Configuration Aid To Ingate Firewall/SIParator® - How To Move Configurations Between Ingate Units

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Table of Contents

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Moving Configurations Between Ingate Units

There are two types of configuration files that can be downloaded from Ingate products; configuration databases (`.cfg` files) and CLI files (`.cli` files).

Configuration Databases

Configuration databases can generally be moved between units. These are the criteria for a successful configuration move from unit A to unit B:

- The units must be of the same type (you can't move a firewall configuration to a SIParator or vice versa).
- Unit A must not have a higher version number than unit B.
- Unit A must not have more interfaces than unit B.

CLI Files

CLI files can be moved between units, with slightly different criteria for the move. The criteria also change depending on if you edit the CLI file before you upload it again.

If you just download and upload again, these are the criteria for a successful move:

- The units must be of the same type (you can't move a firewall configuration to a SIParator or vice versa).
- Unit A must not have a higher version number than unit B. (However, when moving a configuration from a newer version into an older, the CLI file can be used if any settings for new functions are removed from the CLI file.)
- Unit A must not have more interfaces than unit B.
- Unit B must have all the extra software modules that unit A has.

If you edit the CLI file, you can remove all the SIParator- or firewall-specific settings, all extra interface settings and all extra module settings, and by this overcome restrictions for moving the CLI file. You can also make it not remove the old configuration on the box.

All the descriptions below are for the 4.6 (and higher) version of the CLI.

Keep Configuration

This is the command to remove from the CLI file if the old configuration should be kept.

```
load-factory --all
```

Firewall-specific Settings

When moving a configuration from a firewall to a SIParator, you must remove all lines concerning these settings.

```
firewall.dhcp_relay
```

```
firewall.forwarding_rules
```

```
firewall.master_logclass
```

```
firewall.protocols
```

```
firewall.relays
```

`firewall.services` (if the SIParator does not have the Quality of Service module)

`firewall.timeclasses` (if the SIParator does not have the SIP Trunking or Advanced SIP Routing module)

```
ipsec.blacklisted_packets
```

```
ipsec.blacklisting
```

```
misc.dhcp_server
```

```
misc.dhcp_server_dns_servers
```

```
misc.dhcp_server_domain
```

```
misc.dhcp_server_give_ns
```

```
misc.dhcp_server_leasetime
```

```
misc.dhcp_server_netbios_nodetype
```

```
misc.dhcp_server_status
```

```
misc.dhcp_server_wins_servers
```

```
network.masquerading
```

SIParator-specific Settings

When moving a configuration from a SIParator to a firewall, you must remove all lines concerning these settings.

```
sip.public_ip
```

```
sip.st_type
```

```
sip.surroundings
```

Fewer Interfaces

When moving a configuration to a box with fewer interfaces, you need to look for the settings below and remove the lines for the extra interfaces.

If you move a configuration to a box with only three interfaces, there will only be eth0, eth1, and eth2 on that box. All configuration lines for eth3 and higher must be removed.

```
config.allow_via_interface
```

```
failover.iface_ref_hosts

firewall.network_groups

network.alias_addresses

network.interfaces

network.local_nets

network.masquerading

network.routes

network.vlans

qos.egress_default_queueing

qos.egress_queueing

qos.ingress_default_queueing

qos.ingress_queueing
```

Settings for SIP Trunking

When moving a configuration from a unit with the SIP Trunking module onto one without it, you must remove all lines concerning these settings.

```
sipswitch.b2bua_transfer_enable

sipswitch.b2bua_transfer_from_user

sipswitch.dial_plan_methods

sipswitch.enum_root

sipswitch.incoming_unauth

sipswitch.request_from

sipswitch.user_routing
```

- From the `sipswitch.dial_plan` settings, you must remove the "reqfrom", "enum_prefix" and "forward_prefix" fields.
- From the `sipswitch.forward_to` settings, you must remove the "account" and "regexp" fields.
- From the `sipswitch.request_to` settings, you must remove the "prefix", "min_tail_length" and "regexp" fields.
- From the `sipswitch.users` settings, you must remove all lines where the "type" field is not set to "user".

Settings for Remote SIP Connectivity

When moving a configuration from a unit with the Remote SIP Connectivity module onto one without it, you must remove all lines concerning these settings.

```
fent.fent
```

```
fent.fent_keepalive
fent.media_release
```

Settings for Advanced SIP Routing

When moving a configuration from a unit with the Advanced SIP Routing module onto one without it, but with the SIP Trunking module, you must remove all lines concerning these settings.

```
sipswitch.incoming_unauth
sipswitch.voicemail
```

• From the `sipswitch.user_routing` settings, you must remove the "aliases", "timeclass", "restrict_incoming", and "voice_mail" fields.

When moving a configuration from a unit with the Advanced SIP Routing module onto one without it, and without the SIP Trunking module, you must also remove all lines concerning these settings.

```
sipswitch.user_routing
```

• From the `sipswitch.users` settings, you must remove all lines where the "type" field is not set to "user".

Settings for Enhanced Security

When moving a configuration from a unit with the Enhanced Security module onto one without it, you must remove all lines concerning these settings.

```
idsips.active
idsips.predefined_ips_rules
idsips.rate_limited_ips
sip.tls_cacerts
sip.tls_client_cfg
sip.tls_server_cfg
sip.tls_settings
sip.use_tls
```

• From the `sip.media_encryption_rules` and `sip.media_encryption_policy` settings, you must remove the "allow_transcoding" field.

Settings for VoIP Survival

When moving a configuration from a unit with the VoIP Survival module onto one without it, you must remove all lines concerning these settings.

```
voipsm.voipsm
```

```
voipsm.voipsm_domains
```

```
voipsm.voipsm_pstn_gateways
```