GateManager 8250 Setup Guide - Red Hat Enterprise Linux

Introduction

The following example of Linux preparation is based on a VM (Virtual Machine) using 64bit Debian 10.2.0, and a fully working internet connection with an IP address accessible from the Internet and all ports forwarded to the server.

System

Minimum system requirements

These are the minimum system requirements; these numbers include both Red Hat Enterprise Linux 8 and GateManager Requirements.

Install Type	CPU	RAM	Storage
No Desktop	1.7 GHz - 2 Cores	4 Gigabytes	32 Gigabytes

Recommended system requirements

These are the recommended system requirements; these numbers include both Red Hat Enterprise Linux and GateManager Requirements. These requirements aim to ensure future proof stability.

Install Type	CPU	RAM	Storage
No Desktop	3 GHz - 2 Cores	6 Gigabytes	50 Gigabytes or more

GateManager domain requirements

A **Fully Qualified Domain Name** (FQDN) is required for a normal installation. The FQDN must be publicly registered (ex. gm.<your company>.com) and have a DNS A-Record pointing to the Public IP-Address of the GateManager Server.

If your GateManager is an "offline" GateManager, meaning you do not have an FQDN /Public IP, you must contact Secomea Support at support@secomea.com.

Downloading Red Hat Enterprise Linux

You may need to install a C++ 32-bit library (See more under "Package Requirements")

Red Hat Enterprise Linux can be downloaded HERE For this guide we'll be using the "*Red Hat Enterprise Linux 8.1 Binary DVD*" 64-bit image file, more about the different versions can be found HERE and on the linked download page. (32-bit is also supported)

Getting Started

Change the Linux Password (Not Required)

This step is only required if you chose a generic or non-secure password during your install of RedHat Enterprise Linux. If you chose a secure password or accept the risks of using an insecure password, please skip this step.

Login to the server with your SSH client. If configuring from Windows, we recommend PuTTY

Use the following command to initiate password reset:

passwd

Cleaning up Linux (RedHat Enterprise Linux)

You should disable all per-installed non-critical services and remove non-critical packages, you can read more about RedHat Enterprise Linux non-critical packages HERE. Services you should make sure is running are:

crond, gatemanager, iptables**, network, ntpd, sendmail*, sshd

(*) Or other mail service, such as postfix

(**) Only required if you do not have a firewall before the GateManager (May also be replaced with other firewall services)

Prepare Network Configuration / Physical Server Location

What ports are used by GateManager 8250

IMPORTANT

- Source NAT: The GateManager requires the source IP and therefore it's highly recommended to not use Source NAT on devices talking to the GateManager. This is especially true for the GTA Ports and account login logging.
- Proxies and Certificates: It is not possible to use Proxies like "Zscaler" that manipulates certificates, if you are using a proxy that manipulates certificates you might experience SiteManagers are unable to connect.
- Proxies and TLS: It is not possible to use proxies that manipulates TLS Client hello packets, if you use such proxy you might experience SiteManagers are unable to connect.
- Port Forwarding: Set appliance port as 443 in GateManager Configuration and Port Forward 80, 443 and 11444 to 443 in the Firewall towards the GateManager.

SiteManagers and LinkManagers connect to the GateManager Server public IP address on

TCP port 443 (standard https/TLS), 80 (standard TLS over http) or 11444 (Secomea ACM /TLS).

If using an outer Internet firewall / NAT router it must be configured to forward all incoming connections on a fixed public IP address, or at least connections to port 443, to the GateManager Server private IP address.

GateManager Administrator Web portal also connects to the GateManager Server on TCP port 443. IMPORTANT: If placed behind a NAT router, it must NOT do masquerading of incoming connections. The GateManager must be able to determine the original source IP. Through the administrator Web portal, the administrator can take access to the web interface of SiteManagers, LinkManagers and web enabled devices connected to the SiteManagers. This feature uses TCP port range 55000- 59999, and for this feature to work from the outside, the NAT router must be configured to forward incoming connections to these ports to the corresponding ports on the GateManager Server.

Local IP Address – If the Linux OS receives its IP address from a local DHCP server, the DHCP server must be configured to always provide the same local address.

Public IP Address - A publicly accessible IP address must be assigned to the GateManager Server. It is recommended that a Reverse-DNS record is assigned to this IP address. This will prevent most of the spam-filters/systems to block alert and account emails from the GateManager Server. Contact you ISP or IP address provider for details.

Configuring your Firewall

IMPORTANT: The GateManager MUST be firewall protected. If the GateManager Server is directly attached to the Internet, or all ports are forwarded to the GateManager from the Internet, then the build-in firewall on the Linux system must be enabled.

The following ports must be forwarded or "Destination NATed" from the public IP address to the Linux (Debian) System's local IP address. All other ports should be blocked to prevent unauthorized use.

The ports are marked as follows:

RED: Ports that must be opened for the system to work.

BLUE: Ports that must be opened for obtaining optimal functionality

GREEN: Recommended, but only needed for special scenarios

From Outside to Inside

Protocol	Outside	Inside	Description
тср	80	11444 (or 80)	Appliance
TCP	443	11444(or 443)	Appliance/Web GUI
тср	11444	11444	Appliance
тср	55000-59999	55000-59999	Go To Appliance (GTA)
тср	5900	5900	VNC Support LM Mobile
TCP	5800	5800	JavaVNC Support LM Mobile
тср	3389	3389	RDP Support LM Mobile

In case the GateManager Server will be accessed from inside the private network where it is located, the destination NAT rules must reflect that. This is the case if access from SiteManager, LinkManager or Administrator portal access is made from the same network as the local address of the GateManager.

Port 5800, 5900, 3389 is used for LinkManager Mobile. The ports are controlled and secured by the GateManager and are NOT to be compared with common JVNC, VNC and RDP access to a PC. Only the validated LinkManager Mobile session that requests a connection will be allowed access.

From Inside to Outside

Protocol	Port	Description
ТСР	25	SMTP/Mail*
ТСР	21	For FTP backup to external server
ТСР	443	For license control and Web Proxy**
TCP/UDP	53	DNS*
TCP/UDP	123	NTP*

(*) If the GateManager Server is using a DNS server or NTP server or an internal SMTP server

for relaying emails - then these ports are not necessary to open.

(**) Can be restricted towards gm00.secomea.com (193.242.155.100)

(***) The WEB Proxy (squid) allows a PC attached to the DEV port on a SiteManager to be able to browse the internet through the GateManager Server.

You can follow the official guide on how to use Firewalld HERE

GateManager Installation

Package Requirements

These packages are the minimum required packages to run Debian and GateManager

You can see the table below for the different packages and how to install them or run the following command to install all packages.

```
yum install -y gawk gzip zip unzip tar grep coreutils perl
openssl net-tools telnet psmisc sendmail wget libstdc++
libstdc++.i686 zlib zlib.i686
```

Table of packages:

Package Name	Install Command	Link
--------------	-----------------	------

GNU awk	yum install -y gawk	Red Hat Package Manifest
gzip	yum install -y gzip	Red Hat Package Manifest
zip	yum install -y zip	Red Hat Package Manifest
unzip	yum install -y unzip	Red Hat Package Manifest
tar	yum install -y tar	Red Hat Package Manifest
grep	yum install -y grep	Red Hat Package Manifest
uname	yum install -y coreutils	Red Hat Package Manifest
perl	ymu install -y perl	Red Hat Package Manifest
base64	yum install -y coreutils	Red Hat Package Manifest
openssl	yum install -y openssl	Red Hat Package Manifest
netstat	yum install -y net-tools	Red Hat Package Manifest
dirname	yum install -y coreutils	Red Hat Package Manifest
logger	yum install -y bsdutils	Red Hat Package Manifest
telnet**	yum install -y telnet	Red Hat Package Manifest
killall	yum install -y psmisc	Red Hat Package Manifest
sendmail	yum install -y sendmail	Red Hat Package Manifest
ip	yum install -y iproute2	Red Hat Package Manifest
wget	yum install -y wget	Red Hat Package Manifest
ftp*	yum install -y ftp	Red Hat Package Manifest
libstdc++	yum install -y libstdc++	Red Hat Package Manifest
libstdc++.i686	yum install -y libstdc++.i686	Red Hat Package Manifest
zlib	yum install -y zlib	Red Hat Package Manifest
zlib.i686	yum install -y zlib.i686	Red Hat Package Manifest

(*): The "ftp" package is only required if you are using FTP Backup

(**): The "telnet" package is only required during install and can safely be removed after.

Get the GateManager 8250 Installer and Install the GateManager

You need sudo/root permissions to run some of the following commands. If you are not root and do not have access to the "sudo" command. Please contact your IT-Department

Download the latest GateManager 8250 Installer (For Linux) file from the Secomea Firmware site found HERE, and upload the file to the GateManager server (by using a program like WinSCP, FileZilla or alike).

You can also use "wget" to download the GateManager 8250 Installer to your server.

This can be done by using the following command:

wget --content-disposition https://firmware.secomea.com/download
/gatemanager/8250/XX

To download the newest version of GateManager 8250 please run the following command instead:

wget --content-disposition https://firmware.secomea.com/download
/gatemanager/8250

Once you have file on your server go to the folder where the file is located and run the following commands:

tar -xvzf Secomea_GateManager_Installer_x.x.xxxx.tgz

Run the install script using the following command:

./RUN_GM_INSTALLER

		GateManager (TM)
Copyright	(c) 20	03 - 2019, All rights reserved.
ecking prere		eç
centing preres	441310	63
quired progra	ams:	
GNU awk		OK
id		OK
gzip		OK
zip		OK
unzip		OK
tar		OK
grep		OK
uname		OK
perl		OK
base64		OK
openssl		OK
netstat		OK
dirname		OK
logger		OK
telnet		Not found
killall		OK
ip		OK
		OK

If any required programs are missing, you can find the list and how to install them under "Minimum Package Requirements".

In this example telnet is missing so we will need to install it before we can continue with the install.

Run the GateManager installer again to verify any other missing programs. When all programs are available the installer will prompt for continuing:

I GENERAL TERMS
In relation to general use of the Secomea solution, you should refer I to the terms presented to you at first time login to the GateManager I Portal.
I *** BY CONTINUING WITH THE INSTALLATION, YOU ACCEPT THESE TERMS. ***
No GateManager installation found
Do you want to install GateManager 9.0.19405 [Y/n]

You will then be prompted to fill the Server identity information. This is the information the GateManager license will be based on, and if the information is insufficient your application for a license may be rejected.



Example:

Company name: [Secomea]
Department: [Support]
Country/state name: [Denmark]
Country code: [DK]
City: [Herlev]
Email: support@secomea.com
Keyword(s): Secomea GateManager Support
Please verify the information you have entered:
Company Name: Secomea Department: Support Country Name: Denmark Country Code: DK City: Herlev Email: support@secomea.com Keyword(s): Secomea GateManager Support
Is this information correct [V/n]

When done, you will be prompted if you want to start the GateManager.

If you want to start the GateManager at a later point you can use the command:



Check the server is running with the following command .:

telnet localhost 777

Then run the following command:

status	
:~\$ telnet localhost 777 Trying ::1	
Trying 127.0.0.1	
Escape character is '^]'.	
master: Management console opened from 127.0.0.1	
GateManager version: 9.2.620087463	
Server time: Mar 17 10:25:04 2020	
+242425 31> status	
GateManager version: 9.2.620087463	
Database usage: 4897 KB of 250 MB	
Connected: 31 (81 agents) of 528	
Active UI conn: 28 (total 0)	
UI servers: 44	
WEB servers: 0 (total 5162)	
Agent: Connected to Local GateManager at (acm)	

In this case you can see that the server is connected to the Secomea audit GateManager.

If you are connected to the same local network, you would now be able to connect to the GateManager Administrator Portal with a Web browser.

We recommend the web browser Chrome for best user experience or alternatively Firefox, Safari or Microsoft Internet Explorer (minimum version 9).

GateManager	19950
GateManager Login	
() Getforer	
8 Garmana Ministration	
Report .	
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Write "Administrator" in the "User name" field and fill out the "Password" field with the default password "gatemanager".

GateManager secomea	
GateManager Login	
Certificate:	
User name: Administrator	
Password:	
Login	
	secomea

The Portal window, will inform about missing licenses and certificates



- **Trial Mode.** This indicates that the GateManager does not have a unique TLS certificate installed. The GateManager will be fully functional. Installing a TLS certificate will give your GateManager a unique identity, which increases the security, as your SiteManager will then be bound to this server and fully prevent man-in-the-middle attacks through identity spoofing.
- GateManager Soft Dongle missing. This means that the GateManager is running in DEMO mode. In DEMO mode, the GateManager supports one LinkManager one LinkManager Mobile and two connected Appliances (SiteManager or TrustGate). It is not allowed to use GateManager for production purposes in DEMO mode. Installing a Soft Dongle will remove the LinkManager limit, and in-crease the max number of appliances limit (see Section 4 on page 20 for more info on ordering licenses).

Post Installation Tasks

How to enable Backup

Go to Server > Config > Server Backup and click the "Edit" button.

Tree Files Licenses Server							
Status Log Mail Config C	ertificates Route	s Tools	Backups	Admins			
GateManager Configuration							
Edit							
Basic Setup							
+ 🛔 Primary (Public/Private) Interface	Setup						
Secondary Interface Setup							
🕨 🃸 Go To Appliance / Relay Settings							
▶ 🥁 Mail Settings 💡							
> 💡 SMS Settings							
💌 📳 Server Backup							

Backup to a local disk

Ensure "Backup to disk" is enabled and then specify the target directory for the backup.

📳 Server Back	up.
Backup to disk:	2
Target Directory	/backup/
Backup Password:	
Keep local backups:	3 days

Backup to an FTP Server

Enable FTP Backup by check marking the "FTP Backup" field.

Fill out the following information:

FTP Host: The target FTP Server's FQDN or IP

FTP Directory: The folder where the backup is placed

FTP User

FTP Password

Checkmark "Toggle Passive" if Passive FTP mode is required.

FTP Backup:	2	
FTP Hosti	backup.company.com	
FTP Directory:	/backup	
FTP Users	ftpuser	
FTP Password:		
Toggle Passive:		

Backup to an SMB Share

Enable "SMB Backup" by check marking the "SMB Backup" field.

Fill out the following information:

SMB Share: Path to the target share (e.g. //10.10.10.10/backup/)

SMB Directory: The sub folder where the backup is placed

SMB User

SMB Password

SMB Workgroup

SMB Backup:	2
SMB Share:	//10.10.10/backup
SM8 Directory:	/gmbackup/
SMB User:	smbuser
SMB Password:	
SMB Workgroup:	

Perform basic configuration

This section will focus on configuring the minimum settings required to make the GateManager server fully operational.

In the following, we will refer to settings like <GM Address> or FTP server credentials.

Configuring GateManager environment settings

To make the GateManager operational, you must configure the following minimum settings on the GateManager

Define a Server Name and Browser Title

Login with the default administrator account

Select Server > Config and select Edit for the Basic Setup section.

tog min	Config	Certificates	Routes	Tools	Backups	Admins	
teManager Confi	guration						
dail Settings: Default Mai	From is inc	omplete.					
Rasic Setup							
Server Neme:							
Server Name: Server Brouser Title:	GateManage	,					
Server Neme: Server Browser Title: O Customer Id:	GateManage SECOMEALD	r KLSECOMEALGATI	MANAGER_SU	PPORT			
Server Name: Server Browser Title: Oustomer Id: Server Serial Number:	GateManape SECOMEA_D FE-CD-AS-60	r KLSECOMEALGATI LF6:77	EMANAGER_SU	PPORT			

Enter a unique name for the server, and the information that should be displayed as browser name when accessing the server using the GateManager Administrator web portal and LinkManager Mobile. Select **Save**.

and the second	Carlo	Continues		Teste	- Beatimers	a destant	1
itus tog Main	Coning	certificates	Routes	TOOIS	oackups	Admins	
toMonogor Confi	ourstion						
temanager conn	guration						
Aail Settings: Default Ma	From is inc	omplete.					
-							
And Mananci							
Basic Setup							
Server Name:	Acre_GM						
Server Browser Title:	GateManage	r					
Customer Id: SECOMEA_DK_SECOMEA_GATEMANAGER_SUPPORT							
Customer Id:	Server Serial Number: FE CD:A5:60:F6:77						
Customer Id:	FE:CD:A5:60	CF6:77					

Enter/verify the Primary DNS server

The GateManager will need access to a DNS server, in order to resolve the external hostname of itself (if used), and for resolving the mail relay server and NTP server.

DNS and NTP settings are configured based on Linux (Debian) settings. To change these settings you must change the Linux settings. Read more about how to setup both here: DNS Guide - NTP Guide.

Enter the Public Hostname

- if no Public Hostname (FQDN) has been assigned to the server, then you must enter the Public IP address in the External Public Hostname field.
 - If there is no FQDN assigned to the server is it not possible for Secomea to automaticly install new licenses – Contact Secomea for more Information

Be aware that the Public Hostname is encoded into the activation license (Soft Dongle) and changes to these settings may invalidate the license. Under WAN/LAN/Primary (Public /Private) Interface Setup enter the FQDN (Fully Qualified Domain Name) or the Public IP address for this server and press Save.

Do NOT select Restart server yet!

Tree Files Licenses Server			
Status Log Mail Cardig Certificates Routes Too	ols Backups Admins		
SateManager Configuration			
A trai bezings: Default Mai Provi is incomplete.			
Cancel State Review II			
- A Basic Setup			
 A Primary (Public/Private) Interface Setup 			
Public Interface Orfect • Balancel Public	Ma Mastrama (pri company.com		
D fold-water External Put	Mic Address	4	
Reduced Washington and State and Sta	Fort range: \$5000-58999		

Possible error messages:

If the system reports Unknown hostname it can be related to the fact that no DNS server has been configured, or the DNS server is not working.

In this case, you will have to contact the IT administrator responsible for the GateManager installation and/or check the Linux (Debian) DNS and NTP Settings.

Tree	Files	Licenses	Server								
Statu	s Log	Mail	Config	Certificates	Routes	Tools	Backups	Admins			
Gate	GateManager Configuration										
ERR	ERRORS IN CONFIGURATION NO CHANGES SAVED										
ext_p	.ext_public_hostname: Unknown hostname: 'gm.com pany.com'										

You can use the Tools menu to speed up the troubleshooting process

Tree Files Licenses Server										
Status Log Mail Config Certificates Routes Tools Backups Admins										
Trace and debug tools										
Hosti gm.c	ompany.c	om								
Ping Trace Route										
Search obje	ect: Enter	name, ser	ial, ip, or id	Q	uery					

When the settings have been configured and saved correctly, select the "Restart now" button.



Configure mail settings

The ability to send email is required for the GateManager!

GateManager 8250 always uses the Linux systems mail client to either send or relay mails. It is not configured in the GateManager menus, normally sendmail or alike is used.

We recommend using Postfix, you can read more about configuring Postfix HERE. For sendmail, you can find more at sendmail.org

Tree	Files	Licenses	Server						
Status	Log	Mail	Config	Certificates	Routes	Tools	Backups	Admins	
GateMa	anager asic Setu	Confi	guration						
• & P	rimary (P	ublic/Pri	vate) Inter	face Setup					
As	econdary	Interfac	e Setup						
⇒ 8₫ G	o To Appl	iance / F	lelay Settin	95					
- 😡 H	all Settin	g= 9							
Defai	It Mail Fro	mi Gate	Manager		do-not-repl		٥		>
Max	SMTP Reci	pienta: 23	ŝ	Test Mail To: From: St	ellenager odo	-not-reply@i	levpad dk>		Send Mail

You can use the Test Mail to test your email configuration

Refer to the light bulb for further explanation.

Test mail settings.

You should check with the Test Mail option that your settings are correct and are accepted by recipient mail servers.

Enter the Mail Settings section and type your email and click Send Mail.

🕶 🥁 Mail Settings 🖗				
Default Hall From:	GateManager	< do not-reply	Secorrea.com	>
Nex SMTP Recipient	a: 25	Test Mail To: From: CateManager.cdo-not-rep	ly#secorrea.com>	d Mail

The resulting email would look like this:



Hello

This is a GateManager Mail Test message

The quick brown fox jumps over the lazy dog

0123456789

äöüï éèáàó æøå ÆØÅ

Best Regards

GateManager Server Administrator

Setup Server Administrator account(s)

It is highly recommended to change the default Server Administrator account password (gatemanager), to something stronger. It is also advisable to enable two factor logins for the account by changing Authentication from "Username and Password" to "Certificate / Password".

Select the Tree tab, and enable viewing of user accounts, by clicking the account icon so its background turns light blue. You will now see the account that you are currently logged in with displayed with a green background.

Tree	Files	Licenses	Server	
\$	1	310		
🖻 🔂 R	OOT FREE			
-2	🕽 Adminis	trator ()		
- 4	⁰ Max. A	Appliances (Ga	teManager a	#1)
- 🖷	🖡 ¹ Standa	rd Pool (SiteM	anager Emb	edded Ex
-	🖡 ¹ Standa	rd Pool (LinkN	lanager Mol	bile #fffff
	¹ Standa	rd Pool (LinkM	lanager #fff	ifff)

Click on the Administrator account and insert your own name and email for the account.

Select Save.

Tree Files Licenses Server	
P \$4448367	🔃 🔹 - Administrator - drag to join: 🔒
	Annual Construction of the second secon

Standing in the Root domain, select Accounts and click the plus sign to create a new account:

Ties Files Licenses Server						
5 T 6 6 8 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	+ + C1+ROOT					
b 🔤 8000 🚥	Domain Archity Dom	Accounts	Licenses Appli	Aleta	Actions Messages	
- S viscossis (01+-9×	8 100 (Line)		where t of t wave	e 2	
	E Login Maria (1		Auth Last			
	📋 🕵 Administratur	Earcar Administratio	- Dearnama 2020-04-4	0 14-06-00 170-163	16.49	

Fill in the following minimum settings as shown below and click "Save":

Tree Files Licenses Server		
0 * 1 2 3 4 4 4 4 1	🗢 👄 🤱 - (New account)	
© 10 12 10 000 0 0 0 0 0 0 0 0 0 0 0 0 0	(* 1. 3. no mand) (* 1. 3. no mand) (* 1. 3. no mand) (* 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	
	Cover Housed Cover Centure	

In the mailbox of the email you entered, you should now receive an email with the certificate attached:

	GateManager Certificate for Example User on Dimension
?	Gatelilanager non-oninatisfancemen com
	Hela
	This mult contains you personal conflicte for the Tecomma CaleManager administrator logit. The proceeder associated with the conflicted to buildNo2zz11 vVNp
	Seve the attached file, Exemple_User.pmc, in a document loder on your companies.
	Foliou filis lock to the GateManager login screen lingur (
	The login screen will ask yos to load the certificate file and enter the percented.
	GataManagar has been verified to verik with Internet Explorer 11. Edge, Chrome, Opera, Sarlut, and Freiter. Please ensure that your brooser is up-to-date and has JandScipt and TLS 1.2 analysis If you have problems connecting.
	Additional Information
	The certificate in this mail is lowed to user "Example User" in domain
	Secures appliances, such as a DiaManager, that should be administered by this account, or by UniAlianager sears created by this account, should be configured with the following GateManager settings:
	Gatelitanger Address: Domain Taken
	For more information phases check https://www.secontea.com.
	Beat reports

You now have a backup Server Administrator account, and you can safely change the password of the default Server Administrator account, and enable certificate authentication for it, we do however recommend disabling the default Administrator account.

DO NOT LEAVE THE DEFAULT ADMINISTRATOR ACCOUNT WITH THE DEFAULT PASSWORD, AS THE ACCOUNT IS EXPOSED ON THE INTERNET.

By default, the GateManager is running in Trial mode, which means it supports only one LinkManager, one LinkManager Mobile and two connected Appliances (Appliances being SiteManagers).

You will need to install an activation license (aka Soft Dongle) to remove the trial pop-up and remove the appliance limit and allow the GateManager to be used for production purposes.

This is done by Contacting your Local Distributor or Point of Purchase.

Installing Licenses

Activation License(s)

If the GateManager is online (connected to the Internet), Activation Licenses will automatically be installed on the GateManager by the License Portal.

Contact your local Distributor or Point of Purchase to purchase a GateManager license.

Verifying if GateManager is Online

If Online the GateManager is capable of being automatically activated and/or having additional licenses automatically installed by the License Portal.

Check if the GateManager is Online Under Server Status:

Tree Files Licens	es Server	My Account	About	Logoff	
Status Log Mai	l Config Certificates Routes To	ols Backups	AL Pas	word	
Attention needed!					
During Constants	The Training of the second second				
ing Gatemana	ger that its certificate view				
GateManager Stat	us				
Server time:	2016-07-04 22:24:52 (20:24:52 UTC)				
Firmware version	GateManager 9250, v9250_7.0.16267				
Serial number:	9250:00:0C:29:23:78:04:AC1010C2				
License ID:	qRCjs3l0CRBycHNSlsoq7N2P-JEf				
Last backup:	2016-07-04 04:02:00				
GateManager:	Connected to Service GateManager at 193.242.	155.100 (tls)			
Database Usage:		0 %			
Database Memory:	250 MB				
Disk Usage:	0.%				
Database Storage:	1 KB				
A	0 MB				
Abdit Log storage:	OMB				
Firmware Storage:	0 MB				
Audit Log Storage: Firmware Storage: Internal Backup Storage:	0 MB 0 MB				
Audit Log storage: Firmware Storage: Internal Backup Storage: Domains:	0 MB 0 MB 0 MB				
Audot Log Storage: Firmware Storage: Internal Backup Storage: Domains: Accounts:	0 MB 0 MB 3 1				
Audit Log Storage: Firmware Storage: Internal Backup Storage: Domains: Accounts: Appliances:	0 MB 0 MB 3 1 1				
Audit Log Storage: Firmware Storage: Internal Backup Storage: Domains: Accounts: Appliances: Alarts:	D MB O MB O MB 3 1 1 0				
Aust Log storage: Firmware Storage: Internal Backup Storage: Domains: Accounts: Appliances: Alerts: Ucense Pools:	0 MB 0 MB 3 1 1 0 20				
Adoit Log Storage: Firmware Storage: Internal Backup Storage: Domains: Accounts: Appliances: Alerts: License Pools: Massagas:	0 MB 0 MB 3 1 1 20 20 0				
Adoit Log Storage: Firmvare Storage: Domains: Accounts: Appliances: Alerts: License Pools: Massages: Perfexb. Compact.	0 MB 0 MB 0 MB 1 1 20 0 6 Retain More so				

If your GateManager is not online, the email from the License Portal confirming the order will have the licenses attached for manual installation.

Verifying that activation was successful

Before Activation the "Max. Appliances license" in the tree view will be red and show "0".

Tree	Files	Licenses	Server	
\$	1	1004		
🗄 🔂 R	OOT FREE			
	Adminis	trator ()		
(E	ax. A	ppliances (Ga	teManager	#1)
	Standa	rd Pool (SSL C	lient #ffffff)
-	📕 ¹ Standa	rd Pool (LinkM	lanager #ff	ffff)
-	🖡 ¹ Standa	rd Pool (LinkN	lanager Mo	bile #ffffff)
L	🖌 🖌 secom	ea.com @ seco	omea.com -	148.251.223.2

After activation this value will be 25-5000 according to the ordered GateManager license agreement.



If additional licenses were ordered, they will also be visible in the "Tree" view

Updating your GateManager

Download the newest firmware for the GateManager 8250, which can be downloaded using the following link: https://firmware.secomea.com/download/gatemanager/8250

Upload the firmware to the GateManager Server via the web interface by doing the following:

Select Files > Firmware and then click green plus button

Tree Files Licenses Server					
Status Firmware Templates Scripts					
Firmware Repository					
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GateManager Firmware					

Then click "Choose file" button and select the firmware file you downloaded earlier.

Then click the "Upload" button.

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Then select the "Tree" menu and choose the GateManager server. Then click the "Upgrade" button.

Tree Files Licenses Server	
SYN X & BERAM	9
A Cale Administrator 0	Appliance Apents Aleris Actions Audit
- 👦 ⁹ Hox: Appliances (CateManaper #1) - 🕎 ¹ Standard Pool (ItaManaper Ethibedded Extended, 5 Agents #1919)	Name Product: Galeffanger (200 Product: Galeffanger (200
- 1991 Standard Pool (LinkMassager Mobile #1979) - 1991 Standard Pool (LinkMassager 2019)	Crusteen 2020-01-00 13-22 Secret ID
	Freemann: prv9.1.820021002 +8280_828002003 2009808

Then click the "Upgrade" button next to the relevant firmware.

GateManager 8250: © v1250_62002008.fm Seconse GateManager Installer 9.1 10867 KB 2020-02-04 v1250_620002003.fm Context Eminans et in Eminare repository & Robot Nehn Eminare upgrafe completes.

You will now notice the text "Upgrade in progress..." next to the Firmware version. Once the firmware is upgraded the GateManager Server will automatically reboot.

