



Product documentation

Innominate Security Configuration Manager 3.0 - Release Notes

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1 General information

1.1 ISCM packages

1.1.1 ISCM Release 3.0

ISCM 3.0 consists of the following packages:

- ISCM professional edition: Solsoft Firewall Manager 1.0.1 including the Solsoft documentation: **sfm-1.0.1-windows.exe**
- ISCM enterprise edition: Solsoft Policy Server 7.1 including the Solsoft documentation: **sps-7.1-suite-windows.exe** and **sps-7.1-client-windows.exe**
- Innominate technology package 3.0.0: **ssps-ddk-7.1-Innominate-mGuard-3.0.0-windows_signed.jar**
- ISCM documentation: **ISCM_Innominate_mGuard.pdf**: „ISCM Release 3.x.x“

1.1.2 ISCM Release 2.1

ISCM 2.1 consists of the following packages:

- ISCM professional edition: Solsoft Firewall Manager 1.0.1 including the Solsoft documentation: **sfm-1.0.1-windows.exe**
- ISCM enterprise edition: Solsoft Policy Server 7.1 including the Solsoft documentation: **sps-7.1-suite-windows.exe** and **sps-7.1-client-windows.exe**
- Innominate technology package 2.3.8: **ssps-ddk-7.1-Innominate-mGuard-2.3.8-windows_signed.jar**
- ISCM documentation: **ISCM_Innominate_mGuard.pdf**: „ISCM Release 2.1“

1.1.3 ISCM Release 2.0

ISCM 2.0 consists of the following packages:

- Solsoft Policy Server 6.0.3 including the Solsoft documentation: **sps-6.0.3-suite-windows.exe**
- Innominate technology package 2.3.8: **sps-ddk-6.0-Innominate-mGuard-2.3.8-windows.jar**
- ISCM documentation: **ISCM_Innominate_mGuard.pdf**: „ISCM Release 2.x.x, Document Revision 1.6“

1.1.4 ISCM Release 1.0.4

ISCM 1.0.4 consists of the following packages:

- Solsoft Policy Server 6.0.2 including the Solsoft documentation
- Innominate technology package 1.0.1: **sps-ddk-6.0-Innominate-mGuard-1.0.1-windows.jar**
- ISCM documentation **ISCM_Innominate_mGuard.pdf** : „ISCM Release 1.0, Document Revision 1.6“

1.2 Supported Innominate mGuard versions

1.2.1 ISCM Release 3.0

ISCM 3.0 supports all mGuard releases beginning with Release 2.0. mGuard features added after Release 3.0 are not supported.

1.2.2 ISCM Release 2.1

ISCM 2.1 supports all mGuard releases beginning with Release 2.0. mGuard features added after Release 2.2 are not supported.

1.2.3 ISCM Release 2.0

ISCM 2.0 supports all mGuard releases beginning with Release 2.0. mGuard features added after Release 2.2 are not supported.

1.2.4 ISCM Release 1.0.4

ISCM 1.0.4 supports all mGuard releases beginning with Release 2.0.

2 Features of this release

This section documents the features provided by this release.

2.1 Product description

2.1.1 Supported mGuard features

The configuration of the following mGuard parameters is supported by ISCM:

Network

- Network hostname
- Default gateway of network connected to the external interface
- IP-address of external and internal interface (IP-aliases are not supported)
 - Static or dynamic address of external interface
- Network modes: Stealth, Router, PPPoE
 - Automatic/Static or Multi Stealth Mode
 - PPPoE login and password
- VLAN support
 - Add VLAN tags to physical interfaces in Router Mode or to management interface in Stealth Mode
 - Create virtual VLAN interfaces

Firewall

- Incoming and outgoing firewall rules with comments
 - Enable logging for each rule or for unknown connection attempts
- Port forwarding rules
 - Enable log for port forwarding rules
- NAT (IP-masquerading)
- 1:1 NAT
- Enable connection tracking support for FTP, IRC and PPTP
- Configure the handling of external ICMP packets to the device (drop, allow all, allow ping)

VPN

- IPsec VPNs
 - Transport and tunnel mode. Transport mode can only be used if both VPN gateways are mGuards.
 - PSK
 - Certificates

Services

- DNS server
 - Hostname / FQDN
 - Servers to query (User, Provider defined, DNS root server)
- NTP server
 - Server address
 - Time zone

- Syslog server
 - Server address

Access

- Enable/disable SNMP, HTTPS access (SSH access has to be always enabled to allow the upload of the generated configuration)
- Select protocol (port) for SNMP, HTTPS, SSH access
- Configure firewall rules for SNMP, HTTPS and SSH access

Features

- Initiate remote update
 - Name of package set
 - Name of update server
 - Authorization data
- Configure configuration pull parameters
- Router redundancy (Static Stealth or Router Mode)
- Automatic Configuration Adapter (ACA) configuration

2.1.2 Special ISCM features

To get an complete overview over the ISCM features, please refer to the Solsoft documentation. The following features are supported by ISCM:

General features

- Multiple projects (depends on your license)
- Tracking of project changes
- Multiple users / collaborative process (depends on your license)
- Support non-mGuard devices (depends on your license)
- Tunnel groups (depends on your license)
- Web reporter (depends on your license)
- Web services API (depends on your license)

Features supported by the Innominate technology package

- Rollback to previous
- Rollback to original
- Get original configuration
- Check device connectivity
- Roll-out support
- Learning mode

Refer to the ISCM manual or the Solsoft documentation to get a more detailed description of the features.

2.2 Changes since previous releases

For the changes of the Solsoft Policy Server please refer to the Solsoft documentation.

2.2.1 Changes from ISCM 2.1 to ISCM 3.0

- Added support for certificates (VPN authentication)
- Added VLAN support
- Added support for router redundancy
- Added configuration for default gateway
- Added Automatic Configuration Adapter (ACA) configuration
- Added support for automatic configuration pull parameters
- Added support of management IP for Stealth Mode
- Added 1:1 NAT support
- Added comments in firewall rules
- Added Learning mode

2.2.2 Changes from ISCM 2.0 to ISCM 2.1

- Updated Innominate technology pack for the usage with Solsoft Firewall Manager 1.0 and Solsoft Policy Server 7.1.

2.2.3 Changes from ISCM 1.0.4 to ISCM 2.0

- Removed ISCM installer. The Solsoft Policy Server and the Innominate technology pack have to be installed separately now.

2.2.4 Changes from Innominate technology pack 1.0.1. (initial release) to Innominate technology pack 2.3.8

- Added configuration of stealth (mGuard only) and PPPoE mode
- Added configuration of automatic/static stealth mode
- Added configuration to enable/disable remote access and define protocol/port for remote access
- Added support for transport mode VPNs
- Added configuration of NTP, DNS and Syslog servers
- Added actions „Rollback to original“, „Rollback to previous“ and „Get original configuration“
- Added action „Check device connectivity“
- Added „Roll out support“
- Added comments for filter rules in the configuration file

3 Identified issues and workarounds

For further restrictions please refer to the ISCM manual.

| | <i>Description</i> |
|------------|---|
| Synopsis | Router redundancy: The parameter „Virtual Router ID“ is not written to the configuration file if the devices are operated in Router Mode. |
| Symptom | Since this parameter is not part of the configuration file, the default value will be assigned by the mGuard. As long as only one redundant cluster per network is operated this will not result in any problems. If more than two clusters are operated in the network the operation may fail. |
| Workaround | If more than one redundant cluster is operated then the Virtual Router ID has to be set manually on the device. This behaviour will be fixed in the next Solsoft release. |

| | <i>Description</i> |
|------------|--|
| Synopsis | Import/migration of ISCM2.x projects: The 'Virtual VPN' interface is set to 'Trusted Stealth' instead of 'Virtual VPN interface'. |
| Symptom | When importing ISCM 2.x projects the 'Virtual VPN' interfaces will be set to 'Trusted Stealth'. This will result in an error message during compilation. |
| Workaround | Configure the 'Security Zone' of the interface again to 'Virtual VPN'. |

| | <i>Description</i> |
|------------|---|
| Synopsis | Import/migration of ISCM3.0 beta projects: The interfaces of devices operated in PPPoE or Stealth Mode will be reset to the default: 'Untrusted'. |
| Symptom | When importing ISCM 3.0 beta projects the parameter 'Security Zone' of the interfaces of device operated in Stealth mode or PPPoE mode will be reset to the default settings: 'Untrusted'. This will result in an error message during compilation. |
| Workaround | Configure the 'Security Zone' of the interface again to the required zone. |

| | <i>Description</i> |
|------------|---|
| Synopsis | Update of mGuard fails if the admin account is used for upload |
| Symptom | When updating an mGuard with a reboot the reboot fails, if the admin account is used to upload the configuration. |
| Workaround | Use the root account for the upload. |

| | <i>Description</i> |
|----------|---|
| Synopsis | Serial number has to be specified when using roll-out support |
| Symptom | The manual states on page 58: „The name of the export file will be <serial.atv>.If no serial number is specified the name of the mGuard will be used for the filename.“ The name of the mGuard will not be used, the serial number has to be specified on order to generate the configuration files. |

| | <i>Description</i> |
|------------|--|
| Workaround | Specify serial number to be used as filename for the configuration file. |

| | <i>Description</i> |
|------------|---|
| Synopsis | Rollback to original configuration does not show 100% completion |
| Symptom | When using 'Rollback to -> Original configuration' the progress bar does not show 100% completion, although the rollback has finished successfully. |
| Workaround | - |