

技術ノート KGTN 2016101903

現象

[Windows/PowerShell] PowerShell を使用して複数のリモートコンピューターにアカウントを作りたい。

説明

以下に、各リモートコンピューターにアカウントを作成するサンプルを示します。

```
$hostList = @("192.168.102.60", "192.168.102.72", "192.168.102.110")
$argUser = "wguser9012"
$argPass = "Pass.Word"

Function addUser ([string]$user, [string]$pass)
{
    # 共通
    [bool]$myError = $false
    $hostname = hostname

    # アカウント作成
    try
    {
        [ADSI]$Computer = "WinNT://$hostname,computer"
        $NewUser = $Computer.Create("User", $user)
        [void]$NewUser.SetPassword($pass)
        [void]$NewUser.SetInfo()
        Write-Host "addUser: Create = OK (" $hostname ")"
    }
    catch
    {
        $myError = $true
        Write-Host "addUser: Create = NG (" $hostname ")"
    }

    # RDS の利用設定
    if($myError -eq $false)
    {
        try
        {
            $Group = $Computer.GetObject("group", "Remote Desktop Users")
            [void]$Group.Add("WinNT://$hostname/$user")
            Write-Host "addUser: RDS = OK (" $hostname ")"
        }
        catch
        {
            $myError = $true
            Write-Host "addUser: RDS = NG (" $hostname ")"
        }
    }
}
```

```

# パスワード無期限設定
if($myError -eq $false)
{
    try
    {
        [ADSI]$UpdateUser = "WinNT://$hostname/$user, User"
        $UserFlags = $UpdateUser.Get("UserFlags")
        $UserFlags = $UserFlags -bor 0x10000
        [void]$UpdateUser.Put("UserFlags", $UserFlags)
        [void]$UpdateUser.SetInfo()
        Write-Host "addUser: Password/DontExpire = OK (" $hostname ")"
    }
    catch
    {
        $myError = $true
        Write-Host "addUser: Password/DontExpire = NG (" $hostname ")"
    }
}
}
# return [string]($hostname + ":" + $user + ":" + $pass + ":" + !$myError)
return "[0,-16], [1,-16], [2,-16], [3]" -f $hostname, $user, $pass, !$myError
}

$ii = 0
ForEach($target In $hostList)
{
    $ret = Invoke-Command $target -ScriptBlock ${function:addUser} -ArgumentList
    $argUser, $argPass
    ++$ii
    "[{0}] {1}" -f $ii, $ret
}
}

```