

Omega Troubleshooting Guide

If you are getting this message from Omega

```
Command Prompt
and its host key have changed at the same time.
Offending key for IP in C:\\Users\\frenc/.ssh/known_hosts:2
@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@
@    WARNING: REMOTE HOST IDENTIFICATION HAS CHANGED!    @
@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@
IT IS POSSIBLE THAT SOMEONE IS DOING SOMETHING NASTY!
Someone could be eavesdropping on you right now (man-in-the-middle attack)!
It is also possible that a host key has just been changed.
The fingerprint for the RSA key sent by the remote host is
SHA256:20DJME+1KC8GK3NX8Q14MyGik+7zmi39TZ7cQbykaIo.
Please contact your system administrator.
Add correct host key in C:\\Users\\frenc/.ssh/known_hosts to get rid of this message.
Offending RSA key in C:\\Users\\frenc/.ssh/known_hosts:1
RSA host key for omega.uta.edu has changed and you have requested strict checking.
Host key verification failed.
```

Then use

```
cd .ssh
```

to go into the hidden .ssh folder

```
Command Prompt
Offending key for IP in C:\\Users\\frenc/.ssh/known_hosts:2
@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@
@    WARNING: REMOTE HOST IDENTIFICATION HAS CHANGED!    @
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SHA256:20DJME+1KC8GK3NX8Q14MyGik+7zmi39TZ7cQbykaIo.
Please contact your system administrator.
Add correct host key in C:\\Users\\frenc/.ssh/known_hosts to get rid of this message.
Offending RSA key in C:\\Users\\frenc/.ssh/known_hosts:1
RSA host key for omega.uta.edu has changed and you have requested strict checking.
Host key verification failed.

C:\\Users\\frenc>cd .ssh

C:\\Users\\frenc\\.ssh>dir
Volume in drive C is Local Disk
Volume Serial Number is DEC0-F685

Directory of C:\\Users\\frenc\\.ssh

08/25/2019  08:54 PM    <DIR>          .
08/25/2019  08:54 PM    <DIR>          ..
03/27/2023  08:58 AM                433 known_hosts
               1 File(s)                433 bytes
               2 Dir(s)  28,481,847,296 bytes free

C:\\Users\\frenc\\.ssh>
```



If you use the command

```
dir
```

then you will see a file named known_hosts

```
Command Prompt
Offending key for IP in C:\\Users\\frenc\\.ssh\\known_hosts:2
@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@
@ WARNING: REMOTE HOST IDENTIFICATION HAS CHANGED! @
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IT IS POSSIBLE THAT SOMEONE IS DOING SOMETHING NASTY!
Someone could be eavesdropping on you right now (man-in-the-middle attack)!
It is also possible that a host key has just been changed.
The fingerprint for the RSA key sent by the remote host is
SHA256:20DJME+lKC8GK3NX8Q14MyGik+7zmi39TZ7cQby
Please contact your system administrator.
Add correct host key in C:\\Users\\frenc\\.ssh\\known_hosts to get rid of this message.
Offending RSA key in C:\\Users\\frenc\\.ssh\\known_hosts:1
RSA host key for omega.uta.edu has changed and you have requested strict checking.
Host key verification failed.

C:\\Users\\frenc>cd .ssh
C:\\Users\\frenc\\.ssh>dir
Volume in drive C is Local Disk
Volume Serial Number is DEC0-F685

Directory of C:\\Users\\frenc\\.ssh

08/25/2019  08:54 PM  <DIR>          .
08/25/2019  08:54 PM  <DIR>          ..
03/27/2023  08:58 AM                433 known_hosts
               1 File(s)                433 bytes
               2 Dir(s) 28,481,847,296 bytes free

C:\\Users\\frenc\\.ssh>
```

Rename that file, `known_hosts`, to a new name, `known_hosts-old`

```
rename known_hosts known_hosts-old
```

Use `mv` instead of `rename` if using a Mac.

```
Command Prompt
@ WARNING: REMOTE HOST IDENTIFICATION HAS CHANGED! @
@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@
IT IS POSSIBLE THAT SOMEONE IS DOING SOMETHING NASTY!
Someone could be eavesdropping on you right now (man-in-the-middle attack)!
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The fingerprint for the RSA key sent by the remote host is
SHA256:20DJME+lKC8GK3NX8Q14MyGik+7zmi39TZ7cQbyKaIo.
Please contact your system administrator.
Add correct host key in C:\\Users\\frenc\\.ssh\\known_hosts to get rid of this message.
Offending RSA key in C:\\Users\\frenc\\.ssh\\known_hosts:1
RSA host key for omega.uta.edu has changed and you have requested strict checking.
Host key verification failed.

C:\\Users\\frenc>cd .ssh
C:\\Users\\frenc\\.ssh>dir
Volume in drive C is Local Disk
Volume Serial Number is DEC0-F685

Directory of C:\\Users\\frenc\\.ssh

08/25/2019  08:54 PM  <DIR>          .
08/25/2019  08:54 PM  <DIR>          ..
03/27/2023  08:58 AM                433 known_hosts
               1 File(s)                433 bytes
               2 Dir(s) 28,481,847,296 bytes free

C:\\Users\\frenc\\.ssh>rename known_hosts known_hosts-old
C:\\Users\\frenc\\.ssh>
```

Now try the `ssh` command again

```
ssh yournetid@omega.uta.edu
```

```
Command Prompt - ssh frenchdm@omega.uta.edu
Host key verification failed.

C:\Users\frenc>cd .ssh

C:\Users\frenc\.ssh>dir
Volume in drive C is Local Disk
Volume Serial Number is DEC0-F685

Directory of C:\Users\frenc\.ssh

08/25/2019  08:54 PM  <DIR>          .
08/25/2019  08:54 PM  <DIR>          ..
03/27/2023  08:58 AM                433 known_hosts
                   1 File(s)                433 bytes
                   2 Dir(s) 28,481,847,296 bytes free

C:\Users\frenc\.ssh>rename known_hosts known_hosts-old

C:\Users\frenc\.ssh>cd ..

C:\Users\frenc>ssh frenchdm@omega.uta.edu
```

Retry the ssh command.
yournetid@omega.uta.edu

You should see this message.

```
The authenticity of host 'omega.uta.edu (129.107.56.155)' can't be established.
ECDSA key fingerprint is SHA256:D1uFy1wEN2t5qVeT7hHbp2+EEfWnrReNLVN4z54aSlQ.
Are you sure you want to continue connecting (yes/no/[fingerprint])? _
```

Type in

yes

```
C:\Users\Donna\.ssh>ssh frenchdm@omega.uta.edu
The authenticity of host 'omega.uta.edu (129.107.56.155)' can't be established.
ECDSA key fingerprint is SHA256:D1uFy1wEN2t5qVeT7hHbp2+EEfWnrReNLVN4z54aSlQ.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
```

It will then ask you for your password

```
C:\Users\Donna\.ssh>ssh frenchdm@omega.uta.edu
The authenticity of host 'omega.uta.edu (129.107.56.155)' can't be established.
ECDSA key fingerprint is SHA256:D1uFy1wEN2t5qVeT7hHbp2+EEfWnrReNLVN4z54aSlQ.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'omega.uta.edu,129.107.56.155' (ECDSA) to the list of known hosts.
frenchdm@omega.uta.edu's password:
```

Remember two things...

1. Your Omega password is the same as your netid password.
2. When you type your password, the cursor will not move and nothing will be displayed.

Please contact itssoftware@uta.edu if you need more assistance.