

# File Server Resource Manager



# File Server Resource Manager

## Utilité :

- Contrôler et gérer plus efficacement l'espace de stockage
- Appliquer des politiques de stockage
- Surveiller l'activité des fichiers sur un serveur

## Outils :

- Gérer les quotas (Quota Management)
- Filtrer les types de fichiers (File Screening Management)
- Générer des rapports de stockage (Storage Reports)
- Classifier les fichiers (Classification Management)
- Automatiser les tâches de gestion des fichiers (File Management Tasks)

# Quota Management (Gestion des quotas) :

## Description :

- Outil intégré à Windows Server pour la gestion des quotas de stockage.
- Permet de limiter l'espace disque utilisé par les dossiers ou les volumes.
- Garantit qu'aucun utilisateur n'utilise plus d'espace que prévu.

## Types de quotas :

- Quota inconditionnel (hard quota) : empêche tout dépassement de la limite fixée.
- Quota conditionnel (soft quota) : permet de dépasser la limite mais envoie des notifications.

# Quota Management (Gestion des quotas) :

File Server Resource Manager

File Action View Help

File Server Resource Manager (Local)

- Quota Management
  - Quotas
  - Quota Templates
- File Screening Management
- Storage Reports Management
- Classification Management
- File Management Tasks

Filter: Show filtered: 1 out of 1 items

| Quota Path                            | % Used | Limit   | Quota Type        | Source Template | Match Template | Description |
|---------------------------------------|--------|---------|-------------------|-----------------|----------------|-------------|
| Source Template: 10 GB Limit (1 item) |        |         |                   |                 |                |             |
| D:\Homefolders\*                      | ---    | 10,0 GB | Hard (Auto Apply) | 10 GB Limit     | Yes            |             |

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| Quota Template                    | Limit   | Quota Type |
|-----------------------------------|---------|------------|
| 10 GB Limit                       | 10,0 GB | Hard       |
| 100 MB Limit                      | 100 MB  | Hard       |
| 2 GB Limit                        | 2,00 GB | Hard       |
| 200 MB Limit Reports to User      | 200 MB  | Hard       |
| 200 MB Limit with 50 MB Extension | 200 MB  | Hard       |
| 250 MB Extended Limit             | 250 MB  | Hard       |
| 5 GB Limit                        | 5,00 GB | Hard       |
| Monitor 10 TB Volume Usage        | 10,0 TB | Soft       |
| Monitor 200 GB Volume Usage       | 200 GB  | Soft       |
| Monitor 3 TB Volume Usage         | 3,00 TB | Soft       |
| Monitor 5 TB Volume Usage         | 5,00 TB | Soft       |
| Monitor 500 MB Share              | 500 MB  | Soft       |

# Quota Management (Gestion des quotas) :

Create Quota

Quota path:  
D:\Homefolders Browse...

Create quota on path  
 Auto apply template and create quotas on existing and new subfolders

Quota properties  
You can either use properties from a quota template or define custom quota properties.

How do you want to configure quota properties?

Derive properties from this quota template (recommended):  
10 GB Limit

Define custom quota properties  
Custom Properties ...

Summary of quota properties:

- Quota: D:\Homefolders
  - Source template: 10 GB Limit
  - Limit: 10,0 GB (Hard)
- Notification: 4
  - Warning(85%): Email
  - Warning(95%): Email, Event log

Create Cancel

Create Quota

Quota path:  
D:\Homefolders Browse...

Create quota on path  
 Auto apply template and create quotas on existing and new subfolders

Quota properties  
You can either use properties from a quota template or define custom quota properties.

How do you want to configure quota properties?

Derive properties from this quota template (recommended):  
100 MB Limit

Define custom quota properties  
Custom Properties ...

Summary of quota properties:

- Quota: D:\Homefolders
  - Limit: 100 MB (Hard)
  - Notification: 1

Create Cancel

Quota Properties of D:\Homefolders

Copy properties from quota template (optional):  
10 GB Limit Copy

Settings

Quota path:  
D:\Homefolders

Description (optional):

Space limit  
Limit:  
100,000 MB

Hard quota: Do not allow users to exceed limit  
 Soft quota: Allow users to exceed limit (use for monitoring)

Notification thresholds

| Threshold | Email | Event Log | Command | Report |
|-----------|-------|-----------|---------|--------|
|           |       |           |         |        |

Add... Edit... Remove

Disable quota

OK Cancel

# Quota Management (Gestion des quotas) :

Quota Properties of D:\Homefolders

Copy properties from quota template (optional):  
10 GB Limit

Settings

Quota path:  
D:\Homefolders

Description (optional):

Space limit  
Limit: 100,000 MB

Hard quota: Do not allow users to exceed limit  
 Soft quota: Allow users to exceed limit (use for monitoring)

| Threshold | E-mail | Event Log | Command | Report |
|-----------|--------|-----------|---------|--------|
|           |        |           |         |        |

Disable quota

Add Threshold

Generate notifications when usage reaches (%):  
85

E-mail Message

Send e-mail to the following administrators:  
administrator@dom30.local  
Format: account@domain. Use semicolons to separate accounts.

Send e-mail to the user who exceeded the threshold

E-mail message  
Type the text to use for the Subject line and message.  
To identify the quota, limit, usage, or other information about the current threshold, you can use Insert Variable to insert a variable in your text.

Subject:  
[Quota Threshold]% quota threshold exceeded

Message body:  
User [Source Io Owner] has exceeded the [Quota Threshold]% quota threshold for the quota on [Quota Path] on server [Server]. The quota limit is [Quota Limit MB] MB, and [Quota Used MB] MB currently is in use ([Quota Used Percent]% of limit).

Select variable to insert:  
[Admin Email]   
Inserts the e-mail addresses of the administrators who receive the e-mail.

Add Threshold

Generate notifications when usage reaches (%):  
85

E-mail Message

Generate reports

Select reports to generate:  
 Duplicate Files  
 File Screening Audit  
 Files by File Group

The maximum number of files to include in all storage reports  
Maximum Number:  
1000

When a quota or file screening event generates incident reports, default report settings are used. To modify the default settings, use the Configure Options task, Storage Reports tab.

Send reports to the following administrators:  
administrator@dom30.local  
Format: account@domain. Use a semicolon to separate multiple accounts.

Send reports to the user who exceeded the threshold

The reports will be saved in C:\StorageReports\Incident.

To change the locations where reports are saved, use the Configure Options task, Report Locations tab.

## File Screening Management (Gestion des filtres de fichiers) :

### Description :

Le File Screening Management permet de bloquer certains types de fichiers d'être stockés sur le serveur. Cela aide à prévenir le stockage de fichiers non autorisés ou potentiellement dangereux.

### Exemples de types de fichiers :

- Fichiers exécutables : .exe .com .bat .cmd .msi
- Fichiers multimédias : .mp3 .mp4 .avi .mkv
- Fichiers de compression et d'archivage : .zip .rar .7z
- Fichiers d'image : .jpg .jpeg .png .gif
- Fichiers de documents et de bureautique : .doc .docx .ppt .pptx .pdf .txt

# File Screening Management (Gestion des filtres de fichiers) :

File Server Resource Manager

File Action View Help

File Server Resource Manager (Local)

- Quota Management
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  - File Screens
  - File Screen Templates
  - File Groups
- Storage Reports Management
- Classification Management
- File Management Tasks

Filter: Show all: 1 items

| File Screen Path                                 | Screening Type | File Groups                                    | Source Template        | Match Template |
|--|----------------|--|------------------------|----------------|
| Source Template: Block Executable Files (1 item) |                |  |                        |                |
| D:\Homefolders                                   | Active         | Block: Audio and Video Files, Executable Files | Block Executable Files | No             |

File Server Resource Manager (Local)

- Quota Management
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- File Management Tasks

| File screen Template                | Screening Type | File Groups                          |
|-------------------------------------|----------------|--------------------------------------|
| Block Audio and Video Files         | Active         | Block: Audio and Video Files         |
| Block E-mail Files                  | Active         | Block: E-mail Files                  |
| Block Executable Files              | Active         | Block: Executable Files              |
| Block Image Files                   | Active         | Block: Image Files                   |
| Monitor Executable and System Files | Passive        | Warn: Executable Files, System Files |

File Server Resource Manager (Local)

- Quota Management
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- Storage Reports Management
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| File Groups           | Include Files  | Exclude Files |
|-----------------------|--|---------------|
| Audio and Video Files | *.aac, *.aif, *.aiff, *.asf, *.asx, *.au, *.avi, *.flac, *.m3u, *.mid, *.midi, *.mov, *.mp1, *.mp2, *.mp3, *.m...          |               |
| Backup Files          | *.bak, *.bck, *.bkf, *.old   |               |
| Compressed Files      | *.ace, *.arc, *.arj, *.bhz, *.bz2, *.cab, *.gz, *.gzip, *.hpk, *.hqx, *.jar, *.lha, *.lzh, *.lzx, *.pak, *.pit, *.rar, ... |               |
| E-mail Files          | *.eml, *.idx, *.mbox, *.mbx, *.msg, *.oft, *.ost, *.pab, *.pst   |               |
| Executable Files      | *.bat, *.cmd, *.com, *.cpl, *.exe, *.inf, *.js, *.jse, *.msh, *.msi, *.msp, *.ocx, *.pif, *.pl, *.ps1, *.scr, *.vb...      |               |
| Image Files           | *.bmp, *.dib, *.eps, *.gif, *.img, *.jif, *.jpe, *.jpeg, *.jpg, *.pcx, *.png, *.ps, *.psd, *.raw, *.rif, *.spiff, *...     |               |
| Office Files          | *.accdb, *.accde, *.accdr, *.accdt, *.adn, *.adp, *.doc, *.docm, *.docx, *.dot, *.dotm, *.dotx, *.grv, *...                |               |
| System Files          | *.acm, *.dll, *.ocx, *.sys, *.vxd  |               |
| Temporary Files       | *.temp, *.tmp, ~*  |               |
| Text Files            | *.asc, *.text, *.txt   |               |
| Web Page Files        | *.asp, *.aspx, *.cgi, *.css, *.dhtml, *.hta, *.htm, *.html, *.mht, *.php, *.php3, *.shtml, *.url                           |               |

# File Screening Management (Gestion des filtres de fichiers) :

Create File Screen

File screen path:  
D:\Homefolders Browse...

File screen properties

You can either use properties from a file screen template or define custom file screen properties.

How do you want to configure file screen properties?

Derive properties from this file screen template (recommended):  
Block Executable Files

Define custom file screen properties:  
Custom Properties ...

Summary of file screen properties:

- File screen: D:\Homefolders
  - Source template: Block Executable Files
  - Screening type: Active
  - File groups: Executable Files
  - Notifications: Email, Event log

Create Cancel

Create File Screen

File screen path:  
D:\Homefolders Browse...

File screen properties

You can either use properties from a file screen template or define custom file screen properties.

How do you want to configure file screen properties?

Derive properties from this file screen template (recommended):  
Block Executable Files

Define custom file screen properties:  
Custom Properties ...

Summary of file screen properties:

- File screen: D:\Homefolders
  - Screening type: Active
  - File groups:
  - Notifications:

Create Cancel

File Screen Properties on D:\Homefolders

Copy properties from template (optional):  
Block Audio and Video Files Copy

Settings E-mail Message Event Log Command Report

File screen path:  
D:\Homefolders

Screening type:

Active screening: Do not allow users to save unauthorized files

Passive screening: Allow users to save files (use for monitoring)

File groups

Select file groups to block:

- Audio and Video Files
- Backup Files
- Compressed Files
- E-mail Files
- Executable Files
- Image Files
- Office Files
- System Files

Maintain file groups:  
Create...  
Edit...

To select a file group to edit, highlight its label.

OK Cancel

# File Screening Management (Gestion des filtres de fichiers) :

File Screen Properties on D:\Homefolders

Copy properties from template (optional):  
Block Audio and Video Files Copy

Settings | E-mail Message | Event Log | Command | Report

File screen path:  
D:\Homefolders

Screening type:  
 Active screening: Do not allow users to save unauthorized files  
 Passive screening: Allow users to save files (use for monitoring)

File groups  
Select file groups to block:

- Audio and Video Files
- Backup Files
- Compressed Files
- E-mail Files
- Executable Files
- Image Files
- Office Files
- System Files

Maintain file groups:  
Create...  
Edit...

To select a file group to edit, highlight its label.

OK Cancel

File Screen Properties on D:\Homefolders

Copy properties from template (optional):  
Block Audio and Video Files Copy

Settings | E-mail Message | Event Log | Command | Report

Send e-mail to the following administrators:  
administrator@dom30.local  
Format: account@domain. Use semicolons to separate accounts.

Send e-mail to the user who attempted to save an unauthorized file

E-mail message  
Type the text to use for the Subject line and message.  
To identify the file screen, file group, user, or event associated with the current notification, you can use Insert Variable to insert a variable in your text

Subject:  
Unauthorized file from the [Violated File Group] file group det

Message body:  
User [Source Io Owner] attempted to save [Source File Path] to [File Screen Path] on the [Server] server. This file is in the [Violated File Group] file group, which is not permitted on the server.

Select variable to insert:  
[Admin Email] Insert Variable  
Inserts the e-mail addresses of the administrators who receive the e-mail.

Additional E-mail Headers...

OK Cancel

File Screen Properties on D:\Homefolders

Copy properties from template (optional):  
Block Audio and Video Files Copy

Settings | E-mail Message | Event Log | Command | Report

Generate reports

Select reports to generate:

- Duplicate Files
- File Screening Audit
- Files by File Group

Review Selected Reports

The maximum number of files to include in all storage reports  
Maximum Number:  
1000

When a quota or file screening event generates incident reports, default report settings are used. To modify the default settings, use the Configure Options task, Storage Reports tab.

Send reports to the following administrators:  
administrator@dom30.local  
Format: account@domain. Use a semicolon to separate multiple accounts.

Send reports to the user who attempted to save an unauthorized file

The reports will be saved in C:\StorageReports\Incident.

To change the locations where reports are saved, use the Configure Options task, Report Locations tab.

OK Cancel

## Storage Reports (Rapports de stockage) :

### Description :

Fournit des rapports détaillés sur l'utilisation de l'espace disque, les types de fichiers stockés, et les quotas. Ces rapports peuvent aider les administrateurs à comprendre et à gérer l'utilisation du stockage.

### Types de rapports disponibles :

- Propose divers rapports pour la gestion du stockage, notamment sur l'utilisation du disque, les extensions de fichiers, et les fichiers dupliqués.
- Offre également des analyses sur les fichiers de grande taille, récemment modifiés ou anciens.

# Storage Reports (Rapports de stockage) :

Storage Reports Task Properties

Settings Scope Delivery Schedule

Report Name:  
Duplicate Files Report Task

Report data

Select reports to generate:

- Duplicate Files
- File Screening Audit
- Files by File Group

[Edit Parameters...](#)

[Review Selected Reports](#)

To configure a report, highlight its label and click Edit Parameters.

The maximum number of files to include in all storage reports

Maximum Number:  
1000

Report formats

- DHTML
- HTML
- XML
- CSV
- Text

OK Cancel

Storage Reports Task Properties

Settings Scope Delivery Schedule

Include all folders that store the following kinds of data:

- Application Files
- Backup and Archival Files
- Group Files
- User Files

The following folders are included in this scope:

| Folder         | Folder Usage |
|----------------|--------------|
| D:\Homefolders |              |

[Set Folder Management Properties...](#)

[Add...](#) [Remove](#)

OK Cancel

# Storage Reports (Rapports de stockage) :

Storage Reports Task Properties

Settings Scope Delivery Schedule

Send reports to the following administrators:

Format: account@domain. Use a semicolon to separate multiple accounts.

Reports will be saved in C:\StorageReports\Scheduled.

 To change the locations where storage reports are saved, use the Configure Options task, Report Locations tab.

OK Cancel

Storage Reports Task Properties

Settings Scope Delivery Schedule

Run at:

Weekly  Monthly

Sunday  Monday  Tuesday

Wednesday  Thursday  Friday

Saturday

Limit (in hours):

OK Cancel

# Storage Reports (Rapports de stockage) :

|                     |   |
|---------------------|---|
|                     | <b>Duplicate Files Report</b><br>Generated at: 21-07-24 19:37:49  |
| Report Description: | Lists files that appear to be duplicates (files with same name, size and last modified time). Use this report to quickly identify and reclaim disk space wasted because of duplication. |
| Machine:            | MS-PROD-01  |
| Report Folders:     | 'D:\Homefolders'  |

## [Duplicate Files Report Table of Contents](#)

- [Report Totals](#)
- [Size by Owner](#)
- [Size by File Group](#)
- [Report statistics](#)

| Report Totals             |       |                    |                                    |       |                    |              |
|---------------------------|-------|--------------------|------------------------------------|-------|--------------------|--------------|
| Files shown in the report |       |                    | All files matching report criteria |       |                    |              |
| Duplicate Groups          | Files | Total size on Disk | Duplicate Groups                   | Files | Total size on Disk | Wasted Space |
| 0                         | 0     | 0,00 MB            | 0                                  | 0     | 0,00 MB            | 0,00 MB      |

## [To top of the current report](#)

| Size by Owner |                    |       |
|---------------|--------------------|-------|
| Owner         | Total size on Disk | Files |

## [To top of the current report](#)

| Size by File Group |                    |       |
|--------------------|--------------------|-------|
| File Group         | Total size on Disk | Files |

## [To top of the current report](#)

# En conclusion...

Le FSRM est un outil puissant et polyvalent pour la gestion des ressources de fichiers sur Windows Server. En mettant en œuvre des quotas, en filtrant les fichiers et en générant des rapports détaillés, FSRM nous permet d'optimiser l'utilisation de l'espace disque, d'améliorer la sécurité et de simplifier l'administration.

**Gestion des quotas**

**Gestion des filtres de  
fichiers**

**Rapports de  
stockage**

# Merci de votre attention !