# File Management Script

Sharjeel Faiq

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## 1 Introduction

This document presents a PowerShell script that performs various file management tasks, including creating directories, copying or moving files, and deleting files or folders.

## 2 PowerShell Script

```powershell
# Create a new directory
$directoryPath = "C:\NewFolder"
New-Item -Path $directoryPath -ItemType Directory

# Copy a file to a new location
$sourceFile = "C:\Path\file.txt"
$destinationFile = "D:\Destination\file.txt"
Copy-Item -Path $sourceFile -Destination $destinationFile

# Move a file to a new location
$sourceFile = "C:\Path\file.txt"
$destinationFile = "D:\NewLocation\file.txt"
Move-Item -Path $sourceFile -Destination $destinationFile

# Delete a file
$fileToDelete = "C:\Path\file.txt"
Remove-Item -Path $fileToDelete

# Delete a directory and its contents
$directoryToDelete = "C:\DirectoryToDelete"
Remove-Item -Path $directoryToDelete -Recurse
```

# 3 Explanation

The provided PowerShell script performs the following file management tasks:

1. Creates a new directory using the 'New-Item' cmdlet with the specified path and item type.

2. Copies a file from the source location to the destination location using the 'Copy-Item' cmdlet with the appropriate paths.

3. Moves a file from the source location to the destination location using the 'Move-Item' cmdlet with the appropriate paths.

4. Deletes a file using the 'Remove-Item' cmdlet with the specified file path.

5. Deletes a directory and its contents using the 'Remove-Item' cmdlet with the specified directory path and the '-Recurse' parameter.

These tasks provide basic functionality for managing files and directories using PowerShell.