Genesis Grant

CTEC 305

Reflective Questions: NTFS Permissions

Following the principle of least privilege, which is defined as the security concept that users should only be granted minimum level of access or permissions necessary to perform their tasks, I would grant Sales, who only needs the ability to view files, Read attributes permissions. This will grant the Sales department only the ability to read the contents within files and folders. They will not be allowed to edit, revise, add, delete, etc., preventing them from modifying any data. For the Management department, who needs the ability to add files to folders and run applications, would be granted create folders/append data and Traverse folder/execute file. The create folders/ append data permissions would grant the user the ability to add to the end of a file/folder, but not modifying, deleting, editing, etc. Traverse folder/execute file will grant the user the ability to run applications.

For the Finance department, who needs the ability to view and run applications, I would grant them Traverse folder/execute file. This permission allows for the user to list contents within a folder as well as run any programs. Finally, for the Manager/ Managing department, who wants the ability to alter permissions and delegate ownership, I would grant them Take ownership. This permission allows user to take ownership of files or folders and includes the read and change permissions abilities. This means the Manager role will also have access to read attributes permissions and can change the permissions associated with a certain file or folder.