Folder Owner Discover/Suggestion

Getting Started:

Your requirement is to know about the folder owner based on following criteria:

Activity on folder (file creation, modification, read etc)

File Author / Person last modified

Privilege Level (ACL: read or read/write or full permission)

Current Folder Owner

Owner based on Managed by field of group with highest privilege

As an input UNC path will be taken, Windows file Server NTFS/SMB System (Netapp)

On the criterias above application would calculate that the person x has 85% chance to be the owner because he has most files in the folder according to the custom rules defined by us and person y has 15% because he has limited access.

My Concept:

I’ve started working on a Windows application in .Net Framework 4.6.2. If I will change the framework, I will let you know.

As you want UPN name of the user so we need to have following configurations:

Domain Name

Username

Password

Input for UNC path will also be taken.

My idea is to have a scoring mechanism. Desktop application will read a json file in which we will define scoring criteria. For example we will define a total score of 100 and will divide among all the criteria which we will define. For instance, read has score 10 out of 100, write has 20, Full control has 100 and so on. We will finalize ACL permissions or any other custom criteria.

So, let’s say you have provided a UNC path and provided your domain credentials for UPN, application will start looking into all files which will be available in that folder and will start processing them one by one. Let’s say it had two files. 1.png and 2.png. It will take 1.png first and will start it processing. It will take all the users associated with the file. Now, it will process users one by one. For instance it has two users associated with it. It will take its first user and will calculate its ownership based on our sociring mechanism which we have defined in a json file.

ACL for the folder.

Owner for the folder.

Activity for the files.

One folder only.

Activity on the files in the directory.