

## Phone System configure instruction in PowerShell

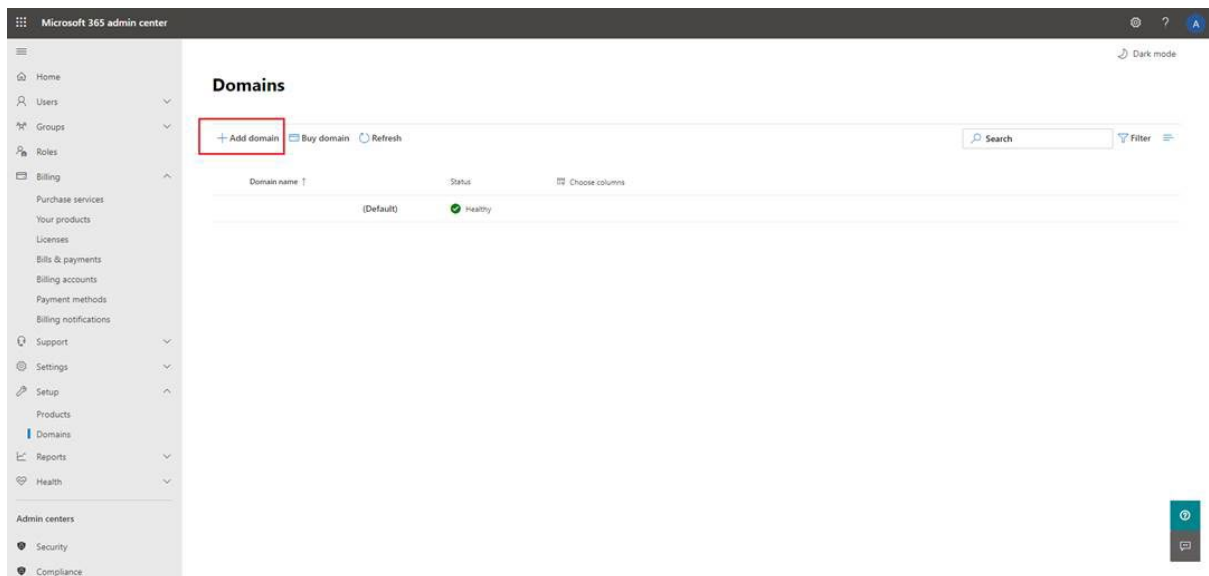
1. Create [sbc@xxxxxxxxxx.hkbnes365.com](mailto:sbc@xxxxxxxxxx.hkbnes365.com) and assign Phone System licenses for direct route provisioning. (phone system licenses should contain: **E5 (no teams) + Microsoft Teams Enterprise** OR **E3 / E1 / Business Std(no teams) + Microsoft Teams Phone Std + Microsoft Teams Enterprise**)

\* License in the sbc account can be removed after the first-time configuration. Not suggest using ADMIN to manage direct routing directly.

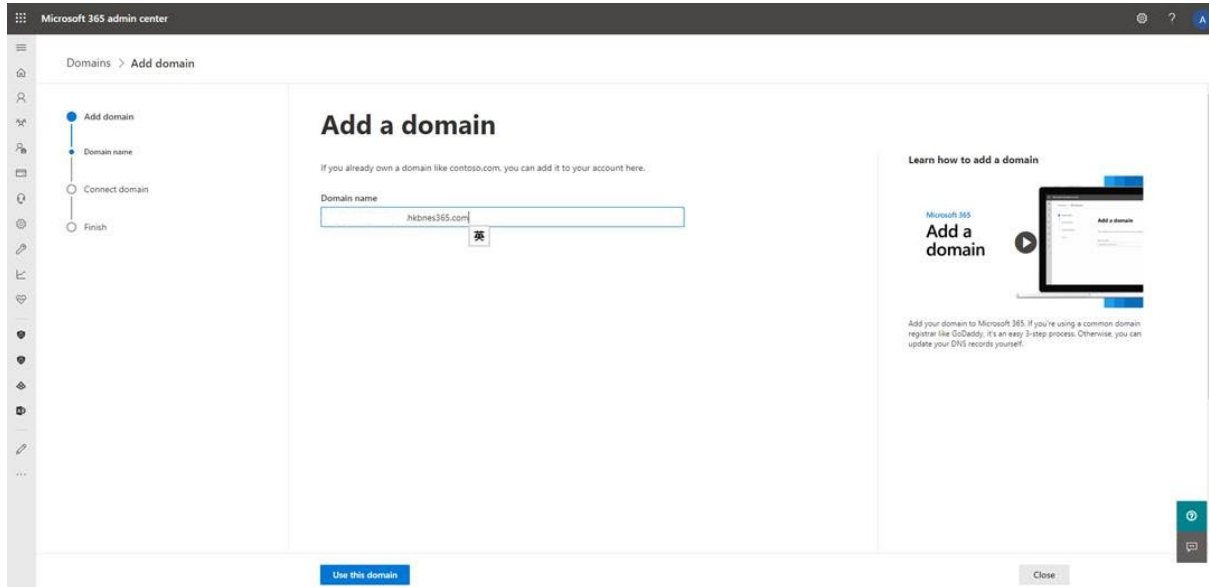


2. Please provide us the MS records by email following below procedures, in order for us to update DNS to finish setting up the domain into your o365 account.

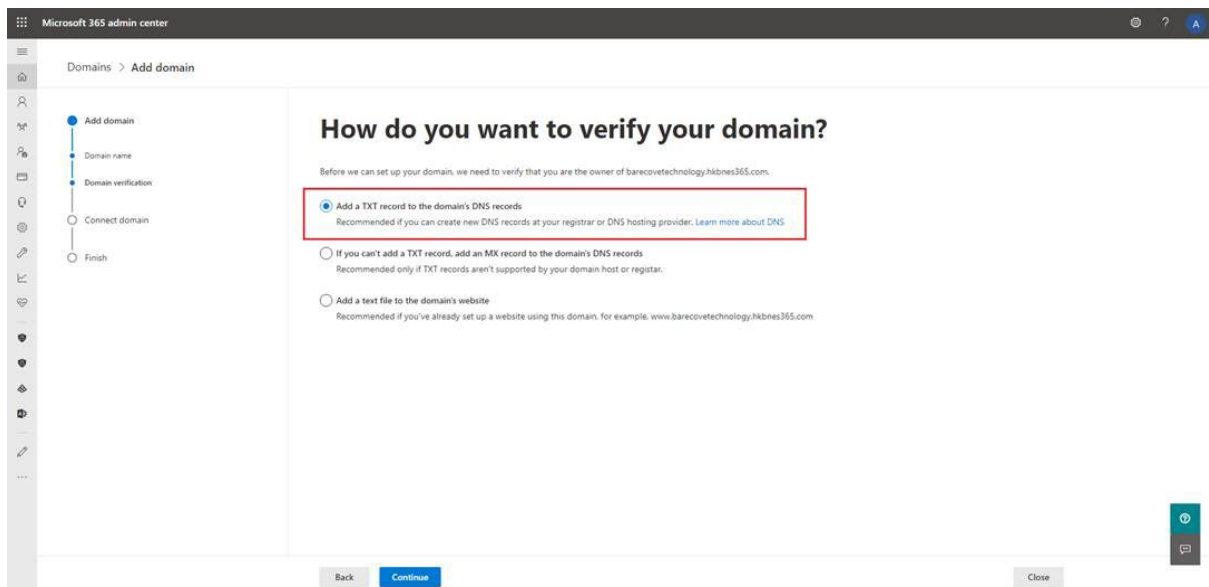
Step 1: click “add domain”



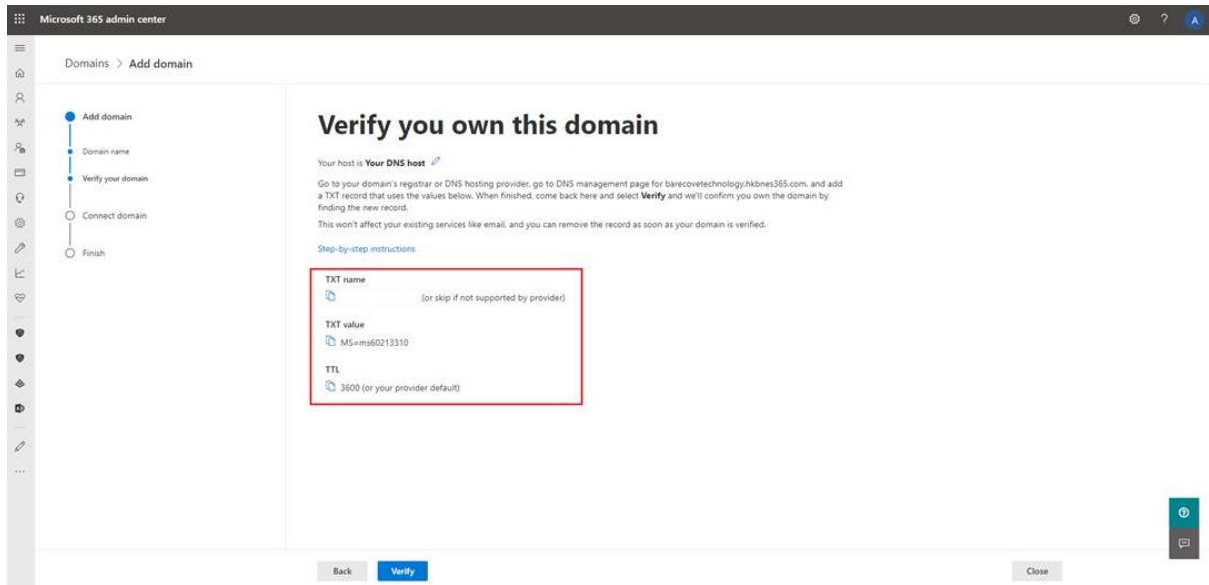
Step 2: input the domain “xxxxxxxxxx.hkbnes365.com” into blanket then click “use this domain”



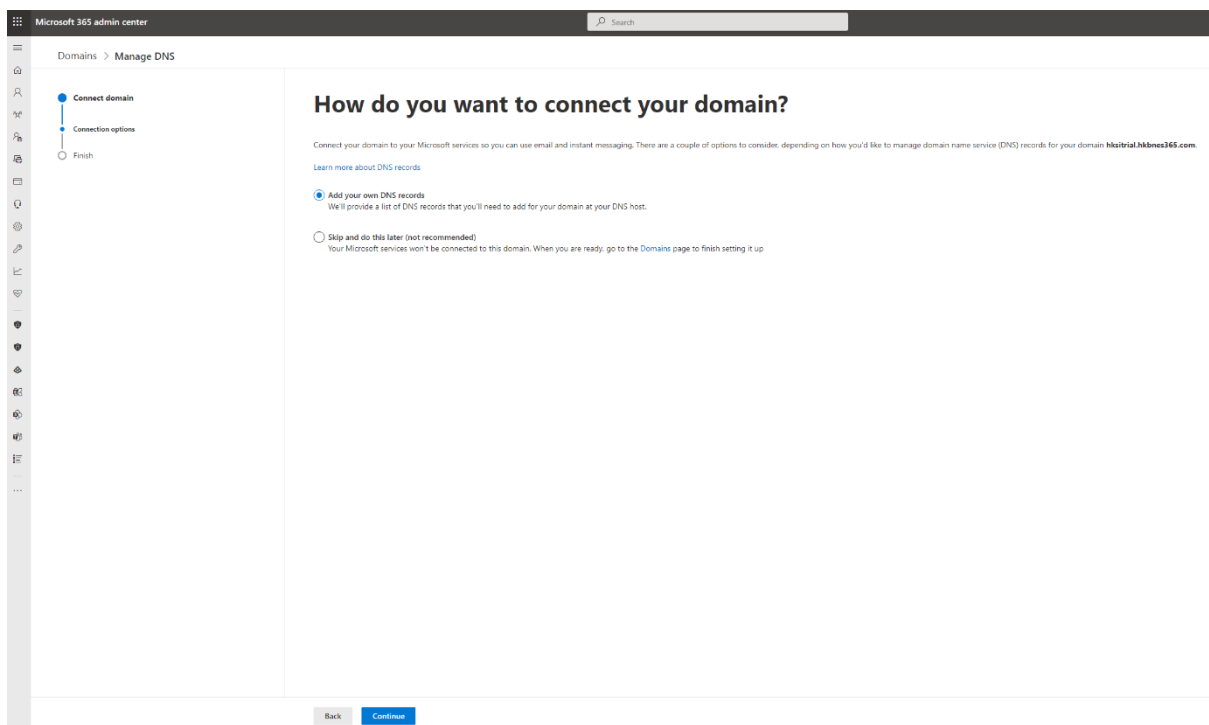
Step 3: choose “add a txt record to the domain’s DNS records” then continue



Step 4: Please provide us the below MS records highlighted in red area, we will inform you again after updated the record into the DNS, then you may continue verifying the domain.



Step 5: After you confirm we have updated the DNS record, you may continue verifying the domain as below.



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Domains > Manage DNS

Progress: Connect domain, Connection options, **Add DNS records**, Finish

## Add DNS records

To add these records for **.hkbnes365.com**, go to your DNS hosting provider: [Other](#)

To start routing email through Microsoft 365, select **Exchange and Exchange Online Protection**. Next, sign in to your domain host and add new DNS records that match the records shown here. Copy the values below and paste them into the new records at your domain host, or download or print the DNS record info to use as a reference. When you're finished, select **Continue**.

If you don't want to set up email, clear the selection and continue without adding DNS records for it.

[Download CSV file](#) [Download Zone file](#) [Print](#)

Exchange and Exchange Online Protection

Advanced Options

**Skype for Business**

Only select this option if your organization uses Skype for Business for online communication services like chat, conference calls, and video calls, in addition to Microsoft Teams. Skype needs 4 records: 2 SRV records for user-to-user communication, and 2 CNAME records to sign-in and connect users to the service.

> CNAME Records (2)

> SRV Records (2)

Intune and Mobile Device Management for Microsoft 365

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Progress: **Connect domain**, Finish

## Domain setup is complete

.hkbnes365.com is all set up and you can now view and manage it from your domains list. You can now go to **Active users** to add new users on this domain.

**Next steps**

[Go to Active users](#)

[View all domains](#)

Was it easy to add your domain?  Yes  No

[Done](#)

Once the sbc domain was setup completely, you may change the “sbc” ac you created with domain change to “xxxxxxxxxx.hkbnes365.com” and continue the call direct steps.

The SBC domain will be provided by HKBNES, which is for direct routing service only.

3. Assign Phone System license to user and type following PowerShell command. (Modify the item highlighted in yellow)


\* Please ensure every user account (including the sbc user account) should be assigned E5 (no teams) + Microsoft Teams Enterprise

OR

E3 / E1 / Business Std(no teams) + Microsoft Teams Phone Std+ Microsoft Teams Enterprise.

#### \*Run Windows PowerShell ISE as Administrator

1. Set-ExecutionPolicy (type “1” then press ENTER then type “A” then press ENTER)



```
PS C:\WINDOWS\system32> Set-ExecutionPolicy
Cmdlet Set-ExecutionPolicy 在命令管線位置 1
請提供下列參數的值:
ExecutionPolicy: 1
執行原則變更
執行原則有助於防範您不信任的指令碼。如果變更執行原則，可能會使您接觸到 about Execution_Policies 說明主題 (網址為
https://go.microsoft.com/fwlink/?LinkID=135170) 中所述的安全性風險。您要變更執行原則嗎?
[Y] 是(Y) [A] 全部皆是(A) [N] 否(N) [L] 全部皆否(L) [S] 暫停(S) [?] 說明 (預設值為 "N"): A
```

2. Set-ExecutionPolicy RemoteSigned (type “A” then press ENTER)



```
PS C:\WINDOWS\system32> Set-ExecutionPolicy RemoteSigned
執行原則變更
執行原則有助於防範您不信任的指令碼。如果變更執行原則，可能會使您接觸到 about Execution_Policies 說明主題 (網址為
https://go.microsoft.com/fwlink/?LinkID=135170) 中所述的安全性風險。您要變更執行原則嗎?
[Y] 是(Y) [A] 全部皆是(A) [N] 否(N) [L] 全部皆否(L) [S] 暫停(S) [?] 說明 (預設值為 "N"): A
```

3. Install-Module MicrosoftTeams ← optional (no need to input if you already installed the module)
4. Update-Module ← optional (no need to input if you confirm the module is update to date)
5. Import-Module MicrosoftTeams
6. Connect-MicrosoftTeams
7. New-CsOnlinePSTNGateway -Identity xxxxxxxxxxx.hkbnes365.com ← (press ENTER then input “signaling port no.” then press ENTER again) \*your signaling port no. is 6244
8. Set-CsOnlinePSTNGateway -Identity xxxxxxxxxxx.hkbnes365.com -Enabled \$true

9. Set-CsOnlinePSTNGateway -Identity xxxxxxxxxxx.hkbnes365.com -MaxConcurrentSessions 10
10. Set-CsOnlinePSTNGateway -Identity xxxxxxxxxxx.hkbnes365.com -ForwardCallHistory \$true
  
11. New-CsOnlineVoiceRoute -Identity "HKBN\_Route" -NumberPattern ".\*"
12. Set-CsOnlineVoiceRoute -Identity "HKBN\_Route" -OnlinePstnGatewayList  
xxxxxxxxxxx.hkbnes365.com
13. Set-CsOnlinePstnUsage -Identity Global -Usage @{Add="smarthkstpuat2"}
14. Set-CsOnlineVoiceRoute -Identity "HKBN\_Route" -Priority 1 -OnlinePstnUsages  
"smarthkstpuat2"
15. New-CsOnlineVoiceRoutingPolicy "HK Only" -OnlinePstnUsages "smarthkstpuat2"
  
16. Grant-CsOnlineVoiceRoutingPolicy -Identity username@dummy.com -PolicyName "HK Only"
17. Set-CsPhoneNumberAssignment -Identity username@dummy.com -PhoneNumber  
+852xxxxxxx -PhoneNumberType DirectRouting

(pls repeat step 16-17 if you have more than 1 user is required to assign phone no.)

**\*Pls check out below hyperlink provided by Microsoft when you need to change, or remove a phone number for user**

<https://docs.microsoft.com/en-us/microsoftteams/assign-change-or-remove-a-phone-number-for-a-user>