# Logging into your SMS with an SSH key (macOS, Linux)

1. At a terminal, verify what SSH identities you have available with:

ssh-add -l | grep $USER | cut -d' ' -f3

It should return something like /Users/renfro/.ssh/id\_rsa. If you have no such identities, jump down to step 2.

* 1. Upload the public key for your identity to each user account with:

% ssh-copy-id -i IDENTITY.pub USER@SMS\_PUBLIC\_IP

where:

* IDENTITY is the path from the ssh-add command above,
* USER is a username from the Credentials section of your cluster details, and
* SMS\_PUBLIC\_IP is the publicly routable IP from the SMS section of your cluster details.

You’ll be prompted for a password for each username you upload the key to.

* 1. Verify that you can log in without a password using either:
  + **(if you had a key listed from ssh-add -l)**

ssh USER@SMS\_PUBLIC\_IP

or

* + **(if you had to create an id\_obtig key)**

ssh -i ~/.ssh/id\_obtig USER@SMS\_PUBLIC\_IP

for each username to which you uploaded your key.

1. If you had no identities loaded in step 1:
   1. Create a key with an empty passphrase with:

ssh-keygen -t ed25519 -N '' -f ~/.ssh/id\_obtig

* 1. Go to step 1a and 1b, using ~/.ssh/id\_obtig for IDENTITY.

# Logging into your SMS with an SSH key (Windows)

1. At a PowerShell prompt, verify what SSH identities you have available with:

dir ~/.ssh/id\*

It should return something like

Directory: C:\Users\mwr\.ssh

Mode LastWriteTime Length Name

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-a---- 7/6/2024 2:14 PM 399 id\_ed25519

-a---- 7/6/2024 2:14 PM 95 id\_ed25519.pub

If you have no such identities, jump down to step 2. Otherwise, continue with steps 1a and 1b.

1. Upload the public key for your identity to each user account with:

% cat ~/.ssh/IDENTITY.pub | ssh USER@SMS\_PUBLIC\_IP "cat >> ~/.ssh/authorized\_keys"

where:

* IDENTITY is the path to the .pub file from the dir command above,
* USER is a username from the Credentials section of your cluster details, and
* SMS\_PUBLIC\_IP is the publicly routable IP from the SMS section of your cluster details.

You’ll be prompted for a password for each username you upload the key to.

1. Verify that you can log in without a password using ssh USER@SMS\_PUBLIC\_IP for each username to which you uploaded your key.
2. If you had no identities available in step 1:
   1. Create a key with an empty passphrase with:

ssh-keygen -t ed25519

and hit Enter each time you’re asked for a passphrase.

* 1. Go to step 1a and 1b, using ~/.ssh/id\_ed25519.pub for IDENTITY.