

PowerShell: Using Secure String in scripts

First create a key which will be used to encrypt the plain text password

Create key

```
$Key = New-Object Byte[] 16 # You can use 16, 24, or 32 for AES
[Security.Cryptography.RNGCryptographyServiceProvder]::Create().GetBytes($Key)
$Key | out-file ".\key"
```

Now, use the key to save encrypted password to disk

Create password

```
param (
    [Parameter(Mandatory=$true)][string]$Password = $( Read-Host "Input
password, please" )
)
$Key = Get-Content ".\key"
$Password | ConvertTo-SecureString -AsPlainText -Force | ConvertFrom-
SecureString -Key $key | out-file ".\pwd"
```

And finally use the key to get the password from disk and create credentials with it.

Convert to credential

```
$Key = Get-Content ".\key"
$User = "CONTOSO\someuser"
$Pass = Get-Content ".\pwd"
$MyCredential = New-Object -TypeName
System.Management.Automation.PSCredential -ArgumentList $User, ($Pass |
ConvertTo-SecureString -Key $key)
```

Key is used so any user can decrypt the password. If no key is used, the string value produced is bound to the current users GUID

From:
<https://wiki.plecko.hr/> - **Eureka Moment**

Permanent link:
https://wiki.plecko.hr/doku.php?id=windows:scripting:ps_ss

Last update: **2019/10/31 09:06**



