



APPENDIX **A**

Obtaining a 3DES/AES License

The Cisco ASA 5580 comes with a DES license that provides encryption. You can obtain a 3DES/AES license that provides encryption technology to enable specific features, such as secure remote management (SSH, ASDM, and so on), site-to-site VPN, and remote access VPN. You need an encryption license key to enable this license.

If you are a registered user of Cisco.com and would like to obtain a 3DES/AES encryption license, go to the following website:

<http://www.cisco.com/go/license>

If you are not a registered user of Cisco.com, go to the following website:

<https://tools.cisco.com/SWIFT/Licensing/RegistrationServlet>

Provide your name, e-mail address, and the serial number for the adaptive security appliance as it appears in the **show version** command output.




Note

You will receive the new activation key for your adaptive security appliance within two hours of requesting the license upgrade.

For more information on activation key examples or upgrading software, see the *Cisco Security Appliance Command Line Configuration Guide*.

To use the activation key, perform the following steps:

	Command	Purpose
Step 1	hostname# show version	Shows the software release, hardware configuration, license key, and related uptime data.
Step 2	hostname# activation-key <i>activation-5-tuple-key</i>	Updates the encryption activation key by replacing the <i>activation-5-tuple-key</i> variable with the activation key obtained with your new license. The <i>activation-5-tuple-key</i> variable is a five-element hexadecimal string with one space between each element. An example is 0xe02888da 0x4ba7bed6 0xf1c123ae 0xffd8624e 0x1234abcd. The “0x” is optional; all values are assumed to be hexadecimal.
		 <p>Note You only need to reload the configuration when you downgrade licensed features.</p>