

# Generating Keys in 4 Steps



Using the Windows Command Prompt you can generate public/private rsa key pair



**Specify Where to Put the Key File** 



**Enter the Password for the Key if Required** 



Retrieve the Keys from the Path Specified in Step 2

## **Key Generation**



```
Command Prompt
                                                                                                            Microsoft Windows [Version 10.0.19045.3693]
(c) Microsoft Corporation. All rights reserved.
C:\Users\azaje>ssh-keygen -m PEM
```

#### **Key Generation:**

In the command prompt, type ssh-keygen -m PEM and press Enter. This will generate public/private rsa key pair.



## **Specify Key file Path**

```
Command Prompt - ssh-keygen -m PEM
                                                                                                           _ _
Microsoft Windows [Version 10.0.19045.3693]
(c) Microsoft Corporation. All rights reserved.
C:\Users\azaje>ssh-keygen -m PEM
Generating public/private rsa key pair.
Enter file in which to save the key (C:\Users\azaje/.ssh/id_rsa): C:\SFTPKeys\JohnSmith\id_rsa
```

#### **Specify Key File Path:**

Upon prompt, enter a file path (e.g., C:\SFTPKeys\JohnSmith\id\_rsa) and press Enter.



## **Enter Passphrase**



```
- □ ×
 Command Prompt - ssh-keygen -m PEM
Microsoft Windows [Version 10.0.19045.3693]
(c) Microsoft Corporation. All rights reserved.
C:\Users\azaje>ssh-keygen -m PEM
Generating public/private rsa key pair.
Enter file in which to save the key (C:\Users\azaje/.ssh/id_rsa): C:\SFTPKeys\JohnSmith\id_rsa
Enter passphrase (empty for no passphrase):
Enter same passphrase again: _
```

#### **Enter Passphrase:**

Enter a password when prompted, and press Enter. Confirm the password by entering it again and pressing Enter. If a password is not required, press Enter and confirm by pressing Enter again.



## **Acknowledge Key Creation**



```
Command Prompt
                                                                                                                Microsoft Windows [Version 10.0.19045.3693]
(c) Microsoft Corporation. All rights reserved.
C:\Users\azaje>ssh-keygen -m PEM
Generating public/private rsa key pair.
Enter file in which to save the key (C:\Users\azaje/.ssh/id_rsa): C:\SFTPKeys\JohnSmith\id_rsa
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in C:\SFTPKeys\JohnSmith\id rsa.
Your public key has been saved in C:\SFTPKeys\JohnSmith\id_rsa.pub.
The key fingerprint is:
SHA256:z90V6PMiny5884L5f3K9Mepj/mHh80nwMvoy9hrpTtk azaje@LAPTOP-J1TOKFMO
The key's randomart image is:
----[RSA 3072]----+
         0 .+.*..
          00=*X @
          0=#@BO+
  ---[SHA256]----+
C:\Users\azaje>
```

#### **Acknowledge Key Creation:**

Upon completion, you will receive messages indicating successful key creation.



# **Navigate to Key Directory**



id_rsa.pub	2023/11/22 09:02	PUB File	1

### **Navigate to Key Directory:**

Go to the specified directory where keys are stored (C:\SFTPKeys\JohnSmith). Ensure you have two keys:

- id\_rsa (keep secure)
- id\_rsa.pub (share as needed with Rebex)



### We Use Rebex:



## Rebex Connection: Your Quick Step-by-Step Guide









**Virtual Path Setting** 



**SSH Settings** 

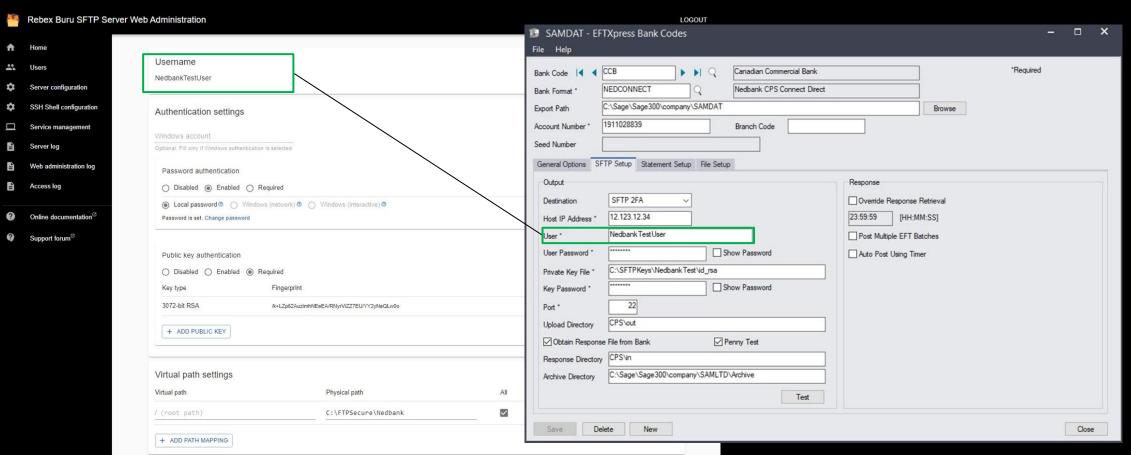


**Update User** 



### **Username**



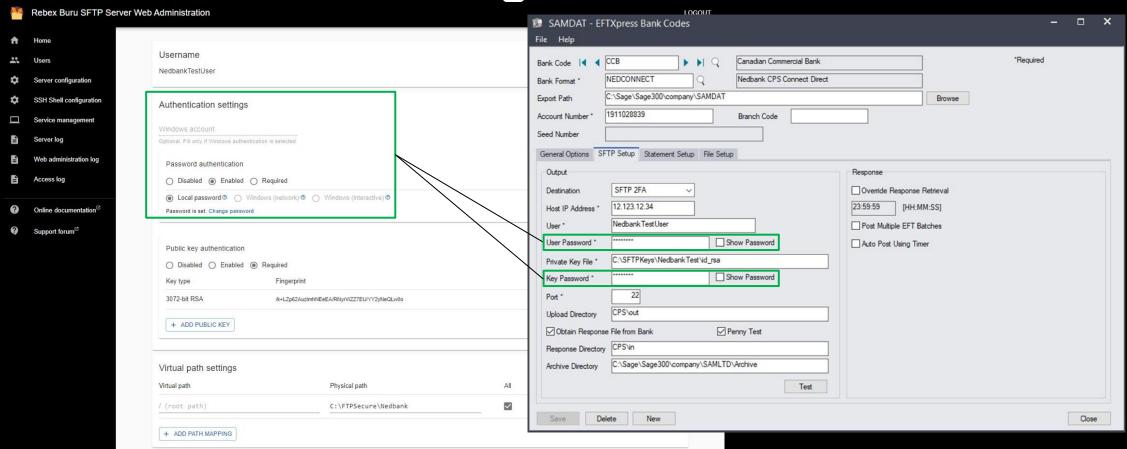


#### **Username**

This is your SFTP Connection Username.



## **Authentication Settings**



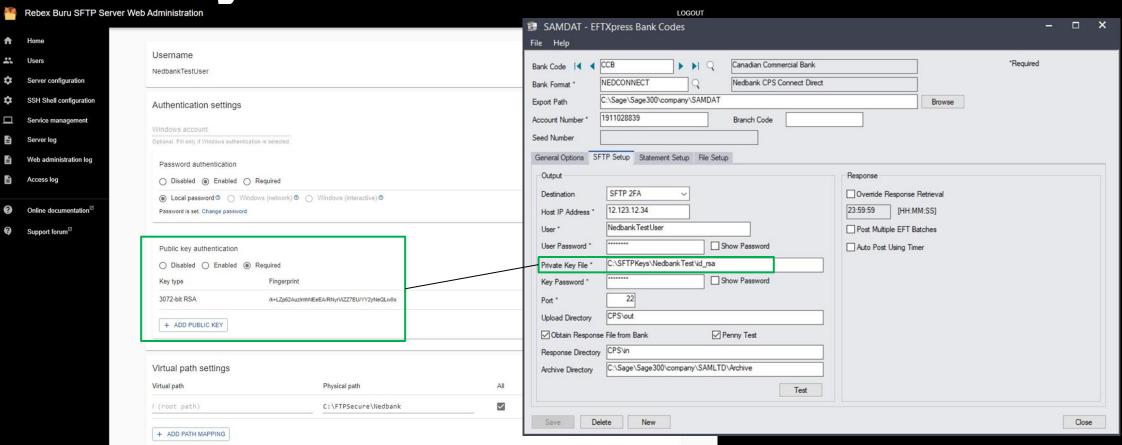
### **Authentication Settings**

- Enabled/Disabled: Option to enable or disable password authentication for the user.
- Required: This means that the password is required. This is the option you select when setting up 2FA.
- Local Password: This is the password associated with the user account for authentication when connecting to the server.



**Public Key Authentication** 



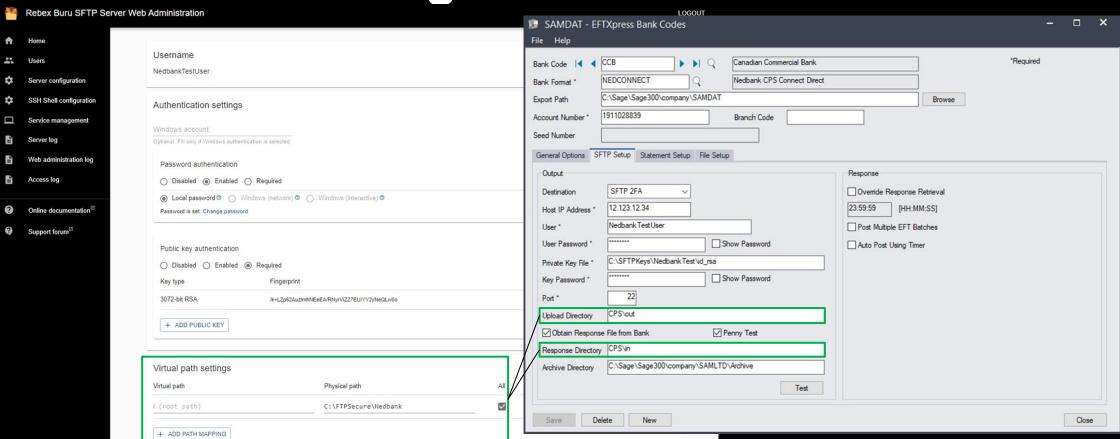


### **Public key Authentication**

- Enabled/Disabled: Option to enable or disable public key authentication for the user.
- Required: This means that the password is required. This is the option you select when setting up 2FA.
- Add Public Key: Select Add public key to incorporate the key generated using the command prompt.



### Virtual Path Settings



### **Virtual Path Settings**

- · Virtual Path: The virtual directory path for the user
- Physical Path: The corresponding physical directory path on the server.
- Add Path Mapping: Allows administrators to create a mapping between a user-visible virtual directory and the corresponding physical directory on the server.



## **Authorization Settings**



+ ADD PATH MAPPING						
Authorization settings						
✓ Web administration access						
SSH shell settings						
Default - use configuration default (Non	ne)					
No shell - only minimal shell required for	or SCP (if enabled) will be available.					
Terminal - shell process (e.g. cmd exe	or SCP (if enabled) will be available. or PowerShell) will be used to host the shell.SYSTEM service a	account is not allowed to	spawn term	inal proces	s. Override	this in <u>SSH shell</u>
Terminal - shell process (e.g. cmd.exe of settings.	or PowerShell) will be used to host the shell.SYSTEM service a	occount is not allowed to	spawn term	inal proces	s. Override	this in <u>SSH shell</u>
Terminal - shell process (e.g. cmd.exe of settings.  Legacy - minimal shell with support for settings.	or PowerShell) will be used to host the shell.SYSTEM service a	occount is not allowed to	spawn term	inal proces	s. Override	this in <u>SSH shell</u>
Terminal - shell process (e.g. cmd.exe	or PowerShell) will be used to host the shell. SYSTEM service a SSH aliases will be available.	occount is not allowed to	spawn term	inal proces	s. Override	this in <u>SSH shell</u>
Terminal - shell process (e.g. cmd.exe of settings)  Legacy - minimal shell with support for settings	or PowerShell) will be used to host the shell. SYSTEM service a SSH aliases will be available.	account is not allowed to	spawn term	inal proces	s. Override	this in <u>SSH shell</u>
Terminal - shell process (e.g. cmd.exe osettings Legacy - minimal shell with support for shell path Path to shell executable (e.g. cmd.exe, powershell)	or PowerShell) will be used to host the shell. SYSTEM service a SSH aliases will be available.	account is not allowed to	spawn term	inal proces	s. Override	this in <u>SSH shell</u>
Terminal - shell process (e.g. cmd.exe osettings Legacy - minimal shell with support for shell path Path to shell executable (e.g. cmd.exe, powershell) Home directory	or PowerShell) will be used to host the shell. SYSTEM service a SSH aliases will be available.	account is not allowed to	spawn term	inal proces	s. Override	this in <u>SSH</u> shell
Terminal - shell process (e.g. cmd.exe settings  Legacy - minimal shell with support for shell path	or PowerShell) will be used to host the shell. SYSTEM service a SSH aliases will be available.	account is not allowed to	spawn term	inal proces	s. Override	this in SSH

### **Authorization Settings**

- Ensure your Administrator User has Web administration access
- SSH Shell Settings must be set to default



# **Update User**



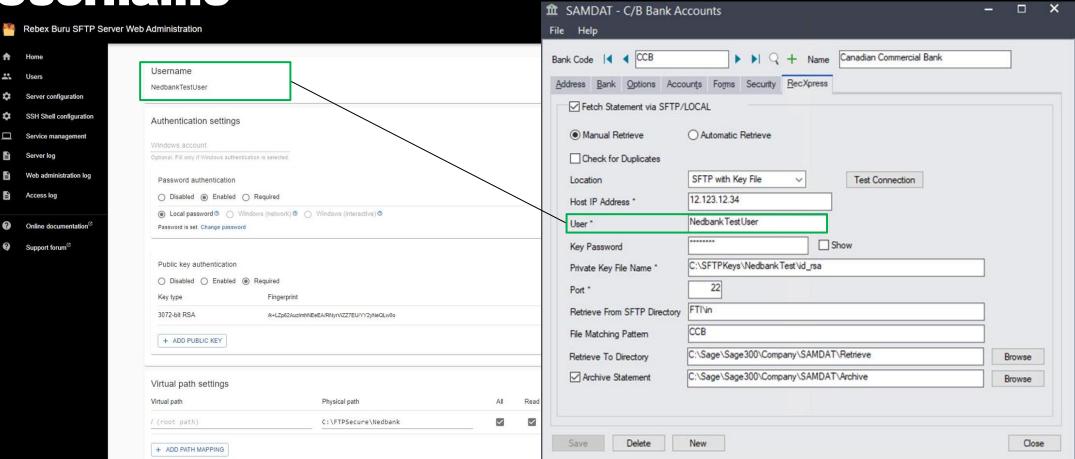
Authorization settings						
Web administration access						
SSH shell settings						
Default - use configuration defau	ult (None)					
No shell - only minimal shell requ	uired for SCP (if enabled) will be available.					
Terminal - shell process (e.g. cm settings.	nd.exe or PowerShell) will be used to host the shell.SYSTEM service ac	count is not allowed to	spawn term	inal proces	s. Override	this in SSH shell
settings	nd.exe or PowerShell) will be used to host the shell SYSTEM service ac port for SSH aliases <sup>62</sup> will be available.	count is not allowed to	spawn term	inal proces	s. Override	this in SSH shell
settings.		count is not allowed to	spawn term	inal proces	s. Override	this in <u>SSH shell</u>
settings  Legacy - minimal shell with supp	oort for SSH aliases <sup>Ø</sup> will be available.	count is not allowed to	spawn term	inal proces	s. Override	this in SSH shell
settings  Legacy - minimal shell with supp  Shell path	oort for SSH aliases <sup>Ø</sup> will be available.	count is not allowed to	spawn term	inal proces	s. Override	this in <u>SSH shell</u>
Settings  Legacy - minimal shell with supp  Shell path  ath to shell executable (e.g. cmd.exe, pr	oort for SSH aliases <sup>®</sup> will be available.	count is not allowed to	spawn term	inal proces	s. Override	this in <u>SSH shell</u>

### **Select Update User**

• Select Update User to save and update the user settings.



### **Username**

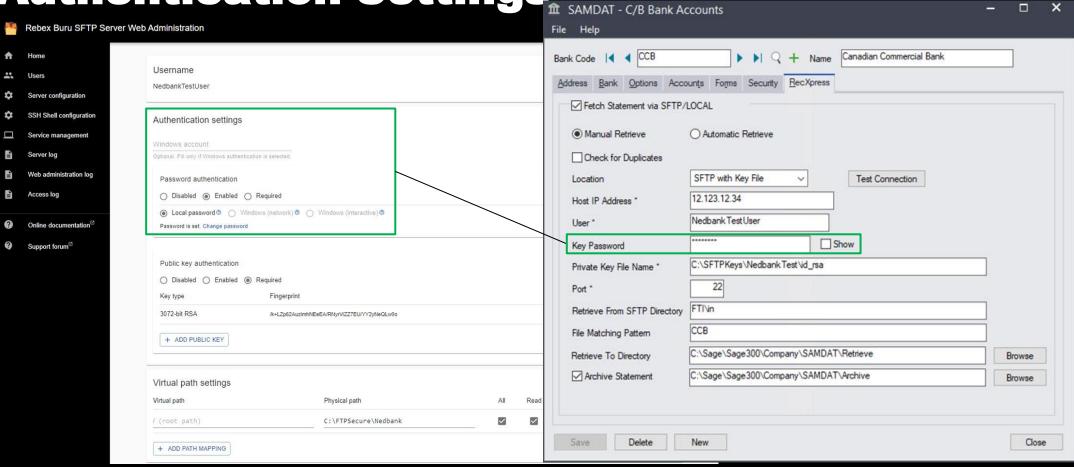


#### **Username**

This is your SFTP Connection Username.



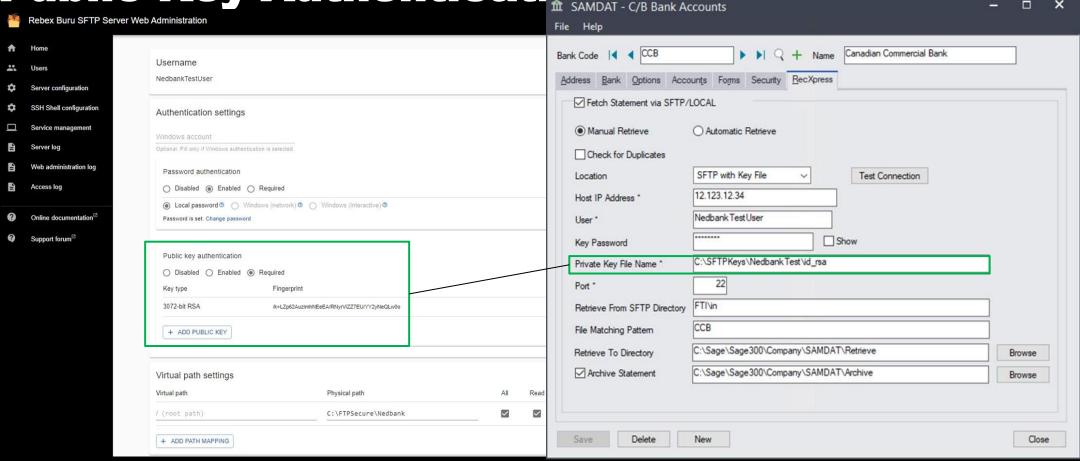
**Authentication Settings** 



### **Authentication Settings**

- Enabled/Disabled: Option to enable or disable password authentication for the user.
- Required: This means that the password is required. This is the option you select when setting up 2FA.
- Local Password: This is the password associated with the user account for authentication when connecting to the server.

[3]

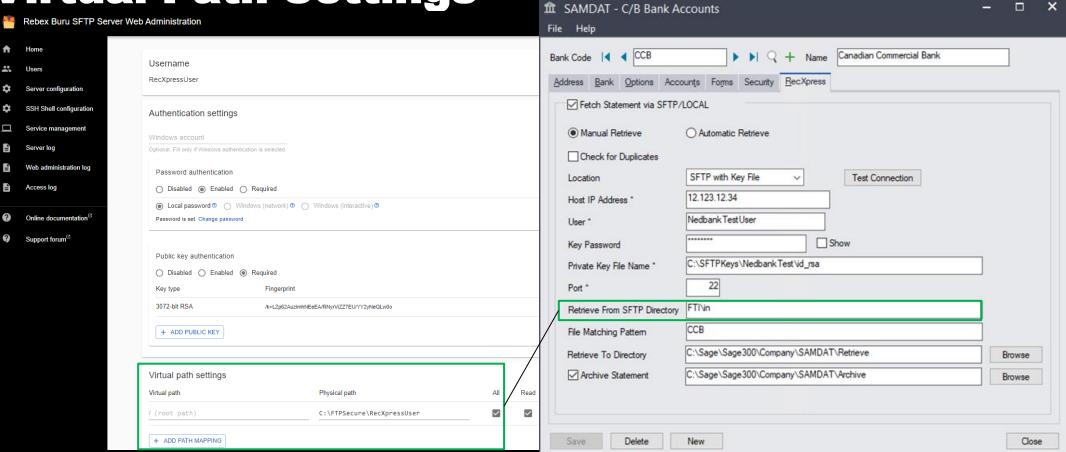


### **Public key Authentication**

- Enabled/Disabled: Option to enable or disable public key authentication for the user.
- **Required:** This means that the password is required. This is the option you select when setting up 2FA.
- Add Public Key: Select Add public key to incorporate the key generated using the command prompt.



Virtual Path Settings



### **Virtual Path Settings**

- · Virtual Path: The virtual directory path for the user
- Physical Path: The corresponding physical directory path on the server.
- Add Path Mapping: Allows administrators to create a mapping between a user-visible virtual directory and the corresponding
  physical directory on the server.

## **Authorization Settings**



/ (root path)		All	Read	Write	Delete	
	C:\FTPSecure\RecXpressUser	$\checkmark$	$\checkmark$	$\checkmark$	<b>~</b>	î
+ ADD PATH MAPPING						
Authorization settings						
Web administration access						
SSH shell settings						
Default - use configuration default (None	)					
No shell - only minimal shell required for						
Terminal - shell process (e.g. cmd.exe or	PowerShell) will be used to host the shell.SYSTEM service	account is not allowed to	spawn term	inal proces	ss. Override	this in SSH shell
settings.  Legacy - minimal shell with support for S.	SH aliases <sup>2</sup> will be available					
	orrandos vini de avalidade.					
Shell path  Path to shell executable (e.g. cmd.exe, powershell.	exe).					
Homo directory						
Home directory  Directory where the shell will be launched from.						
Directory where the shell will be launched from.						

### **Authorization Settings**

- Ensure your Administrator User has Web administration access
- SSH Shell Settings must be set to default



# **Update User**



				_	_	_	_	_	
/ (root path)		C:\FTPSecure\RecXpress	User	<b>~</b>	<b>~</b>	$\checkmark$	$\checkmark$		
+ ADD PATH MAPPING									
Authorization settings									
Web administration access									
SSH shell settings									
Default - use configuration def	ault (None)								
Dordan des sonnigaration des	aut (None)								
No shell - only minimal shell re		ed) will be available.							
No shell - only minimal shell re	equired for SCP (if enable	ed) will be available. will be used to host the shell.SYS	TEM service account is not a	allowed to	spawn term	inal proces	s. Override	this in <u>SS</u>	<u>H shell</u>
No shell - only minimal shell re	equired for SCP (if enable	will be used to host the shell.SYS	TEM service account is not a	allowed to	spawn term	inal proces	s. Override	this in <u>SS</u>	H shell
No shell - only minimal shell re Terminal - shell process (e.g. o	equired for SCP (if enable	will be used to host the shell.SYS	TEM service account is not a	illowed to	spawn term	inal proces	s. Override	this in <u>SS</u>	H shell
No shell - only minimal shell re Terminal - shell process (e.g. osettings. Legacy - minimal shell with su	equired for SCP (if enable cmd.exe or PowerShell) v pport for SSH aliases <sup>12</sup> v	will be used to host the shell.SYS	TEM service account is not a	illowed to	spawn term	inal proces	s. Override	this in SS	H shell
No shell - only minimal shell re Terminal - shell process (e.g. of settings.) Legacy - minimal shell with su Shell path	equired for SCP (if enable cmd.exe or PowerShell) v pport for SSH aliases <sup>12</sup> v	will be used to host the shell.SYS	TEM service account is not a	tillowed to	spawn term	inal proces	s. Override	this in SS	H shell
No shell - only minimal shell reconstruction Terminal - shell process (e.g. settings. Legacy - minimal shell with su Shell path Path to shell executable (e.g. cmd.exe.)	equired for SCP (if enable cmd.exe or PowerShell) v poort for SSH aliases <sup>12</sup> v powershell.exe).	will be used to host the shell.SYS	TEM service account is not a	illowed to s	spawn term	inal proces	s. Override	this in <u>SS</u>	H shell
No shell - only minimal shell reconstructions.  Terminal - shell process (e.g. of settings.)  Legacy - minimal shell with sure shell path  Path to shell executable (e.g. cmd.exe.)  Home directory	equired for SCP (if enable cmd.exe or PowerShell) v poort for SSH aliases <sup>12</sup> v powershell.exe).	will be used to host the shell.SYS	TEM service account is not a	illowed to :	spawn term	inal proces	s. Override	this in SS	H shell

### **Select Update User**

• Select Update User to save and update the user settings.





Thank you!