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Application Note:
GateManager Internet requirement
and port settings

Informational document regards GateManager Internet requirement.

Who to read this document:

This document is intended for the person in charge of configuring and install-ing the internet connection, usually the same person who maintain the cor-porate internet gateway/firewall.

This document is an extract of the GateManager installation guide. If needed se more details on the Secomea website – www.secomea.com

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Table of Contents

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1. Firewall

For security reasons it is strongly advised to place the GateManager Server behind a NAT'ed firewall.

2. Additional requirements

2.1. SMTP server

The GateManager needs a SMTP server to be able to send alerts notifications. The FQDN or IP address of the SMTP server must be available.

2.2. No SMTP server available

In case there is no SMTP server available the GateManager it self can send the alert notifications direct. Though this require that the public IP address of the GateManager has a rDNS record (reverse DNS) e.g. the IP address must have a PTR record. If no rDNS is available the mail is likely blocked by internet spam filers.

2.3. NTP server

To ensure proper operation of scheduled commands, the GateManager Server should have a time server available.

2.4. Backup or failover

Depending on the selected setup, the system either use a FTP server for "backup" or a secondary GateManager server as "failover". These servers can be remote located or as the easy solution be a local representation.

2.5. Bandwidth requirement

The average bandwidth consumption is approximately. 128kbit/sec (based on default settings and 5,000 appliances). Added to this is the backup procedure, firmware bulk update and other bandwidth required procedure that has to be taken in consideration.

More bandwidth consuming is the number of Remote Desktop processes. Each online RDP session take up 100kbit/sec or more.

All in all, the recommended internet bandwidth is between 512k -2MBit/sec. up- and down-load.

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3. GateManager

The following figure list the requirements for the GateManager Server installation to fulfill the Internet Access requirements.
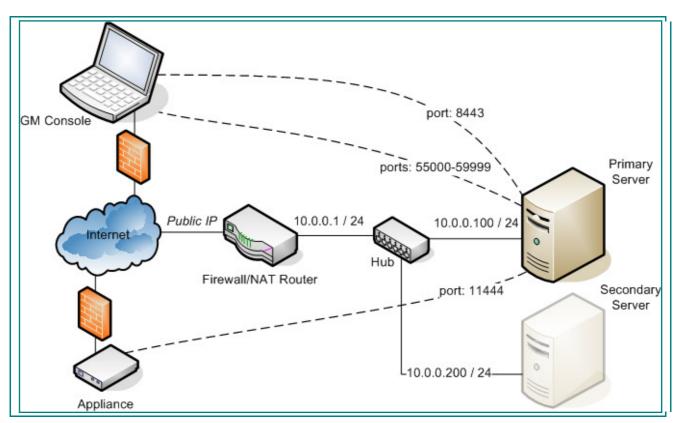

fig. 1

Figure 1 show an example for a GateManager setup. The IP address 10.0.0.100 is just an example and can be any address or subnet.

The Secondary Server shown in figure 1 is also called the Backup-Site. Depending on the chosen setup this can be a GateManager Server (for hardware failover) or a FTP –server (NAS).

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3.1. Port requirement

The following table list the necessary ports to be forwarded/nat'ted from the public IP address to the GateManager local IP address:

Outside -> Inside (Destination NAT)

	Public	Local
TCP:	8443	-> 8443 (from GM Console)
	80	-> 11444 (from appliance)
	443	-> 11444 (from appliance)
	11444	-> 11444 (from appliance)
	55000-59999	-> 55000-59999 (from GM Console)

The following table list the ports that must be allowed from the GateManager Local address to the internet:

Inside - > Outside (firewall allow)

TCP:	11444 (from GM Server)
	25 (SMTP traffic)
	21 (FTP traffic for system upgrade) passive or active mode
TCP/UDP:	123 (NTP)

The following table list the port that must be allowed from the Backup-Site to the GateManager Local address:

Backup-Site -> GateManager local address

TCP:	873 (rsync)

The following table list the port that must be allowed from the GateManager Local address to the Backup-Site:

GateManager local address -> Backup-Site

TCP:	21 (FTP traffic)

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4. Notices

Publication and copyright

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