scalability: Reliable results, also in very large directory structures, even with several million folders

Save time and money: Completely automated scanning and reporting sequences after one-time-only configuration. These sequences can also be performed on a prescheduled basis, e.g. at night or on weekends. Several scans can run simultaneously over different areas. The generated reports can be automatically sent to specified recipients via e-mail.

Lastingly tidy permissions

To maximize information security and compliance conformity, it is recommended that access rights should be granted and changed according to thoroughgoing, rule-based processes. Automated request and approval workflows rely on the several-pairs-of-eyes principle to assure that coworkers only receive access to the “right” files.

Visit “Fileservice Management” at www.econet.de to learn more about how you can transform your file systems and permissions into a lastingly orderly state.

System requirements

- Windows XP
- Windows Vista
- Windows 2003 Server
- Windows 2008 Server
- Systems must be in Active Directory
- Supported database server
MS SQL server
starting with version 2005

Would you like to have an online demonstration of the solution? Please contact us!

From the overview reports to the filtered, detailed views: with cMatrix Reporting, you have the important information about your file system.

Scan Summary Report

Scope: C:\Users

Name	Percentage	Set directly	Value
1. Scanned folders	-	-	2.360
2. Scanned permissions	-	-	16.235
3. Permissions after resolved group memberships	-	-	202.549
4. Users authorized in scanned folders	-	-	25
5. Groups authorized in scanned folders	-	-	20
6. Relation of groups to users	-	-	0,80
7. Folders with 'everyone' permissions *	9,75%	75	230
8. Folders with 'everyone full control' permissions *	0,21%	2	5
9. Folders with non-group/single user permissions	95,04%	23	2.243
10. Folders with just one single user permission	0,00%	0	0
11. Folders with non-inherited permissions (FSN)	4,24%	-	100
12. Relation of FSNs to users	-	-	4,00
13. Folders with deny permissions	2,92%	69	69

subreport_n

Start Paste Layout For

N29 fx

- 1 C:\Users\admin
- 2 C:\Users\admin\AppData\Local\Temp\WP
- 3 C:\Users\admin\AppData\LocalLow
- 4 C:\Users\admin\AppData\LocalLow\Micros
- 5 C:\Users\admin\AppData\LocalLow\Micros
- 6 C:\Users\admin\AppData\LocalLow\Micros
- 7 C:\Users\admin\AppData\LocalLow\Micros
- 8 C:\Users\admin\AppData\LocalLow\Sun
- 9 C:\Users\admin\AppData\LocalLow\Sun\Ja
- 10 C:\Users\admin\AppData\LocalLow\Sun\Ja
- 11 C:\Users\admin\AppData\Roaming\Micros
- 12 C:\Users\admin\Favorites\Links
- 13 C:\Users\admin\Favorites\Microsoft Webs
- 14 C:\Users\admin\Favorites\MSN Websites
- 15 C:\Users\admin\Favorites\Windows Live
- 16 C:\Users\ew078
- 17 C:\Users\ew078\AppData\Local\Microsoft

cMatrix Studio Reporting for Windows File Systems



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File System Report KRI/KMI

Key Risk Indicators (KRI) & Key Manageability Indicators (KMI)

Scope: \\servername\share Scan Date: 23.10.2010

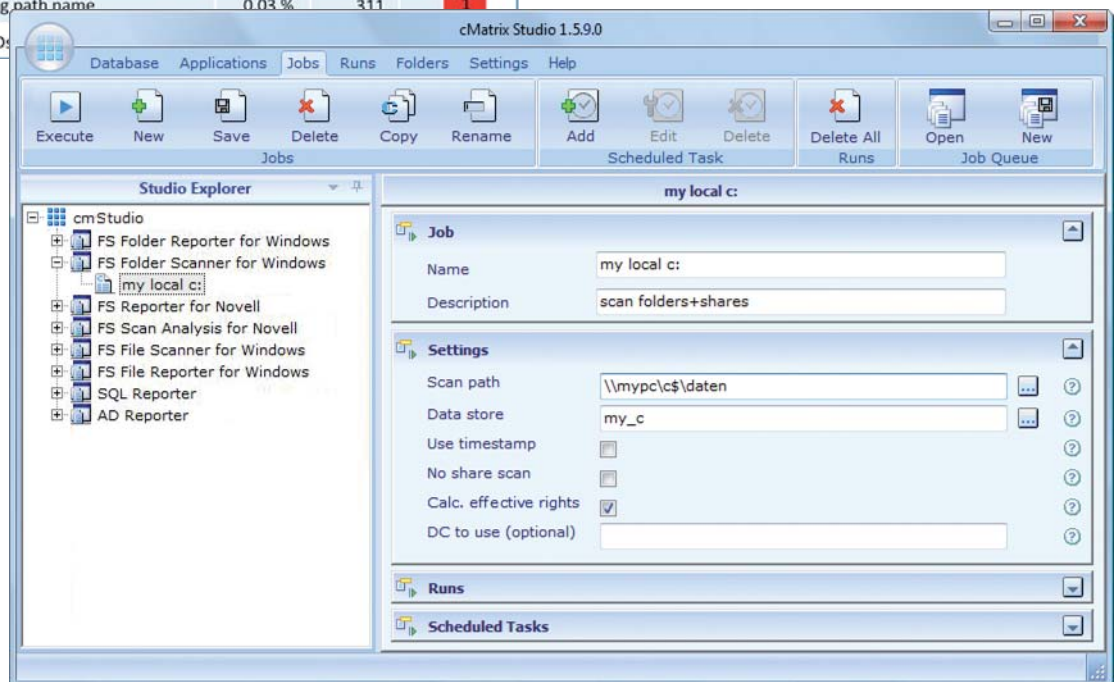
By scale		Value		KMI
Scanned ACEs/folders		6		10
Relation of groups to users		0,14		10
Relation of folders with non inherited permissions to users		2,47		1
By findings	Percent	Value	KRI	KMI
Permissions for the "Everyone" group	0,26 %	6.224	4	1
Direct full control permissions for "Everyone" group	0,33 %	3.340	6	1
Folders with direct user permissions	59,32 %	594.966	1	1
Folders with non-inherited permissions	1,44 %	14.481	9	4
Folders with deny permissions	0,49 %	4.940	1	1
Folder structures with long_path_name	0,03 %	311	1	1
Folders with orphaned SIDs				

Reporting applications available for
cMatrix Studio framework

- **Windows FS Folder Reporter**
Permission and risk audits in Windows file systems
- **Windows FS File Reporter**
Clarity regarding files in Windows file systems
- **Novell FS Folder Reporter**
Permission audits in Novell file systems
- **Active Directory Reporter**
Clarity in AD-Objects

KRI/KMI Report:
Indicators for risk
and manageability
evaluate identified
weak points in the
file system

cMatrix Studio:
A professional tool
with a readily readable
surface and simple
operation



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