



Changing fwa1 to SSL in Check Point VPN-1/FireWall-1 Version 4.1 SP2

September 2000

<http://www.checkpoint.com>

All the FireWall Modules that communicate with SSL must be Version 4.1 SP2 or above. The procedure described here is intended for simple management/module communication. Adaptation must be made for more complicated scenarios.

The procedure design allows the system to continue functioning throughout the process (except brief periods between `fwstop` and `fwstart`).

To change `fwa1` to SSL, proceed as follows:

- 1** Run `fw putkey -ssl` on the Management Station and FireWall Module which you intend to convert to SSL.
- 2** On the Management Station, edit `$FWDIR/lib/control.map` as follows:
 - a.** If this is the first FireWall Module converted to SSL and not the only FireWall Module managed by this Management Station:
 - i.** Copy the line which starts with the `*` symbol BEFORE this line.
 - ii.** Replace the `*` symbol with the list of the IP addresses of the FireWall Modules which you DO NOT intend to convert to SSL. The IP addresses must be separated by a comma. The list must include FireWall Modules Version 4.1, 4.0 and 3.0.
 - b.** If this is NOT the first FireWall Module converted to SSL:
 - i.** Delete the IP address(es) of this FireWall Module from the line you created in Step 2a. If this leaves the line empty, delete the entire line.
 - c.** In the line that starts with the `*` symbol, replace `fwa1` with `ssl`.
 - d.** Stop and restart the Management Station (`fwstop/fwstart`).
- 3** On the FireWall Module, edit the `control.map` file as follows:
 - a.** Replace every instance of `fwa1` with `ssl`.
 - b.** If FloodGate is installed on the module, add `fwdtunnel/fwa1` to the MASTERS line, as follows:

```
MASTERS: fwdtunnel/fwa1 getkey, gettopo, gettopossl, certreq/none  
fw1_opsec/fwn1 ssl_opsec/ssl ssl_clear_opsec/sslclear */ssl
```

Note – The above code must be entered in ONE line.

- c.** Stop and restart the FireWall Module (`fwstop/fwstart`).
- 4** After converting all the Firewall Modules Version 4.1 in the system to SSL, edit the `control.map` file on the Management Station as follows:
 - a.** In the line that starts with `CLIENT`, replace `fwa1` with `ssl`.
 - b.** Stop and restart the Management Station (`fwstop/fwstart`).
- 5** Make sure you can load a policy to the module and obtain logs from the module.