Security

Security is increasingly important. As PMA.core has been deployed in increasingly complex scenarios over the years, its security features have evolved, too.

Security pertaining to root-directories is situated at two levels:

- Security features that enable root-directories to access content, such as:
  - Configure public/secret key combinations for S3 resources
  - Configure account credentials to be used when accessing a UNC network resource path
- Prevent users from access mounted content through root directories that they are or are not allowed to do
  - Define Access control lists

The following paragraphs elaborate on these respective subjects:

Accessing secured content

Based on the type of data storage that a root directory's mounting point refers to, the configuration offers different options:

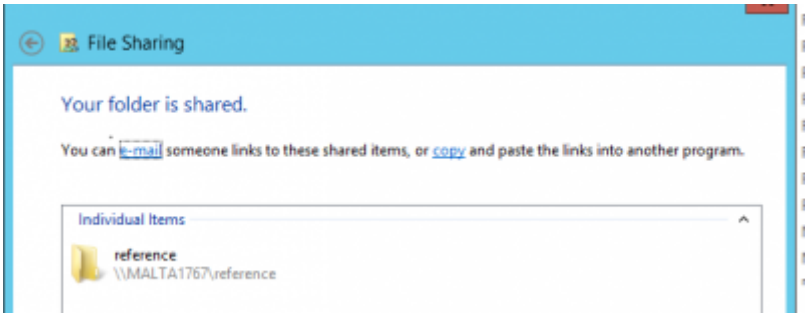
Local hard disk entry points

Network storage (UNC paths)

Pathomation runs under a certain application pool. This application pool is associated with a user identify, which may not have access to the network path that you try to access. Giving access for the application pool to access the network resource may be difficult for a variety of reasons.

If you can't immediately access the network path with default (i.e. application pool) credentials, you can provide additional information.

In the case below we've created a dedicated pma_read user that is permitted to acces the shared \\MALTA1767\reference path:



S3 storage

Azure storage

Public vs private

Public root directories can be accesses by anybody who is a registered user in the PMA.core user repository.

Private root directories are only accessible by those who have been explicitly given access to be allowed to access the folder through the directory's access control list.

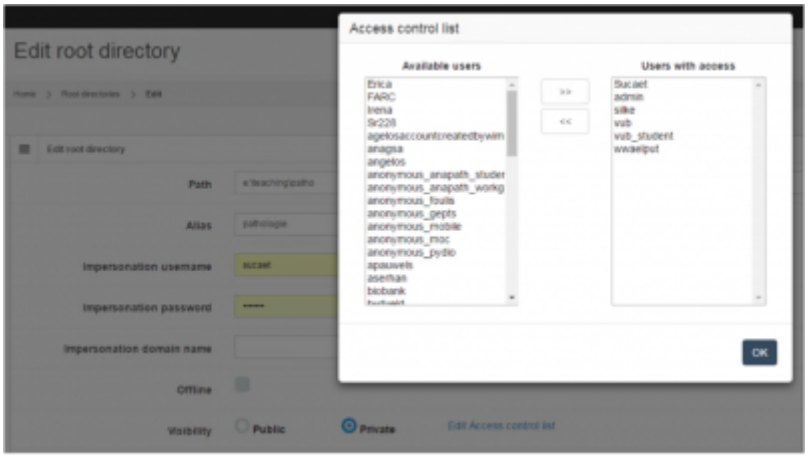
Access control lists

As you have more users and more root-directories, it becomes undesirable that everybody is allow to see everything.

Therefore, root-directories can be marked “public” or “private”:

- Unordered List ItemWhen they are marked “public”, it means every user has access to them.
- Unordered List ItemWhen they are marked “private”, it means only select users can see the content

Once marked private, you can select what users are allowed to see the content of the root directory, and which ones aren't: Do this by pressing the “Edit access control list” link after you selected the “private” option:



From:
https://docs.pathomation.com/pma.core/2.0.2/ - **PMA.core 2.x**

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Last update: **2022/02/10 17:06**