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 11174

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

le Key Convers	ons Help			
Key				
Public key for pastin	g into OpenSSH authorized_keys file:			
ssh-rsa AAAAB3NzaC1yc2 NHy6N4Z451vNUJ LcoJt8VZldn1k27V +twAb8wzw0+E5cr	EAAAABJQAAAQEA18Pw2Zi7Bk/ISqUAsgN m/mwSAv9c4vFeVDvIPPJjATizfcO77dzUQo 1xDB+ev9LAFsN0J9iN366cAWM5feaxMcYI QFgqpqvudEn9leV6KMf06p3t0zBoeQ1iSnje	IQ7/tZggsE3KxbK75v9 g1mPobSA559mWYpQ RA9GCHLipaA0eY5m z3Y131ZpnkDgJ51QT ✓		
Key fingerprint:	Key fingerprint: ssh-rsa 2048 d9:63:a3:3c:0a:a7:ee:c8:5d:57:5			
Key comment:	Key comment: rsa-key-20180809			
Key passphrase:				
Confirm passphrase:				
Actions				
Generate a public/p	ivate key pair	Generate		
Load an existing priv	ate key file	Load		
Save the generated	key Save public key	y Save private key		
Parameters				
Type of key to gene RSA	rate:) DSA O ECDSA O ED25	519 🔿 SSH-1 (RSA)		
Number of bits in a g	enerated 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:	? X	20				
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File name	newkry1			~	PuTTY Private Key File	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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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	rsa-key-20180809						
Key passp	ohrase:								
Confirm pa	assphrase:								
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Save the	generated ke	У		Save	e public key	Save p	orivate ke	у	
Parameter	8								
Type of ke RSA	ey to generate	e:)SA		6A	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.

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File Key Conversions Help
Key
Public key for pasting into OpenSSH authorized_keys file:
ssh-rsa AAAAB3NzaC1yc2EAAAABJQAAAQEA18Pw2Zi7Bk/ISqUAsgNQ7/tZggsE3KxbK75v9 NHy6N4Z451vNUJm/mwSAv9c4vFeVDvIPPJjATizfcO77dzUQg1mPobSA559mWYpQ LcoJt8VZIdn1k27V1xDB+ev9LAFsN0J9iN366cAWM5feaxMcYRA9GCHLipaA0eY5m +twAb8wzw0+E5crQFgqpqvudEn9IeV6KMf06p3t0zBoeQ1iSnjez3Y131ZpnkDgJ51QT <
Key fingerprint: DUTTVeen Wenning
Key comment:
Are you sure you want to save this key without a passphrase to protect it?
Confirm passphr
Actions
Generate a publ Yes No ienerate
Load an existing private key file Load
Save the generated key Save public key Save private key
Parameters
Type of key to generate: RSA O DSA O ECDSA O ED25519 O SSH-1 (RSA)
Number of bits in a generated key: 2048

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	-				
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File name: sshkey.per	m 🚽 —							
Save as type: All Files (*.*	*)							
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Step 6: Convert Using Command Line (Unix/Linux)

If you prefer using the command line on Unix/Linux:
 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