

# Enabling Your SecurID Fob and First-Time Login

## Category: Security & Logging In

**Summary:** Once you complete a series of steps to enable your SecurID fob, you can log into the NAS secure front-end systems for the first time.

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Follow the steps below to enable your SecurID fob, obtain a password, select your personal identification number (PIN), and then use your fob to log into the NAS secure front-end systems for the first time.

**NOTE:** These steps apply to those agency-wide RSA SecurID fobs provided by the NAS Division at NASA Ames Research Center. If your fob was provided by another NASA center, please contact your local RSA help desk for assistance.

### Step 1: Enable Fob and Password

Your SecurID fob has been sent in a *disabled* state. To enable your fob, call the NAS Control Room at (800) 331-8737 or (650) 604-4444.

A Control Room analyst will confirm your identity by asking you the security question that you submitted with your account request form, or by calling you back at your work phone number on record.

The analyst will then enable your fob, setting it in New PIN Mode. If you are a first-time user, an initial default password will also be provided to you when you call to enable your fob.

### Step 2: Complete the New-PIN Process

**IMPORTANT:** Before you begin Step 2, your computer must be set up to log in using SSH.

The first time you log into one of the secure front-end machines (SFE[1-4]) you will set up a PIN and complete a two-factor authentication process. You will be prompted to choose a PIN or to have a PIN automatically selected for you. To complete the new-PIN process:

1. Log in using SSH:

```
your_localhost% ssh machine.nas.nasa.gov  
where machine is sfe 1, sfe2, sfe3 or sfe4.
```

If your usernames on your localhost and NAS systems are different, type the following:

```
your_localhost% ssh nas_username@machine.nas.nasa.gov
```

If you get a message that indicates an **ssh\_known\_hosts** error, the simple solution below works for many users. Once you fix it, you should not have to do this again in subsequent SSH sessions. sfe1 is used in the example below:

```
your_localhost% ssh -o "stricthostkeychecking=ask" sfe1.nas.nasa.gov
```

```
-----  
The authenticity of host 'sfe1.nas.nasa.gov (198.9.4.3)'  
can't be established. RSA key fingerprint is  
11:9f:ae:09:56:2d:45:66:8e:9a:df:15:52:d6:88:5e.  
Are you sure you want to continue connecting (yes/no)? yes
```

```
-----  
Warning: Permanently added 'sfe1.nas.nasa.gov,198.9.4.3' (RSA) to  
the list of known hosts.
```

2. At the prompt "**Enter PASSCODE**" enter the six-digit tokencode displayed on the fob.

```
-----  
PAM authentication  
Enter PASSCODE:
```

3. At the next prompt, select whether to create your own PIN (exactly 8 alphanumeric characters with at least 1 letter and at least 1 number; letters are not case-sensitive; *no* special characters) or to have one created for you (type "yes" or "no"). In either case, memorize your PIN. Never write down your PIN.

```
-----  
PAM authentication  
You may create your own PIN or accept a server assigned PIN.  
Would you like to create your own new PIN (yes/no)? y  
PAM authentication  
Enter a new PIN of 8 alphanumeric characters:  
PAM Authentication  
Re-enter new PIN to confirm:  
PAM Authentication  
New PIN accepted, press enter to continue.
```

**WARNING:** Never divulge your PIN. No NAS staff member will ever ask you for your PIN. If you think someone may have learned your PIN, call the NAS Control Room at (800) 331-8737 or (650) 604-4444.

4. Wait for the tokencode displayed on your fob to change, then enter your PIN, followed immediately by the tokencode, and hit Enter.

For example, if your PIN is "d701398z" and your fob displays the tokencode "052993" then enter "d701398z052993" and hit Enter. Note that you can use either a lowercase or an uppercase "D" and "Z" because PINs are not case sensitive. Your

PIN plus your current tokencode are your "SecurID passcode."

-----  
PAM authentication  
Wait for token to change, and enter PASSCODE:

The new-PIN process is now complete, although you may not get clear confirmation on your screen. Currently, PINs do not expire, but this may change in the future.

### Step 3: Complete First-time Two-factor Authentication

Now that you have completed the new-PIN process, the system will prompt you to log in using two-factor authentication for the first time.

1. At the prompt asking for your PASSCODE, enter your PIN followed immediately by the tokencode displayed on the fob.
2. At the prompt, enter your NAS password.
3. If you are a first-time user, after entering your password you will need to change your password. For more information on choosing a password read the [Password Creation Rules](#).

You are now authenticated, and can log into other systems at the NAS facility on which you have an account.

**NOTE:** Each tokencode displayed on your fob can be used just once. If you have to authenticate twice (for example, because you mistyped your password), you must wait for your fob to display a new tokencode, and then re-enter the new PASSCODE.

To simplify future logins, see [Setting Up SSH Passthrough](#).

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<http://www.nas.nasa.gov/hecc/support/kb/entry/59/?ajax=1>