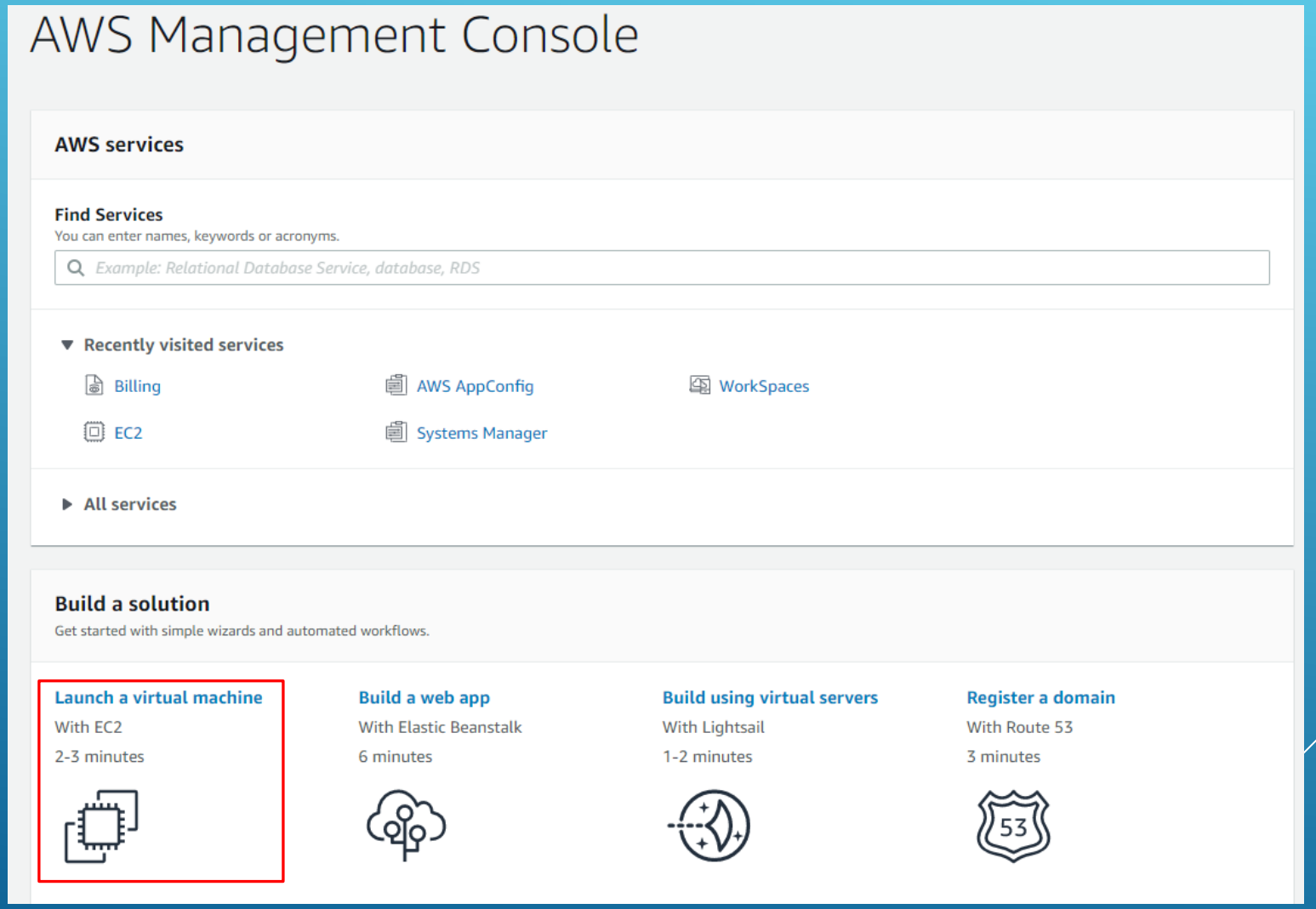
AWS USAGE EXAMPLE

1. Go to aws.amazon.com and sign in to the console
2. Launch a virtual machine



3. Choose an Amazon Machine Image (AMI) depending on your requirements: OS, Libraries, etc.

Ubuntu Server 18.04 LTS (HVM), SSD Volume Type - ami-003634241a8fcdec0 (64-bit x86) / ami-003b90277095b7a42 (64-bit Arm)

Free tier eligible

Ubuntu Server 18.04 LTS (HVM),EBS General Purpose (SSD) Volume Type. Support available from Canonical (http://www.ubuntu.com/cloud/services).

Root device type: ebs Virtualization type: hvm ENA Enabled: Yes

Select

64-bit (x86)

64-bit (Arm)

Ubuntu Server 16.04 LTS (HVM), SSD Volume Type - ami-008c6427c8facbe08 (64-bit x86) / ami-05dff67faab67bc29 (64-bit Arm)

Free tier eligible

Ubuntu Server 16.04 LTS (HVM),EBS General Purpose (SSD) Volume Type. Support available from Canonical (http://www.ubuntu.com/cloud/services).

Root device type: ebs Virtualization type: hvm ENA Enabled: Yes

Select

64-bit (x86)

64-bit (Arm)

Microsoft Windows Server 2019 Base - ami-0c1ee26e489972734

Windows

Free tier eligible

Microsoft Windows 2019 Datacenter edition. [English]

Root device type: ebs Virtualization type: hvm ENA Enabled: Yes

Select

64-bit (x86)

Deep Learning AMI (Ubuntu 18.04) Version 29.1 - ami-037176e5332a04eb6

MXNet-1.6.0, Tensorflow-2.1.0 & 1.15.2, PyTorch-1.4.0 & 1.5.0, Neuron, & other frameworks, NVIDIA CUDA, cuDNN, NCCL, Intel MKL-DNN, Docker, NVIDIA-Docker & EFA support. For fully managed experience, check: https://aws.amazon.com/sagemaker

Root device type: ebs Virtualization type: hvm ENA Enabled: Yes

Select

64-bit (x86)

Deep Learning AMI (Ubuntu 16.04) Version 29.1 - ami-03bcb4280a671c8a1

MXNet-1.6.0, Tensorflow-2.1.0 & 1.15.2, PyTorch-1.4.0 & 1.5.0, Elastic Inference, Neuron, & other frameworks, NVIDIA CUDA, cuDNN, NCCL, Intel MKL-DNN, Docker, NVIDIA-Docker & EFA. For fully managed experience, check: https://aws.amazon.com/sagemaker

Root device type: ebs Virtualization type: hvm ENA Enabled: Yes

Select

64-bit (x86)

Deep Learning AMI (Amazon Linux) Version 29.1 - ami-05aaf2e000366e54a

Amazon Linux

MXNet-1.6.0, Tensorflow-2.1.0 & 1.15.2, PyTorch-1.4.0 & 1.5.0, Elastic Inference, & other frameworks, NVIDIA CUDA, cuDNN, NCCL, Intel MKL-DNN, Docker, NVIDIA-Docker & EFA support. For fully managed experience, check: https://aws.amazon.com/sagemaker

Select

64-bit (x86)

Examples of AMIs

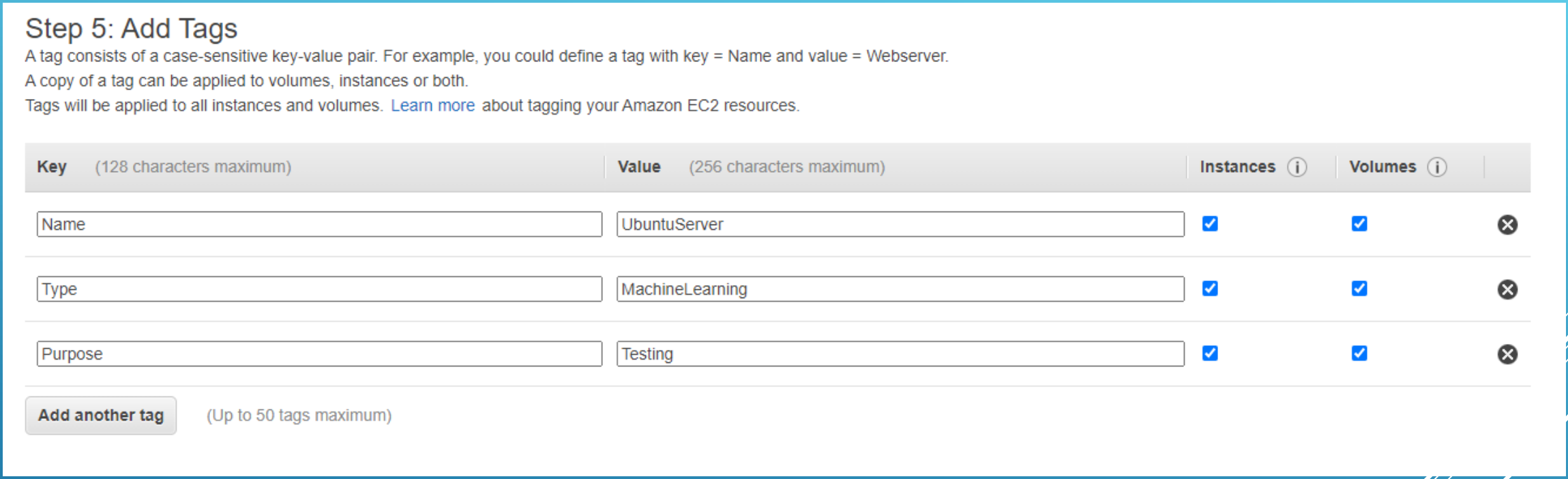
4. Choose an Instance Type

Currently selected: t2.micro (Variable ECUs, 1 vCPUs, 2.5 GHz, Intel Xeon Family, 1 GiB memory, EBS only)

	Family	Type	vCPUs	Memory (GiB)	Instance Storage (GB)	EBS-Optimized Available	Network Performance	IPv6 Support
☐	General purpose	t2.nano	1	0.5	EBS only	-	Low to Moderate	Yes
☑	General purpose	t2.micro Free tier eligible	1	1	EBS only	-	Low to Moderate	Yes
☐	General purpose	t2.small	1	2	EBS only	-	Low to Moderate	Yes
☐	General purpose	t2.medium	2	4	EBS only	-	Low to Moderate	Yes
☐	General purpose	t2.large	2	8	EBS only	-	Low to Moderate	Yes
☐	General purpose	t2.xlarge	4	16	EBS only	-	Moderate	Yes
☐	General purpose	t2.2xlarge	8	32	EBS only	-	Moderate	Yes
☐	General purpose	t3a.nano	2	0.5	EBS only	Yes	Up to 5 Gigabit	Yes
☐	General purpose	t3a.micro	2	1	EBS only	Yes	Up to 5 Gigabit	Yes
☐	General purpose	t3a.small	2	2	EBS only	Yes	Up to 5 Gigabit	Yes
☐	General purpose	t3a.medium	2	4	EBS only	Yes	Up to 5 Gigabit	Yes
☐	General purpose	t3a.large	2	8	EBS only	Yes	Up to 5 Gigabit	Yes

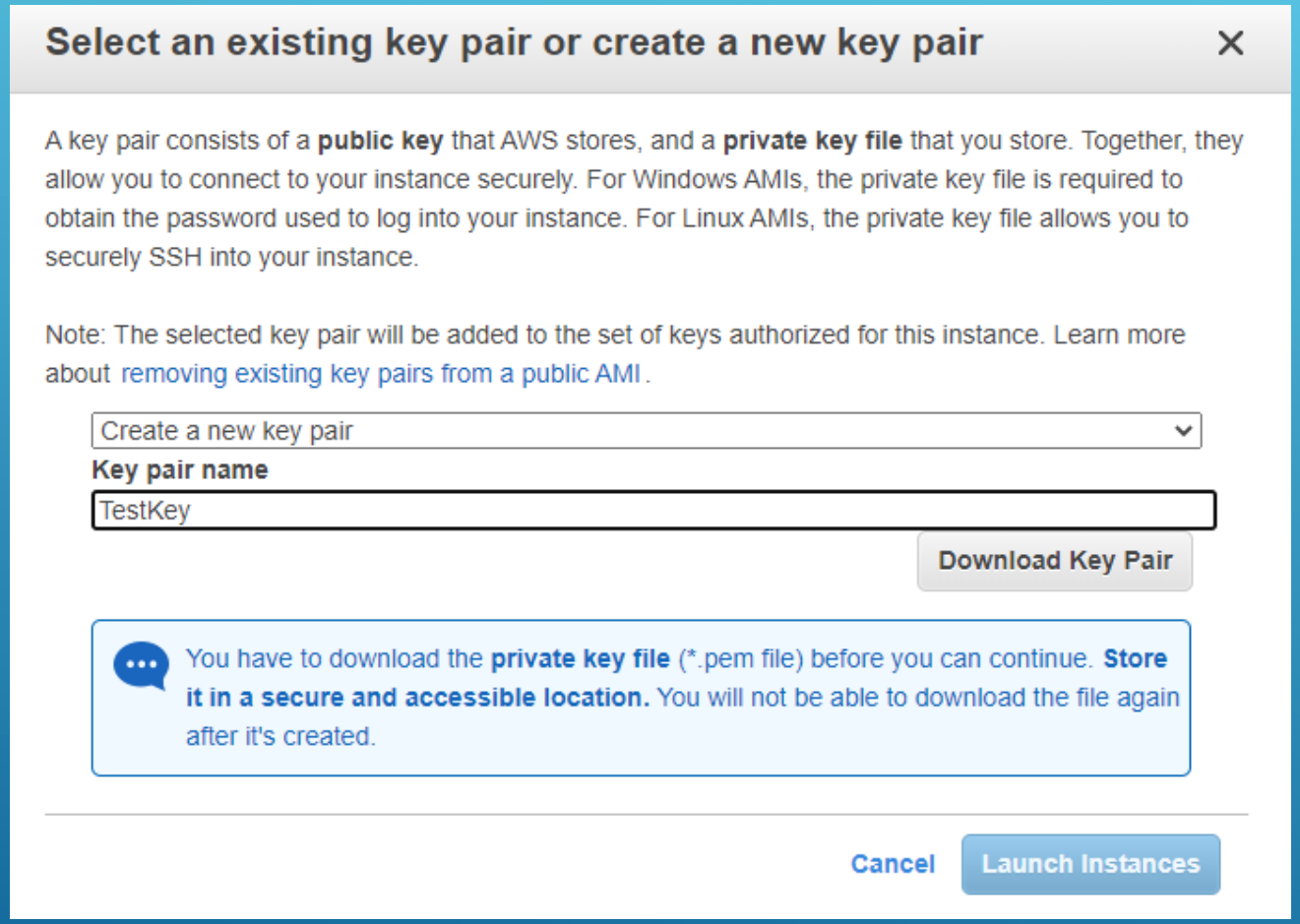
Examples of instance types

4. For now we can just accept default parameters on Configure Instance Details and Add Storage steps
5. Use tags to provide additional information about our server

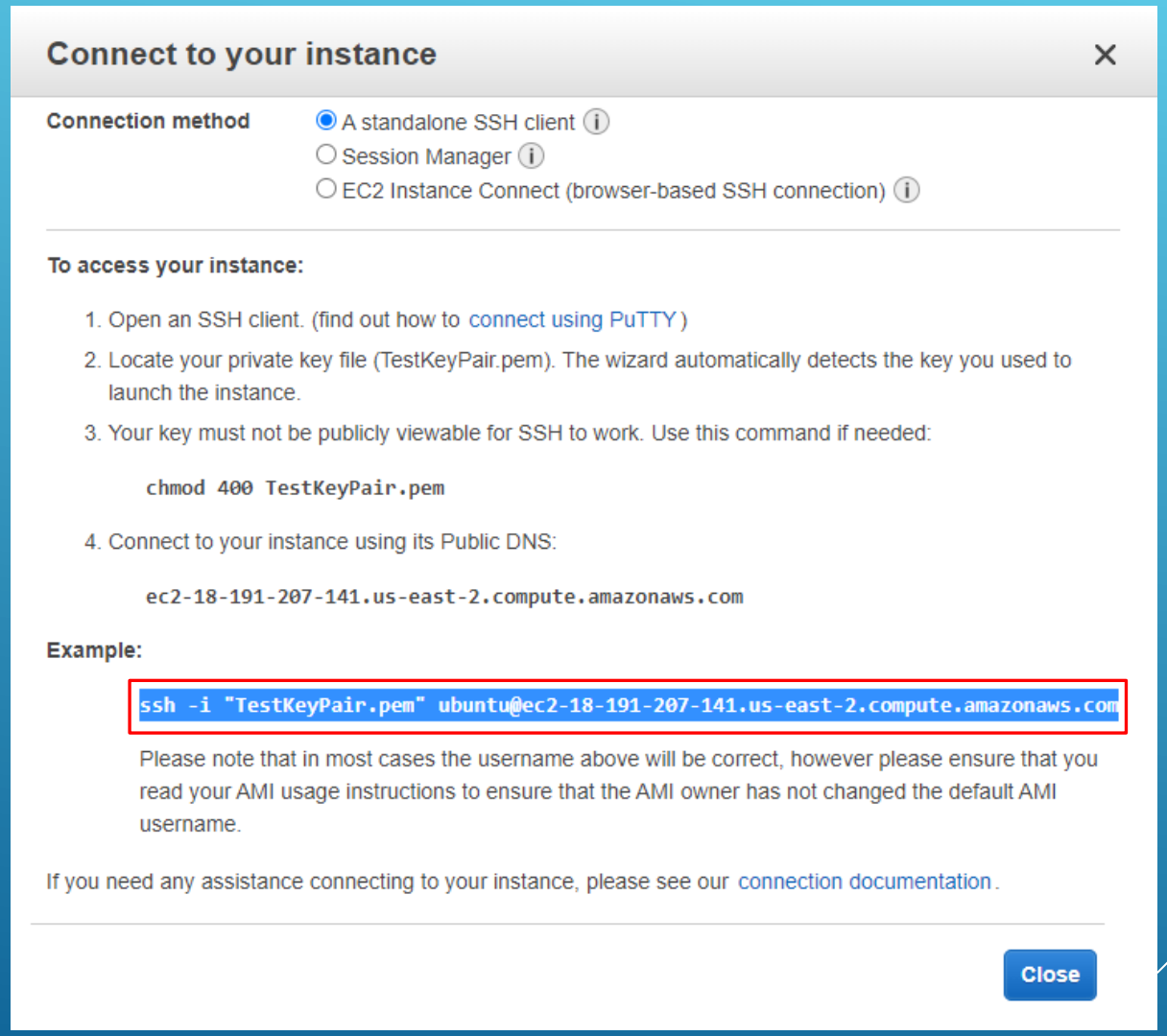


6. Review Instance and click "Launch"

7. Now choose “Create a new key pair”
8. Create a name for a key pair and memorize it
9. Download Key Pair

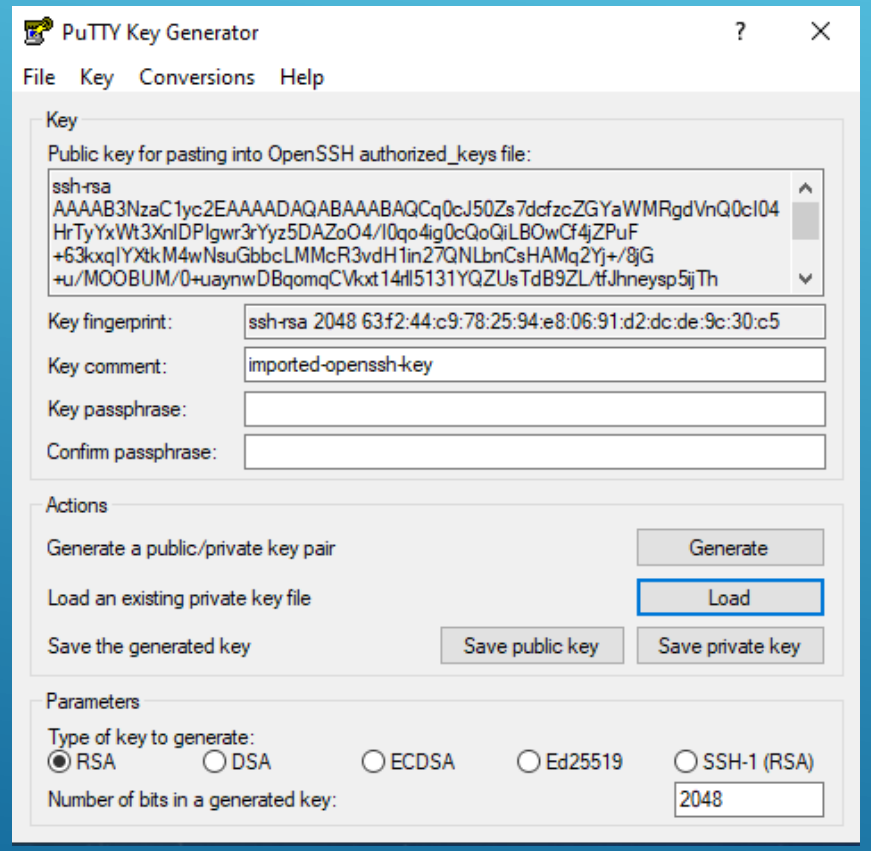


If you use Ubuntu:
10. You can run ssh connection using terminal. Use username “ubuntu” if you chose Ubuntu AMI

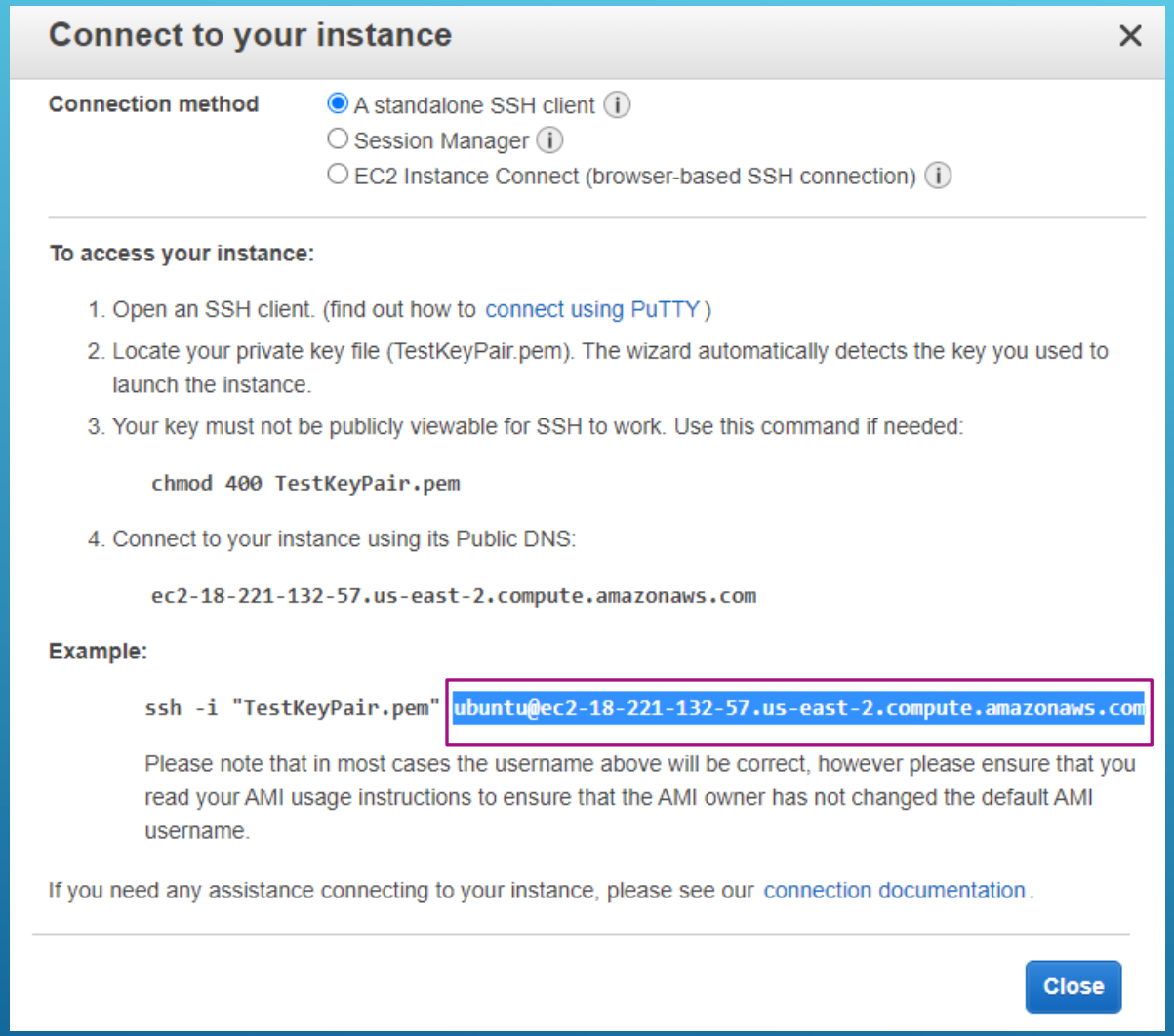


If you use Windows:

10. Download and install PuTTY (https://www.chiark.greenend.org.uk/~sgtatham/putty/latest.html)
11. Open PuTTYgen and load .pem key file
12. Choose "Save private key" option. The saved key should have the same name as Key Pair name from paragraph 9



13. Press “View instances”
14. Right click on instance you want to use and choose “Connect”
15. Copy address of the instance



16. Open PuTTY and paste address of the machine
17. Open Connection -> SSH -> Auth in PuTTY and choose .ppk file you saved
18. Click “Open” to connect to the machine. Use username “ubuntu” if you chose Ubuntu AMI