

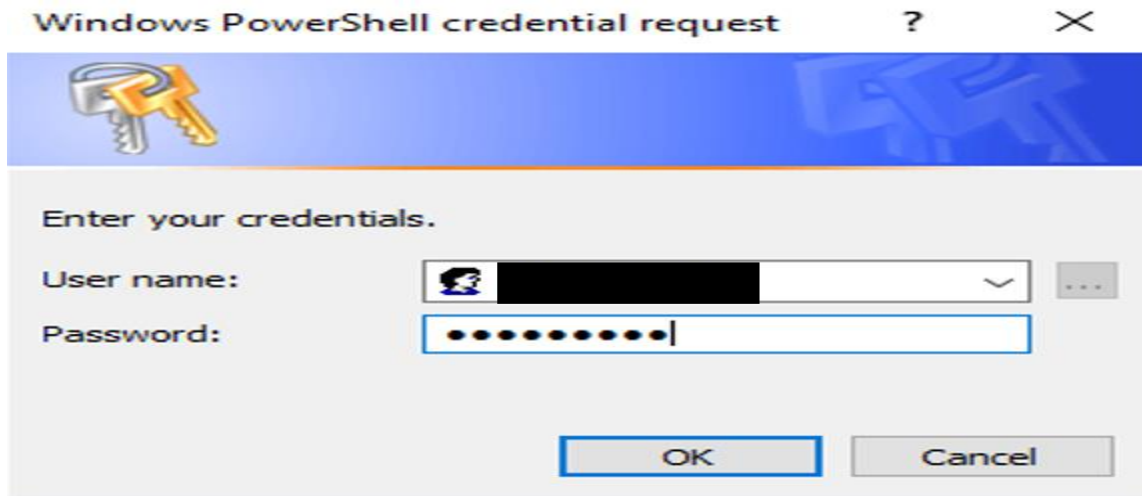
# Connecting to Exchange 2019 – Remote PowerShell

In this exercise, I will show you how to connect to Exchange Server 2019 (On Premises) from Windows 10 workstation.

Open PowerShell

Type `$Credentials = Get-Credential` and press enter

You will get a prompt to enter Admin credentials that has access to on premise Exchange Server 2019. Enter the details and click ok



Type `$Session = New-PSSession -ConfigurationName Microsoft.Exchange -ConnectionUri http://ex2019.ramlan.ca/PowerShell/ -Authentication Kerberos -Credential $Credentials`

Don't forget to replace **EX2019.RAMLAN.CA** with your Exchange Server FQDN

Type `Import-PSSession $Session`

When you type above command, it will download all the command that you can run from Remote workstation

```
Administrator: Windows PowerShell
Windows PowerShell
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PS C:\Users\Administrator> $Credentials = Get-Credential

cmdlet Get-Credential at command pipeline position 1
Supply values for the following parameters:
Credential
PS C:\Users\Administrator> $Session = New-PSSession -ConfigurationName Microsoft.Exchange -ConnectionUri http://ex2019.ramlan.ca/PowerShell/ -Authentication Kerberos -Credential $Credentials
PS C:\Users\Administrator> Import-PSSession $Session
WARNING: The names of some imported commands from the module 'tmp_m1oxg2ge.cwb' include unapproved verbs that might make them less discoverable. To find the commands with unapproved verbs, run the Import-Module command again with the Verbose parameter. For a list of approved verbs, type Get-Verb.

ModuleType Version Name ExportedCommands
-----
Script 1.0 tmp_m1oxg2ge.cwb {Add-ADPermission, Add-AvailabilityAddressSpace, Add-Conte...

PS C:\Users\Administrator>
```

Now we can run all Exchange Commands from the workstation.

**My main goal for performing this exercise is to find additional mailbox details that user has access. I don't want users to login and then open Control Panel – Mail – Email Accounts – Change – More Settings – Advanced to find out mailbox details.**

Here is an example.

```
PS C:\Users\Administrator> Get-Mailbox
Name                Alias                ServerName           ProhibitSendQuota
----                -
Administrator      Administrator        ex2019              Unlimited
Ram                 ram                 ex2019              Unlimited
Ex Admin           exadmin             ex2019              Unlimited
DiscoverySearchMailbox... DiscoverySearchMa... ex2019              50 GB (53,687,091,200 bytes)
Ram Lan            ramlan              ex2019              Unlimited
agpmsvc            agpmsvc             ex2019              Unlimited
Noor               noor                ex2019              Unlimited
Allan              allan                ex2019              Unlimited
Devon              devon                ex2019              Unlimited
```

If you want to get mailbox permission details for a user – this is the command

```
Get-Mailbox | Get-MailboxPermission -User 311019103
```

When you have done all the work it is always better to close remote session with the following command

```
Remove-PSSession $Session
```

This concludes remote connection to Exchange 2019 using PowerShell from Windows 10 workstation.

Thanks

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