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How to use SSH keys

Connect to an instance using an SSH key

You must provide an <u>SSH key</u> when you create a GPU instance with FluidStack. Once the instance is running, that SSH key is used to authenticate for remote command-line access to the instance.

Generate a public/private key pair

Supported public key formats:
 ssh-rsa
 ssh-dss (DSA)

ssh-ed25519
 ecdsa keys with NIST curves

If you already have a public/private key pair of a supported format, you can use that pair

instead of generating a new one.

Follow the steps below to generate a key pair with a command-line tool called **ssh-keygen**.

This tool is pre-installed on nearly all operating systems.

Use any supported format for your key pair. The tabs below contain instructions for generating a key pair with either the $RSA \boxtimes algorithm$ or $ECDSA \boxtimes algorithm$.

Cenerate the key pair Enter the following command in your CLI shell: s ssh-keygen -t ecdsa -b 256 -f ~/.ssh/id_ecdsa_256 If prompted to enter a filename, press Enter to save the key pair to the default location (~/.ssh/). When prompted to enter a passphrase, you can optionally do so to increase security. Confirm that your key pair was created Enter the following command to confirm that your key pair was created: s ls ~/.ssh In the output, you should see id_ecdsa_256 (the file that contains your private key) and id_ecdsa_256.pub (the file that contains your public key). View your public key Open the id_ecdsa_256.pub file in a plaintext editor, or enter the command below to output it to your terminal: s cat ~/.ssh/id_ecdsa_256.pub

With any public/private key pair that you generate, your public key can be shared freely. Your private key should be just that—private! Take care not to share it with others, or in public repositories such as in GitHub.

Create an SSH key

Use your public key to create an SSH key on your FluidStack account. If you don't have a public key, see: Generate a public/private key pair.

 $\stackrel{\star}{\Omega}$ In this context, "creating an SSH key" means "storing (adding) a copy of your public key on your FluidStack account." The stored SSH key is identical to your public key.

If your POST request is successful, the endpoint responds with a JSON object that

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echoes the name and public_key that you sent:

Response example

1 {
2  "name": "my_ssh_key",
3  "public_key": "<your_public_key>"
4 }
```

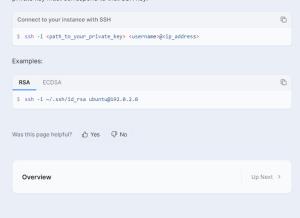
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Connect to an instance with an SSH key

Use your private key to authenticate when connecting to a running instance via SSH. The instance has an SSH key associated with it, provided when that instance was created. The private key must correspond to that SSH key.



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