Unable to add server using putty private key key pair. How to convert PPK file OpenSSH format

74 admin November 22, 2024 Common Errors & Troubleshooting 12117

Issue with Adding Servers Using Putty Generated Private Key Pair (PPK)

Overview: This article describes how to convert Putty-generated private key pairs (.ppk) to OpenSSH format for compatibility with Ezeelogin and other systems.

The putty key is currently not supported in Ezeelogin. You have to convert it to OpenSSH format.

To convert to OpenSSH format, you can use PuttyGen.

Step 1: Download and Install PuttyGen

- Visit <u>http://www.chiark.greenend.org.uk/~sgtatham/putty/download.html</u> and download PuttyGen.
- Install PuttyGen on your system.

Step 2: Open PuttyGen and Load Your .ppk File

- Launch PuTTYgen.
- Click on "Load" under Actions.
- Navigate to your .ppk file and select it.

PuTTY Key Generator

ile Key Con	versions Help		
Key			
Public key for pa	asting into OpenSSH auth	norized_keys file:	
NHy6N4Z451v LcoJt8VZldn1k	lyc2EAAAABJQAAAQEA NUJm/mwSAv9c4vFeVD 27V1xDB+ev9LAFsN0J9 E5crQFgqpqvudEn9leV6)vIPPJjATizfcO77dzUQg iN366cAWM5feaxMcYR	1mPobSA559mWYpQ A9GCHLipaA0eY5m
Key fingerprint:	ssh-rsa 2048 d9:0	63:a3:3c:0a:a7:ee:c8:5d:	57:5a:e5:b4:65:98:14
Key comment:	rsa-key-2018080	9	
Key passphrase	e -		
Confirm passphr	rase:		
Actions			
Generate a pub	lic/private key pair		Generate
Load an existing	g private key file		Load
Save the genera	ated key	Save public key	Save private key
Parameters			
Type of key to g		ECDSA 🔘 ED255	19 🔿 SSH-1 (RSA)
Number of bits in	n a generated key:		2048

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• Click "Open" to load the file.

PuTTY Key Generator File Key Conversions Help Key Public key for pasting into OpenSSH	authorized keys file:	? ×					
Coad private key:							×
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File name	newkry1			~	PuTTY Private Key Fil	es (*.ppk)	\sim
					Open 🔫	Cancel	

Step 3: Export the Key in OpenSSH Format.

- Once the key is loaded in PuTTYgen.Go to Conversions in the top menu.
- Choose Export > OpenSSH Key.

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File Key	Conversion	is the						
Key	Impo	rt key						
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AAAAB3	Export	t OpenSSH	key (force	new fi	le format)		xbK75v9 mWYpQ	
LcoJt8V								~
Key finger	print:	ssh-rsa 204	8 d9:63:a3	:3c:0a:a	7:ee:c8:5d:57:5	a:e5:b4:	65:98:14	
Key comm	nent:	rsa-key-201	80809					
Key passp	ohrase:							
Confirm pa	assphrase:							
Actions								
Generate	a public/priva	ate key pair			[Ge	enerate	
Load an e	xisting private	e key file			I	l	Load	
Save the	generated ke	у		Save	public key	Save p	private ke	у
Parameter	s							
Type of ke RSA	ey to generate			A	O ED25519	0	SH-1 (RS	iA)
Number of	f bits in a gen	erated key:				204	8	

Step 4: Confirm Export Without Passphrase

• PuTTYgen may warn you about saving the key without a passphrase. Click "Yes" to proceed.

😴 PuTTY Key Generator

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le Key Conv	rsions Help	
Key		
Public key for pa	ing into OpenSSH authorized_keys file:	
NHy6N4Z451v LcoJt8VZldn1k2	2EAAAABJQAAAQEA18Pw2Zi7Bk/ISqUAsgNQ7/tZggsE3KxbK75v9 JJm/mwSAv9c4vFeVDvIPPJjATizfcO77dzUQg1mPobSA559mWYpQ 7V1xDB+ev9LAFsN0J9iN366cAWM5feaxMcYRA9GCHLipaA0eY5m crQFgqpqvudEn9leV6KMf06p3t0zBoeQ1iSnjez3Y131ZpnkDgJ51QT	^
Key fingerprint:	uTTYgen Warning × 1:65:98:14	
Key comment:		
Key passphrase	Are you sure you want to save this key	
Confirm passphr	without a passphrase to protect it?	
Actions		
Generate a publ	Yes No ienerate	
Load an existing	rivate key file Load	
Save the genera	ed key Save public key Save private key	
Parameters		
Type of key to ge RSA	nerate: ODSA OECDSA OED25519 OSSH-1 (RS/	A)
Number of bits in		

Step 5: Name and Save the Key

- Name the file as desired and add the .pem extension (e.g., mykey.em).
- Choose the location where you want to save the file.

PuTTY Key Generator			? X	-		-	A REAL PROPERTY.
e Key Conversions Help							
Key					- 1		
Public key for pasting into OpenSSH	authorized_keys file:				and the same		
ssh-rsa 😴 Save private key as:							
B Save private key as:							
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🧊 3D Objects	m						
📃 Desktop							
🖶 Documents 🗡							
File name: sshkey.p	em 🚽						
Save as type: All Files (*.*)						

Step 6: Convert Using Command Line (Unix/Linux)

- If you prefer using the command line on Unix/Linux:
 - $\circ\,$ Install PuTTY tools if not already installed:

RPM-based (CentOS):

root@desktop:\$ sudo yum install putty

Dpkg-based (Ubuntu/Debian):

root@desktop:\$ sudo apt-get install putty-tools

• Convert the **.ppk** file to **.pem** format using puttygen.

root@desktop:\$ sudo puttygen ppkkey.ppk -O private-openssh -o pemkey.pem

Related Articles:

Connection was closed by the remote host in Putty.

Connect Jumpserver using putty.

Prevent the putty window from closing during ssh.

Online URL:

https://www.ezeelogin.com/kb/article/unable-to-add-server-using-putty-private-key-key-pair-how-toconvert-ppk-file-openssh-format-74.html