## Creating and Copying Your Key-Pair in PuTTY SSH Client

1. Start puttygen. Select SSH2 DSA. Change Number of bits from 1024 bits to 2048 bits for better security. Then click Generate.

PuTTY Key Generator		×
File Key Conversions Help		
Key		
No key.		
Actions		3
Generate a public/private key pair		Generate
Load an existing private key file		Load
Save the generated key	Save public key	Save private key
Parameters		
Type of key to generate: C SSH-1 (RSA)	SSI	H-2 DSA 2
Number of bits in a generated key:		12048

2. Move the mouse around inside the Putty Key Generator window until the bar fills up.

Key			
Please generate some rando	omness by moving	the mouse over the bla	nk area.
Actions			
Actions Generate a public/private k	ey pair		Generate
Actions Generate a public/private k Load an existing private key	ey pair / file		Generate
Actions Generate a public/private k Load an existing private key Save the generated key	ey pair ı file	Save public key	Generate Load Save private key
Actions Generate a public/private k Load an existing private key Save the generated key Parameters	ey pair v file	Save public key	Generate Load Save private key

3.

4. Wait for the program to generate the key... it may take several minutes.

PuTTY Key Generator		
e Key Conversions Help		
Key		
Please wait while a key is generated		
Actions		
Actions Generate a public/private key pair		Generate
Actions Generate a public/private key pair Load an existing private key file		Generate
Actions Generate a public/private key pair Load an existing private key file	Grup sublicitory	Generate Load
Actions Generate a public/private key pair Load an existing private key file Save the generated key	Save public key	Generate Load Save private key
Actions Generate a public/private key pair Load an existing private key file Save the generated key Parameters	Save public key	Generate Load Save private key
Actions Generate a public/private key pair Load an existing private key file Save the generated key Parameters Type of key to generate: C SSH-2 IR SAT	Save public key	Generate Load Save private key

5.

6. Once it is complete, you can add or change the key comment, as well as add a passphrase.

PuTTY Key General	or		
ile Key Conversions	Help		
Key Public key for pasting	into OpenSSH authorize	:d_keys file:	
ssh-rsa AAAAB3NzaC1yc2EA W17/GqU9B77Drzlety Gr+icw1rjtwc1+2g4MI Wg3pruTECsBEF0G1	AAABJQAAAQB3zVwE wJM9zl2qD6BS+aGy7v ?Y+IPqh6U+iml02+XmA 4clyknL8lXXKMI+AgWI	8st/7Lsu4BeSemylPnHi V3BbQ3g+0emnbgBD3 .qixFqZ5HoGPRQppXT CzsUL8ljb2+UUwvgkki/	PwSAKBmfZBKFt s+FyOMQIh52xiyI PNqfHYRPA6VHs 1DABPgvtIQy7S
Key fingerprint:	ssh-rsa 2047 f7:77:c6	2a:89:f4:6e:50:d5:1f:bc	:bf:d0:37:fb:3d
Key comment:	rsa-key-20081114		
Key passphrase:	•••••	•	
Confirm passphrase:	•••••		
Actions		R	
Generate a public/priv	ate key pair		Generate
Load an existing prival	e key file		Load
Save the generated k	ey.	Save public key	Save private key
Parameters			
Type of key to genera © SSH-1 (RSA)	te: SSH-2 RSA	A C SSF	H-2 DSA
Number of bits in a ge	nerated key:		2048

7. Click "Save private key" and save it some place safe.

8. Right click the large box that has text starting with "ssh-dss", click Select All. Right click the box again, and click Copy.

PuTTY Key Generator				2
ile Key Conversions Help				
-Key				_
Public key for pasting into Oper	nSSH authorize	ed_keys file:		
ssh-rsa AAAAB3NzaC1yc2EAAAABJ W17/GqU9B77DrzletywJM9z1 Gr+icw1rjtwc1+2g4MPY-frag Wg3pruTECsBEF0Gt4clyknl	AAAQB3zVwE D6BS+aGy7v Undo	8st/7Lsu4BeSemylPnHF V3BbQ3g+0emnbgBD3: %FqZ5HoGPRQppXTF _sUL8ljb2+UUwvgkki/	PwSAKBmfZBKFt s+FyOMQIh52xiyI PNqfHYRPA6VHs IDABPgvtIQy7S	
Key fingerprint: ssh-rs	Cut	a:89:f4:6e:50:d5:1f:bc:	:bf:d0:37:fb:3d	
Key comment:	Copy Paste			
Key passphrase: ••••	Delete	_		
Confirm passphrase: ••••	Select All			
Actions		-		
Generate a public/private key (	pair		Generate	
Load an existing private key file	,		Load	
Save the generated key		Save public key	Save private key	
Parameters				
Type of key to generate: C SSH-1 (RSA)	SSH-2 RS/	α O SS⊦	I-2 DSA	
Number of bits in a generated k	ey:		2048	

- 9. OPTIONAL: If you want to copy the private key (for use with Linux, Unix, or Macintosh) then you can choose the Conversions menu and one of the 'export' options such as 'rsa'. To save it for use on your student.cs account, you will probably want to copy it to linux.student.cs into your '.ssh' directory, as 'id\_rsa'.
- 10. You may now close the PuTTY Key Generator and start Putty.
- 11. Connect to your SSH server, and type the following:

12. mkdir -f ~/.ssh

13. vi ~/.ssh/authorized keys

Press a (lowercase a) and right click the PuTTY window. The ssh-dss text will be pasted in.

Press ESC followed by ZZ (that's pressing capital Z twice).

To use public key, start PuTTY, click Auth under SSH in PuTTY, and click Browse... to choose the private key file

You may then go back to Session and click Save to save the changes to your session.