# Import & Export AD Passwords

## Export AD Usernames with Password Hash

This Export script pulls a list of Active Directory usernames along with their NT password hashes from your domain. It saves them into a CSV file, which you can use later for things like backups, migrations, or syncing accounts across environments. Just pop in your domain name and you're good to go!

On line 1, replace <DOMAIN NAME> with your Active Directory domain name. Example: school.internal

```
Get-ADReplAccount -All -Server "<DOMAIN NAME>" |
Select-Object SamAccountName, NTHash |
Export-Csv -Path "C:\Temp\ADExport.csv" -NoTypeInformation
```

## Import AD Password Hashes

This Import script takes that exported CSV and restores the password hashes back into Active Directory. It checks each user exists first, then applies the original password hash. Just make sure to update the domain name, and the script handles the rest. Handy if you have migrated users between different Active Directory domains and you want users to keep their same passwords.

On line 26, replace <DOMAIN NETBIOS NAME> to your Active Directory NetBIOS name. Example: school (without .internal)

```
# Path to your CSV file
$csvPath = "C:\Temp\ADExport.csv"

# Import the CSV
$users = Import-Csv -Path $csvPath

foreach ($user in $users) {
    $sam = $user.sAMAccountName
    $hash = $user.NTHash

    # Skip if hash is empty
    if ([string]::IsNullOrWhiteSpace($hash)) {
        Write-Verbose ("Skipping $sam (no NTHash)") -Verbose
```

```
        continue
    }

    # Check if account exists
    $exists = Get-ADUser -Filter { SamAccountName -eq $sam } -ErrorAction SilentlyContinue
    if ($null -eq $exists) {
        Write-Verbose ("Skipping $sam (account not found)") -Verbose
        continue
    }

    # Set the password hash
    try {
        Set-SamAccountPasswordHash -SamAccountName $sam -domain <DOMAIN NETBIOS NAME> -NTHash
$hash -Verbose
    } catch {
        $errMsg = $_.Exception.Message
        Write-Verbose -Message ("Failed to set hash for user '$sam'. Error: $errMsg") -Verbose
    }
}
```

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