D-Link

How to login D-Link Switch via SSH_Public Authmode

- Add a admin user account in Switch.
 create account admin admin
 Enter a case-sensitive new password:admin
 Enter the new password again for confirmation:admin
- 2. Setup and Enable SSH function in Switch.

config ssh server maxsession 8 config ssh server contimeout 120 config ssh server authfail 2 config ssh server rekey never config ssh user admin authmode publickey enable ssh

3. Use Puttygen.exe to generates private and public keys.

PuTTY Key Generat	or		X
File Key Conversions	Help		
Key No key.			
Actions Generate a public/private k	.ey pair	[Generate
Load an existing private ke	y file		Load
Save the generated key		Save public key	Save private key
Parameters			
Type of key to generate: SSH-1 (RSA)	💿 SSH-2 RSA	⊖ ss⊦	I-2 DSA
Number of bits in a generat	ed key:		1024

🚰 PuTTY Key 🤇	Generator		
File Key Conv	ersions Help		
Kev			
Please generate	some randomness	by moving the mouse over the blank a	area.
Actions			
Generate a publ	ic/private key pair		
			Generate
Load an existing	ı private key file		Generate Load
Load an existing Save the genera) private key file ated key	Save public key	Generate Load
Load an existing Save the genera Parameters) private key file ated key	Save public key	Generate Load
Load an existing Save the genera Parameters Type of key to g) private key file ated key jenerate:	Save public key Save Save Save Save Save Save Save Save	Generate Load Gave private key

😴 PuTTY Key Gen	erator 🔰		
File Key Conversio	ns Help		
_ Key			
Public key for pasting	into OpenSSH authorized_keys file:		
ssh-rsa AAAAB3NzaC1yc2E/ AcSnwBcL7ZJsCqir0 EtjYPyvAaUaUFzF37 /FKR8= rsa-key-2005	AAAABJQAAAIEAwZ7n9MnASB+qdmeSipiyQ+ycvhDRrFw1x/UJ 3F+Uo3CbeZ7k6wG9NwcRLqraQ69L0dyV9NMIThqrxtVNewsKs r2XrufReGKecvibGU2EQFn9UKUgmwY5RqWkLSTTECTQgvcre 91008		
Key fingerprint: ssh-rsa 1024 7e:17:78:ce:ff:52:bd:e2:53:57:70:b0:26:05:c3:e			
Key comment:	rsa-key-20091008		
Key passphrase:	•••• test		
Confirm passphrase:	•••• test		
Actions			
Generate a public/priv	vate key pair Generate		
Load an existing priva	te key file Load		
Save the generated k	ey Save public key Save private key		
Parameters			
Type of key to genera OSSH-1 (RSA)	ite:		
Number of bits in a ge	nerated key: 1024		

🕏 PuTTY Key Generator 🛛 🔀	Save public key as:	? 🔀
File Key Conversions Help	Save in: 🞯 Desktop	🖌 🧿 🕸 📂 🛄•
Public key for pasting into OpenSSH authorized_keys file: sshrsa AAAAB3NzaC1yc2EAAAABJQAAAIEAwZ7n9MnASB+qdmeSipiyQ+ycvhDRiFw1x/UJ AcSnwBc1,ZJsC2qit03F+Uc3Cbez7K6wG9NwcRLqra069L0dyV9NMIThqrxtVNewsKs EtiYPywAaJJaUFz737xiufReGKecvibGU2EQFn9UKUgmwY5RqVkLSTTECTQgvcre /FKR8= rsa-key-20091008	My Recent Documents	config(0602211558). dgs-3426-lacp.pcap m)DSR-1000_A1_Exterr m)How to login D-Link S
Key fingerprint ssh-rsa 1024 7e:17:78:ce:ff:52:bd:e2:53:57:70:b0:26:05:c3:e9 Key comment: rsa-key-20091008	Desktop	™IMEmber case.docx
Key passphrase:	3528-lacp.pcap Jbackup-20090918(09222219 China Con-call.docx	22).pkg Since Provide Alexandric Stress (22).pkg Since Provide Alexandri Stress (22).pkg Since Provide Alexandric Stres
Actions Generate a sublic /srivate key pair	My Documents	 putty-public_key.ppk route_print_vista.jpg
Load an existing private key file Save the generated key Save public key Save private key	My Computer File name: pub_v2.ppk	Save
Parameters Type of key to generate: SSH-1 (IRSA) O SSH-2 RSA O SSH-2 DSA	Save as type: All Files (".") My Network	Cancel
Number of bits in a generated key: 1024		

😴 PuTTY Key Gene	rator	×	Save private k	ey as:	? 🗙
File Key Conversion Key Public key for pasting sshr-sa AAAAB 3NzaC1yu2E4 AcSnwBcL7ZJsCqi0 EttYPyvAdU4UE737 /FKR8= rsa-key-2005 Key fingerprint: Key comment: Key passphrase: Confirm passphrase: Actions Generate a public/print	Into OpenSSH authorized_keys file: AAABJQAAAIEAwZ7n9MnAS8+qdmeSipiy0+ycvhDRifFw1x/UU AAABJQAAAIEAwZ7n9MnAS8+qdmeSipiy0+ycvhDRifFw1x/UU SF-Uo3CbeZ7k6wG9NwcRLqra069L0dyV9NMIThqrxtVNewsKs ZXruRe6K ecvibGU2EQFn9UKUgmwYSRqWkLSTTECTQgvcre 1008 ssh-rsa 1024 7e:17:78:ce:ff:52:bd:e2:53:57:70:b0:26:05:c3:e9 rsa-key-20091008 eeee atte key pair Generate		Save private k Save in: My Recent Documents Desktop My Documents	Computer pub_v2_pri.ppk My Computer putty-private_key.ppk My Network Places putty-public_key.ppk Computer putty-public_key.ppk Computer putty-private_key.ppk Computer putty-public_key.ppk Computer putty-p	
Load an existing priva Save the generated k Parameters Type of key to genera O SSH-1 (RSA) Number of bits in a ge	te key file Load ey Save public key Save private key te: • SSH-2 RSA SSH-2 DSA nerated key: 1024		My Computer	File name: pub_v2_pri.ppk Save as type: PuTTY Private Key Files (*.ppk)	Save Cancel

4. Enable Putty.exe and upload private key.

🔀 PuTTY Configuratio	n 🔀	Select private key file	? 🔀
Category: Terminal Keyboard Bell Features Window Appearance Behaviour Translation Selection Concurs Connection Data Proxy Telnet Rion SSH Kax Auth TTY -X11 Junnels Bugs V	Options controlling SSH authentication Bypass authentication entirely (SSH-2 only) Authentication methods Authentication methods Attempt TIS or CryptoCard auth (SSH-1) Attempt TIS or CryptoCard auth (SSH-2) Authentication parameters Allow agent forwarding Allow attempted changes of username in SSH-2 Private key file for authentication: C:\Documents and Settings\Benson\De Browse	Look in:	Upen Cancel
ADOUR	Upen Cancer		

5. Use Putty SSH application to login Switch.

ategory:					
Session	~	Basic options for your PuTTY session			
Logging		Specify the destination you want to Host Name (or IP address)	o connect to Port		
Rell		10.90.90.90	22		
Features Window		Connection type: O Raw O Telnet O Rlogin O SSH O Serial			
- Appearance - Behaviour - Translation		Load, save or delete a stored session Saved Sessions			
Colours Connection Data Proxy Telnet Rlogin		Default Settings	Load Save Delete		
⊡-SSH Kex Auth TTY		Close window on exit: Always ONever O	nly on clean exit		



Putty 10.90.90.90 - Putty

login as: admin Authenticating with public key "rsa-key-20091008" Passphrase for key "rsa-key-20091008": <mark>test</mark>

B 10.90.90.90 - PuTTY
DES-3028 Fast Ethernet Switch Command Line Interface
Firmware: Build 2.40.B07
Copyright(C) 2008 D-Link Corporation. All rights reserved.
UserName:admin
PassWord:*****

```
10.90.90.90 - PuTTY
DES-3028 Fast Ethernet Switch Command Line Interface
Firmware: Build 2.40.807
Copyright(C) 2008 D-Link Corporation. All rights reserved.
UserName:admin
PassWord:*****
DES-3028:4#
```