Activating your license

A License Administration Dashboard comes with Server Genius V4.

You can see that a shortcut had been created on your desktop :



On the Home tab, you can see the status of your License. Here it is a permanent Business Edition License:



If you click on the License tab, you will be able to see your License status and information, with your Computer ID and Computer Name:

🚕 ServerGenius License Administra	tion	- 🗆	×
$\underline{\mathbb{A}}$	ServerGenius License Administration		
М НОМЕ			
ତିଳ୍ଫ LICENSE	€ Activate License		
	🗘 Refresh		
	License Status		
	Image: Second Secon		
	Computer ID: 2222		
	Computer Name: WIN-A1L00CN0E56		

Click on the "Activate License" button or go to Server Genius interface on your web browser (<u>http://localhost:7777</u> by default) and click on the "Administration" > "License" menu.

The following page should be displayed:

📕 Ser	verGenius	RDS Servers	Websites			😧 Support 🗸	🜲 Alerts 👻	F Administration -	
				Your Lice	ense			RDS Servers	
								Settings	
		Se	rial Number:			P		🚄 License	
			Status:			Standard 15 da	ays Trial	O Logout	
		Number o	f Servers Allowed:		Unlimited				
		Number of	Websites Allowed:		Unlimited				
	E Buy Now ∠ Activate your License C Refresh License Data								
			Standard 15	5 days Trial Version - 15 days	s remaining - Buy Now!				

In order to get your Activation Key, connect to our <u>Licensing Portal</u> and enter your Email Address and your Order Number:

Download the Customer Portal User Guide for more information about how to use it.

You will be able to see and copy your activation key. Click on the "Activate your License" button and enter it:



From now on, your License page will look like the one below, to confirm that you have indeed an activated license:

A ServerGenius	RDS Servers	Websites	🕄 Support 🗸	🐥 Alerts 👻	F Administration -
		License Activation			
		License Activation Success			
		You have successfully activated your license!			
		 Back to your license details 			

You can see the new status of your License by going back to your license details:

Your Lie	ense - ServerGenius × +	-		×		
$\leftrightarrow \rightarrow c$	Conterminalserviceplus.ddns.net/admin/license		Θ	÷		
L Serve	rGenius 🗏 RDS Servers 🛛 🛛 Websites	🔂 Support 🗸 🔺 Alerts 🗸 🥕 Admit	nistration	•		
	Y	'our License				
	Computer ID:	2222				
	Computer Name:	WIN-A1L00CN0E56				
	Status:	Valid Permanent License (Business edition)				
	Number of Servers Allowed:	10				
	Number of Websites Allowed:	10				
	Please use ServerGenius License Adm	Inistration application if you wish to activate or rehost your license.				

Refresh your License Data by clicking on the corresponding button at the bottom of the page, it will synchronize information with our Licensing Portal.

N.B: You can still download a license.lic file on the Licensing Portal for Server Genius Legacy Versions. <u>Download the Customer Portal User Guide</u> for more information about how to use it.

Thank you for choosing ServerGenius!

Alerts Management

You can access the Alerts Management by clicking on the "Alerts" tab on the Server Genius web interface, then on the "Management" menu item. Using the "Create a new Alert" button, you can add alerts on your Server Genius system.

📕 Se	erverGenius 🖀 RDS Servers	Websites	😧 Support 👻 🌲 Alerts	- F Administration -
		Alerts Manag	Jement © Management	
			+	Create a new Alert
	Name	Threshold	Action	Manage
	Ohttps://www.tsplus.net/	Response Time > 10000 ms for at least 10 minutes	Send an email to alerts@tsplus.net	Remove
	OMy Application Server	Downtime duration > 5 minutes	Send an email to alerts@tsplus.net	Temove
	Accountancy	Active Users > 50 for at least 3 minutes	Send an email to alerts@tsplus.net	Remove
	Development Server	Processor > 85% for at least 3 minutes	Send an email to alerts@tsplus.net	Remove
	Development Server	Memory > 80% for at least 5 minutes	Send an email to alerts@tsplus.net	Remove
	My Application Server	Disk Used Space > 75% for at least 120 minutes	Send an email to alerts@tsplus.net	Remove

For **servers**, alerts can be set on:

- Processor
- Memory
- I/O
- Disk used space
- Network Throughput In
- Active Users
- Downtime Duration

You can customize with your own values:

L ServerGenius	RDS Servers	Websites		🕽 Support 🗸	🐥 Alerts 🗸	F Administration -	
			Alert				
Set a new alert on my RDS Server v : My Application Server v							
	When	lowntime duration	• is higher than 3	minu	utes		
Then send an email to alerts@tsplus.net							
			Save				

For websites, alerts can be set on Response Time or Downtime Duration.

Once you have configured an alert on your server or your website, Server Genius will closely monitor the chosen metric and send you an email as soon as the targeted threshold is reached or exceeded. Server Genius will of course also send you an email when the metric is back to normal.

Notifications

Once you have configured an alert on your server or website, ServerGenius will closely monitor the chosen metric and send you an email as soon as the targeted threshold is reached or exceeded. Server Genius will of course also send you an email when the metric is back to normal.

Since Server Genius 3.4 version, it is now possible to enable real-time web notifications by allowing them into your web browser:



On Microsoft Edge, it enables a Windows native notification display:



On Firefox, Chrome and Opera the web push is displayed at the same location than native notifications:

L ServerGenius											0 Support +	🜲 Alerts 👻	
	Server Monitoring Reports -	LUSers Activity Reports -	Running Applications R	Reports +									
			_		Serve	rselection							
				N	/IY SE	RVEF	۲ -						
				Netwo	ork Util	ization	Report		Time rat	as reporting calertion			
									Tine Tai	Last 30 days +			
		40000 bytes/s											
		about bytes/s								1			
		32000 bytes/s											
		28000 bytes/s											
		24000 bytes/s -											
		20000 bytes/s	Ì										
		16000 bytes/s	1	. 1		1. 1		 					
		12000 bytes/s	69		, , , ,								
		8000 bytes/s -					1		111		[ServerGen	ius] Nert #2445 fo	× MY SERVER (iZ×654y ×
		4000 bytes/s -										This alert thres SERVER (i2x654 > 3 minutes	vold has been reached on MV yb2xg1hi2): downtime duration
📽 🥫 🤤 I	🎒 🥥 📴 💵 💁	X X X									A	Via E77	7. *

Finally, you can see a list of active and historic alerts by clicking on the "Alerts" tab on the Server Genius web interface, then on the "History" menu item.

Application Elapsed Time Report

This report is available from the ServerGenius Web interface by clicking on the RDS Servers tab, then Running Applications Reports tab, and then Application Elapsed Time.

It displays the **application's total execution time**, in minutes, for the top 30 applications over the selected time range.



Application Elapsed Time per User Report

This report is available from the ServerGenius Web interface by clicking on the RDS Servers tab, then Running Applications Reports tab, and then Per User Elapsed Time.

It displays the **application's total execution time per user**, in minutes, for the top 30 applications over the selected time range.



Top Most Running Applications Tracking

This report is available from the ServerGenius Web interface by clicking on the RDS Servers tab, then Running Applications Reports tab, and then Top Most Running Application.

It displays the **number of each application's simultaneous utilizations**, for the top 15 most utilized applications over the selected time range.



Application Usage Audit Report

This report is available from the ServerGenius Web interface by clicking on the RDS Servers tab, then Running Applications Reports tab, and then Application Usage Audit.

It displays the **Number of users connected simultaneously to the application**, for the top 30 most utilized applications over the selected time range.

ServerGenius Servers	Websites	3 Support 🗸 🥕 Adminis	tration - 🐥 Alerts -
Server Monitoring	Reports - LUSers Activity Reports - 🔡 Running Applications Reports -		
	Ser III Top Most Running Application Application Usage Audit Application Elapsed Time Per User Elapsed Time		
	Application Usage Audit Report	Time ran	ge reporting selection
			🗮 Last 30 days 🗸
Adobe Reader and Acrobat Manager	2		
Windows Calculator	5		
Google Chrome	9		
Microsoft Edge	10		
Mozilla Firefox	11		
Microsoft Office Excel	19		
Microsoft Office PowerPoint	23		
Microsoft Office Word	24		
My Company Reporting Tool	32		
My Company CRM Application		45	
	 Maximum Number of User's Connected Simultaneously to the Application 	n (Top 30)	

Website Availability Report

This report is available by clicking on the **Availability** tab from the **Websites** menu on ServerGenius web interface.

The **Website Availability Report** displays the uptime in percentage for the specified period of time.

The period of time can be customized by using the date-range picker at the top right of the web page.



Concurrent Sessions Report

This report is available from the ServerGenius Web interface by clicking on the RDS Servers tab, then Users Activity Reports tab, and then Concurrent Sessions.

It displays the number of **opened Remote Desktop Services (RDS) sessions** for the selected period of time.



Connected Users Tracking Report

This report is available from the ServerGenius Web interface by clicking on the RDS Servers tab, then Users Activity Reports tab, and then Connected Users.

It displays the log of the **opened Remote Desktop Services (RDS) sessions** for the selected period of time.

The date-range can be customized by using the date-range picker at the top right of the Web page.

▲ ServerGenius ■ RDS Servers • Websites	❸ Support -
Server Manitoring Reports - LUsers Activity Reports - 🕀 Running Applications Reports -	
Connected Users Server selection	
My Application Server	
Connected Users Tracking Report	
	Time range reporting selection
08 A M 09 AM 10 AM 11 AM 12 PM 01 PM 02 PM 03 PM	04 PM 05 PM 06 PM 07 PM
my company \mirko zeta	
my company twalencienne	
my company idanito, danitow itsch	
my partners/hanna.glaw ari	
my partners/camile.rosilion	
my partners/viconte.cascada	
localraoulsaintbrioche	
localbogdanowitsch	
localsy kiane (#1)	
localsy Viane (#2)	
First Previous 1 2 Next Last	

Connection Time per User Report

This report is available from the ServerGenius Web interface by clicking on the RDS Servers tab, then Users Activity Reports tab, and then Connection Time.

It displays the **number of minutes each user was connected to the server through a Remote Desktop Services (RDS) session** for the selected period of time.

📕 ServerGenius	RDS Servers	Websites			😧 Support 🕞	Administration -	- 🐥 Alerts -
	🛢 Server Monitorir	ng Reports -	Lusers Activity Reports -	Running Applications Reports -			
			Connected Users	ation Server -			
			Connection Tim	ne per User Report			
						Time range repo	nting selection ist 30 days -
cam ille	165 minutes						
dominique						4026 minutes	
thom as				2906 minutes			
stephane	e 📕 112 minutes						
laura				2213 minutes			
adrien	129 minutes						
			Connection	n Time per User Report (minutes)			

How is data saved and can I access it from my own applications?

In ServerGenius, all your data is saved in an open format. We use a PostgreSQL database to store both global and servers and websites specific data.

The PostgreSQL database files are stored in the "db" directory inside ServerGenius setup directory.

Even if you can access these files both in read and write mode, we recommend that you always use read-only access mode, in order to avoid any conflict between ServerGenius and your own applications.

Do not hesitate to contact us if you want to know more on developing your own applications using ServerGenius data.

Disk Drives Activity Tracking Report

This report is available from the ServerGenius Web interface by clicking on the RDS Servers tab, then Server Monitoring Reports tab, and then Disk Drives Activity Tracking Report.

It displays the **Disk used space**, in percentage of the total available disk space



Error

This page does not exists.

Return to the home page

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- <u>Activating your license</u>
- <u>Servers Management</u>
- Websites Management
- <u>Settings</u>
- <u>Choose a nickname for your servers</u>

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- Performance Report
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• Enabling HTTPS (SSL)

Frequently Asked Questions

- How is data saved and can I access it from my own applications?
- ServerGenius CPU consumption is above expected. What can I do?

Installation

Run ServerGenius Setup program and then follow the installation steps.

Please note that you must run this Setup as an Administrator, but don't worry, Windows will automatically require it.

👗 Setup - ServerGenius 💻	• x
License Agreement Please read the following important information before continuing.	R
Please read the following License Agreement. You must accept the terms of this agreement before continuing with the installation.	
ServerGenius license agreement	<u>^</u>
Software You should carefully read the following terms and conditions before opening the software package, or if downloaded, before using such downloaded software. Opening the package or using the software, if downloaded, means you accept these terms and conditions and understand that they will be legally binding on yo and ServerGenius. If you do not agree with these terms and conditions, or do no want them to be binding on you, you should promptly return the package unopened for a full refund or delete the downloaded software from any storage medium that it is stored on.	u t
● I <u>a</u> ccept the agreement	
○ I <u>d</u> o not accept the agreement	
servergenius.net Next >	Cancel

Click on "Next" if you agree to the license.

👗 Setup - Se	erverGenius 📃 🗖 🗙
Select Destination Location Where should ServerGenius be installed?	
Setup will install ServerGenius into	o the following folder.
To continue, click Next. If you would like to	select a different folder, click Browse.
C:\Program Files (x86)\RDS-Tools\Server(Genius B <u>r</u> owse
At least 10.2 MB of free disk space is requ	ired.
<u>servergenius.net</u>	< <u>B</u> ack <u>N</u> ext > Cancel

Choose where to install ServerGenius on your computer (we recommend to use the default path).

ѫ	Setup - ServerGenius 📃 🗖 🗙					
2	ServerGenius Configuration					
Please choose the port that will be used by this server for ServerGenius. If you do not know what to type, leave the default value.						
	ServerGenius Port: (http://localhost:??)					
<u>56</u>	ervergenius.net < <u>B</u> ack <u>N</u> ext > Cancel					

Choose the port on which ServerGenius will publish its web interface.

This is the network port on which you will browse to see ServerGenius reports, alerts, administration panel, etc.

If you do not know what to enter, we recommend you to use the default port. You can change it after the installation if you need to.

ѫ	Setup - ServerGenius 📃 🗖 🗙							
	Ready to Install Setup is now ready to begin installing ServerGenius on your computer.							
	Click Install to continue with the installation, or click Back if you want to review or change any settings.							
	Destination location: C:\Program Files (x86)\RDS-Tools\ServerGenius ServerGenius Port: 7777							
	servergenius.net < <u>B</u> ack <u>I</u> nstall Cancel							

The Setup is now ready to install ServerGenius on your computer. Click on "Install" to start the actual installation.

ѫ	Setup - ServerGenius	_ 🗆 🗙
	Installing Please wait while Setup installs ServerGenius on your computer.	R.
	Setting up database, this may take several minutes, please wait	
	<u>servergenius.net</u>	Cancel

A progress bar is displayed and allows you to follow the installation progress.

Please be patient, as it can sometimes take up to a few minutes to fully install the software.



The installation is now finished and ServerGenius is already running in the background on your server.

You can now start using ServerGenius by double-clicking on its icon on your Windows desktop:



or by opening your browser and browsing to ServerGenius address (<u>http://localhost:7777</u> by default):

📕 Ser	verGenius	RDS Servers	Websites			😯 Support 🗸		
	Login							
Restricted access, please login								
			Username	admin				
			Password					
Login								

The free trial version is fully featured for 2 weeks.
Network

This report is available by clicking under the Servers tab —> Network on the Server Genius web interface.

It displays the Network usage with data sent and received in bytes/second for each hour, per server:



The date-range can be customized by using the date-range picker at the top right of the web page.

Choose a nickname for your servers

Sometimes, the server computer name is not the easiest way to distinguish your monitored servers. ServerGenius enables you to choose a nickname for your servers and easily identify them.



From ServerGenius homepage, select Administration and then, click on RDS Servers.

Servers Management					
+ Add a new Server					
Server Nickname	Computer Name	Edit Nickname	Remove		
DESKTOP-EEDE997	DESKTOP-EEDE997	🖍 Edit	TRemove		

From the list of monitored servers, click on **Edit** in order to give a nickname to the corresponding server.

Server Nickname Edition
Edit Server Nickname
Server Alias My Applica
Save

Type a nickname for your server, and then click Save.

Servers Management					
+ Add a new Server					
Server Nickname	Computer Name	Edit Nickname	Remove		
My Application Server	DESKTOP-EEDE997	🖍 Edit	n Remove		

Your server has been renamed in ServerGenius and will be displayed using the specified nickname in the reporting sections.

Website Overview Report

This report is available by clicking on the **Overview** tab from the **Websites** menu on ServerGenius web interface.

The **Website Overview Report** provides the following information:

•

An **heat map** highlighting the website health for the past years. A red square indicates that the website was subject of one or multiple outages during the day. An outage means that the website was unreachable by ServerGenius or the website response code is an error code.

Availability panel presents the calculated uptime and downtime in percentage for the specified period of time ; as well as the number of outages registered and the outages total duration in minutes.

Performance panel displays the latest, average, minimum and maximum response time in milliseconds for the specified period of time.

Responses panel list the number of responses by response category.

The period of time can be customized by using the date-range picker at the top right of the web page. Please note that the heat-map will display the complete years corresponding to the selected period of time.

A ServerGenius	RDS Servers	Websites				😯 Supp	port 👻 🧳	Administration -	🜲 Alerts 👻
(Overview	Availability	Server Performance	Report	Responses	5			
			Website	selection					
		http:	//www.e	xam	ole.co	m -			
			Ove	rview					
							Time	range reporting sele	ction
								🛗 Last 30 days	s •
			iii Ov	verview					
92 27	Jan Feb	Mar Apr	Mey Jun	Jul	Aug Se	p Oct No service outs One or multiple	Nov age recorded service outages	Dec	
						No data availab	de .		
			🗸 Ava	ailability					
Upt	time	Downtime	Number o	of Outages		Total	Outages D	uration	
100.0	000 %	0.000 %	(0			0 minutes		
			🛦 Server Perf	ormance R	eport				
Latest	Response Time	Average R	esponse Time	Minimur	m Response 1	lime	Maximum R	esponse Time	
	109 ms	1	06 ms		72 ms		72:	23 ms	
			Res	sponses					
	Numb	er Of Responses			I	HTTP Respon	ise Code		
		43794				OK (20	0)		
			Add a ne	w Website					

Performance Report

This report is available by clicking under the Servers tab —> Performance on the Server Genius web interface.

It displays the following data:

- CPU usage (in percentage of the total available CPU power)
- **Memory usage** (in percentage of the total available RAM memory)
- I/O (in percentage of the total available disk time)

The date-range can be customized by using the date-range picker at the top right of the web page.



Back To Top

Website Performance Report

This report is available by clicking on the **Performance** tab from the **Websites** menu on ServerGenius web interface.

The **Website Performance Report** displays the maximum, average and minimum response time in milliseconds for the specified period of time.

Please note that for a narrowed down period of time, the maximum and minimum response time will not be displayed and the actual response time will be displayed.

The period of time can be customized by using the date-range picker at the top right of the web page.



ServerGenius CPU consumption is above expected. What can I do?

1. Check for updates

Please check regularly for updates, as most of them offer performance improvements. We recommend you to apply ServerGenius updates out of working hours since the update may perform long running background operations on the database.

ServerGenius latest update is always available from the following direct link.

2. Apply recommended configuration

A database will always take all computing resources available to complete requests as soon as possible. Therefore, it is recommended to size ServerGenius server according to its usage.

Please find below our recommendations based on the number of monitored servers:

Monitored servers	CPU	Memory (RAM)
1-2	2	8
3-4	4	16
5+	8	32

Installing ServerGenius on an SSD type disk drive is recommended for better performance.

Also, you may need to allocate additional disk space for ServerGenius Server, depending on the number of servers and websites monitored, and coincidelly the amount of data collected and stored in the PostgreSQL database.

Finally, please note that it is generally a good idea to run a monitoring application such as ServerGenius on a dedicated server. This prevents other applications to reduce available resources.

3. Customize database configuration

ServerGenius relies on <u>PostgreSQL</u> database engine. The PostgreSQL database configuration file can be customized based on the server's hardware configuration to enable optimal performance.

The following information are required to build your custom configuration file:

- Memory (RAM)
- Number of CPUs
- Storage type (HDD, SSD or SAN)

Several websites are able to generate the most relevant configuration file based on these information, such as <u>https://pgtune.leopard.in.ua</u>.

For example, please find below a recommended configuration for a 2 CPU, 8 GB RAM server using HDD storage:

DB Version: 10

Total Memory (RAM): 8 GB

CPUs num: 2

Data Storage: hdd

max_connections = 20 shared_buffers = 512MB effective_cache_size = 6GB
maintenance_work_mem = 512MB checkpoint_completion_target = 0.7 wal_buffers = 16MB
default_statistics_target = 100 random_page_cost = 4 work_mem = 128MB min_wal_size = 1GB
max_wal_size = 2GB max_worker_processes = 2 max_parallel_workers_per_gather = 1
max_parallel_workers = 2

Note: ServerGenius uses PostgreSQL version 10

These settings should be replaced in the database configuration file located at: C:\Program Files (x86)\RDS-Tools\ServerGenius\pgsql\data\postgresql.conf. Then, the service ServerGeniusDatabase must be restarted for the changes to take effect.

4. Rebuild database indexes

A database index is a data structure that improves the speed of data retrieval operations on a database. Indexes are used to quickly locate data without having to search every row in a database table every time a database table is accessed.

We recommend you to rebuild database indexes periodically in order to speed up data access. This maintenance task may take a while and we recommend you to proceed outside of working hours. From an elevated command prompt, navigate to the ServerGenius\pgsql\bin directory and enter the following command:

C:\Program Files (x86)\RDS-Tools\ServerGenius\pgsql\bin> psql -U postgres -p 7779 -d servergenius -c "REINDEX DATABASE servergenius"

When prompted for a password, type password. This operation may take up to an hour and may increase performance dramatically.

5. Contact our customer support

If all the above recommendations failed to provide you an acceptable experience with ServerGenius, please do not hesitate to contact our customer support and raise a ticket at <u>https://terminalserviceplus.freshdesk.com</u>. We will be happy to help you regain control of your ServerGenius installation.

In order to facilitate our technical support and to reproduce your issue, we might ask you an export of your database.

In order to do so, from an elevated command prompt, navigate to the ServerGenius\pgsql\bin directory and enter the following command:

C:\Program Files (x86)\RDS-Tools\ServerGenius\pgsql\bin> pg_dump.exe -p 7779 -U postgres servergenius export1.dump

When prompted for a password, type password.

Once the export has finished, please share us the file located at C:\Program Files (x86)\RDS-Tools\ServerGenius\pgsql\export1.dump with any file transfer service.

Pre-requisites

Hardware Requirements

Please find below our recommendations based on the number of monitored servers:

Monitored servers	CPU	Memory (RAM)
1-2	2	8
3-4	4	16
5+	8	32

Installing ServerGenius on an SSD type disk drive is recommended for better performance.

Also, you may need to allocate additional disk space for ServerGenius Server, depending on the number of servers and websites monitored, and coincidelly the amount of data collected and stored in the PostgreSQL database.

Finally, please note that it is generally a good idea to run a monitoring application such as ServerGenius on a dedicated server. This prevents other applications to reduce available resources.

Operating System

ServerGenius is compatible with the following OS:

- Windows 7 Service Pack 1
- Windows 8/8.1
- Windows 10 Pro
- Windows 11 Pro
- Windows Server 2008 SP2/Small Business Server SP2 or 2008 R2 SP1
- Windows Server 2012 or 2012 R2
- Windows Server 2016
- Windows Server 2019
- Windows Server 2022

Both 32 and 64 bits architectures are supported.

Network

Only one network port is required, and will be asked during the setup. By default, we suggest to use port 7777, which is not an officially registered port and therefore not assigned to specific services.

If you want to access your ServerGenius web interface from outside your company's network, you will need either a public IP address or a domain name / subdomain to access the server.

If you cannot connect to ServerGenius web interface on your server, please contact your Administrator first, as this is most probably a network or firewall issue, not a ServerGenius issue.

Get Started with ServerGenius

Step 1: Installing ServerGenius on your computer

Installing ServerGenius is an easy process.

Just download it from <u>our web site</u>, run the Setup-ServerGenius.exe and follow the steps detailed <u>here</u>.

Files are decompressed and copied into:

- "C:\Program Files\RDS-Tools\ServerGenius" folder (32 bit systems)
- "C:\Program Files (x86)\RDS-Tools\ServerGenius" folder (64 bit systems).

The trial version is a full featured version limited to 2 weeks.

After the installation, there will be a new icon on your Desktop:



Step 2: Checking your Installation

On your server, start an Internet browser (such as Chrome, Firefox or Internet Explorer).

Browse to <u>http://localhost:7777</u> by default, or change the "7777" part with the port you have chosen during the installation.

If everything has been installed and configured properly, then you should have a web page such as the one below:

📕 Serv	erGenius	RDS Servers	Websites		🕄 Support 🗸	
	Login					
	Restricted access, please login					
Username admin						
			Password			
Login						

If this page is not displayed, please contact our <u>Support</u> team.

By default, the login is **admin**, password **admin** which you can then change by modifying the Settings on the Administration tab.

Step 3: Connecting Remotely to your Server's Reporting & Monitoring web interface

You can now connect to ServerGenius web interface from virtually any device (your computer or laptop, your tablet, your mobile phone...).

All you have to do is to browse to <u>http://yourserver:7777</u> (using your server's domain name or public IP address).

Next steps

We advise all our customers to read our online documentation.

Do not hesitate to <u>contact us</u> if you have questions or feedback about ServerGenius and/or this quick-start guide.

Website Responses Report

This report is available by clicking on the **Responses** tab from the **Websites** menu on ServerGenius web interface.

The **Website Responses Report** displays the number of responses per HTTP Code and the failed requests over the selected period of time.

The number of HTTP Responses 200 (OK) over the selected period is displayed on the top of the graph.

The period of time can be customized by using the date-range picker at the top right of the web page.



Servers Management

You can see and remove the servers you wish to monitor under the Administration tab > RDS Servers tile of Server Genius:

F Administration -
RDS Servers
Websites
Settings
🚄 License
😃 Logout

📕 ServerGenius	RDS Servers	Websites	😧 Support 👻 🌲	Alerts - 🖌 Administration -
		Servers Manager	ment	
		C C		+ Add a new Server
Serv	er Nickname	Computer Name	Edit Nickname	Remove
Му Арр	lications Server	WIN-URFCTRSQGDF	🖍 EDIT	Temove

Add a new server by clicking on the "Add a new server" button, you will then see this interface:



Follow the procedure by downloading Server Genius Agent on the new server you wish to add:

👗 Setup - ServerGenius Agent 🗕	• x
License Agreement Please read the following important information before continuing.	R
Please read the following License Agreement. You must accept the terms of this agreement before continuing with the installation.	
ServerGenius license agreement	<u>^</u>
Software You should carefully read the following terms and conditions before opening the software package, or if downloaded, before using such downloaded software. Opening the package or using the software, if downloaded, means you accept these terms and conditions and understand that they will be legally binding on you and ServerGenius. If you do not agree with these terms and conditions, or do not want them to be binding on you, you should promptly return the package unopened for a full refund or delete the downloaded software from any storage medium that it is stored on.	t v
● I accept the agreement	
○ I <u>d</u> o not accept the agreement	
servergenius.net Next >	Cancel

As for Server Genius setup, agree to the License, then select the destination location folder (by default, it will be installed on C:\Program Files (x86)\RDS-Tools\ServerGenius Agent):

L Setup - ServerGen	ius Agent 📃 🗖 🗙			
Select Destination Location Where should ServerGenius Agent be installed?				
Setup will install ServerGenius Agent into	the following folder.			
To continue, click Next. If you would like to select	a different folder, click Browse.			
C:\Program Files (x86)\RDS-Tools\ServerGenius Agent Browse				
At least 5.3 MB of free disk space is required.				
<u>servergenius.net</u>	< Back Next > Cancel			

Then, enter the main server URL:

L Setup - ServerGenius Agent	_ 🗆 🗙
ServerGenius Agent Configuration	
Please enter the ServerGenius main server URL. This is the address where this Agent will send its performance data.	
ServerGenius URL:	
http://rds-tools.ddns.net:7777	
servergenius.net < <u>B</u> ack <u>N</u> ex	t > Cancel

Click on install:

₹	Setup - ServerGenius Agent 📃 🗖 🗙
	Ready to Install Setup is now ready to begin installing ServerGenius Agent on your computer.
	Click Install to continue with the installation, or click Back if you want to review or change any settings.
	Destination location: C:\Program Files (x86)\RDS-Tools\ServerGenius Agent
	ServerGenius URL: http://rds-tools.ddns.net:7777
	 ✓ ✓
5	ervergenius.net < <u>B</u> ack [Install] Cancel

Then click on finish to exit the Setup.

<u>∡</u> s	etup - ServerGenius Agent 📃 🗖 🗙
	<section-header><text><text></text></text></section-header>
<u>servergenius.net</u>	Einish

Run the agent and your new server should be visible on the Servers Management interface and on the Dashboard:

L ServerGenius ≣ RDS Servers	Websites	O Enable Auto Refresh	😧 Support 🗸	🜲 Alerts 👻	Administration -
	Das	shboard			
My Application Server	TESTING	E DEMO			
Processor: 8 % / RAM: 11 % Active RDS Sessions: 1	Processor: 0 % / RAM: 7 % Active RDS Sessions: 0	Processor: 0 % / RAM: 28 % Active RDS Sessions: 1			
http://www.example.com	O http://terminalserviceplus.com	Https://www.tsplus.net/			
Response Time: 80 ms Result: OK (200)	Response Time: 1831 ms Result: OK (200)	Response Time: 54 ms Result: OK (200)			
Activate predefined alerts					

Warning: If you accidentally removed your server or want to change its name, we recommend you to uninstall and reinstall Server Genius.

Settings

You can manage ServerGenius settings by clicking under the Administration tab > Settings:

ServerGenius	RDS Servers	Websites			😯 Support 👻	🐥 Alerts 👻	F Administration -
			Adminis	tration			RDS Servers
			General S	Settings			Settings License
			Version	3.4.0.0			() Logout
			Port	7777			
			Language	English •			
			Authenticatio	n Settings			
			Administrator Username	admin			
			Administrator Password	•••••			
			Emails S	ettings			
			SMTP Hostname	terminalservicentus co			
			Switt Hostilanie	terminalservicepius.co			
			SMTP Port	25			
			SMTP Username	alerts@terminalservice			
			SMTP Password	•••••			
			Send Email As	watchers@terminalser			
			Validate Saved E	Email Settings			
			Sav	e			

•

Under the General Settings, you can see your Server Genius current version and the port you set up during <u>installation</u> and setup your preferred language.

•

Under the Authentication settings, you can modify the Administrator username and password (Which is by default **admin - admin**).

•

Under the Email settings, you can set the SMTP Hostname, Port, Username, Password and even set the Email address you will receive the Alerts from.

Since Server Genius 3.4 version, an Email Settings Validation has been added and enables you to test and validate your SMTP server settings. Click on the Validate Saved Email Settings line, then send an email to the recipient of your choice:

A ServerGenius	RDS Servers	Websites		🕄 Support 🗸	🐥 Alerts 👻	F Administration -
		Email Settir	igs Validatior	ו		
	Validate	Email settings by sending an email to th	e following recipient			
		5	Send			

Back To Top

Enabling HTTPS (SSL)

Follow the steps below in order to enable HTTPS (SSL) for the ServerGenius administration website and agents endpoint. As a result, administrators and machine agents will be able to access ServerGenius using the configured HTTPS port.

Please note that enabling SSL support for ServerGenius does not prevent administrators and machine agents from accessing ServerGenius using the current HTTP port configured (default is 7777 for administration website). Therefore, **there is no need to reconfigure machines already monitored by ServerGenius!**

Summary

- Requirements
- Open Certificate Manager
- Import certificates
- Find the certificate thumbprint
- <u>Register SSL certificate for ServerGenius</u>
- <u>Configure ServerGenius SSL port</u>
- <u>Restart ServerGenius</u>

Requirements

•

Please make sure you have administrator privileges on the server where ServerGenius is installed.

•

Enabling SSL support for ServerGenius requires a valid certificate, with the following details:

• The certificate's **Issued To** or **Alternate Subject Name** should specify the ServerGenius website's domain name (i.e. servergenius.mycompany.com) or the server name (i.e.

COMP-SRVR01)

- The certificate's purpose should be **Server authentication**
- The certificate must contain the private key
- •

If the certificate is not validated by a trusted certificate authority (CA) already installed in ServerGenius server, then the CA certificate is also required. Usually, the CA certificate is required when the certificate is a self generated certificate.

•

The password for the private key of the certificate and the CA certificate, if applicable, are required for the following steps.

Open Certificate Manager

Command Prompt	
Internet Explorer	thomas Documents
<u>~</u>	Computer Network
	Control Panel
	Administrative Tools
	Help and Support
All Programs	Windows Security
Search programs and files	Log off
🍂 🗾 😭	

Log in as a local administrator on the server where ServerGenius is installed. Then, from the Windows task bar, click on **Start**. Then, click on **Run**....

🖅 Run	×
	Type the name of a program, folder, document, or Internet resource, and Windows will open it for you.
Open:	mmc.exe
	🛞 This task will be created with administrative privileges.
	OK Cancel Browse

A window opens and prompts for a program executable name. Type **mmc.exe** and click **OK**.

File Action View Favorites Window Help Image: New Ctrl+N Image: Open Ctrl+O Image: Open Image: Open	R	Console1 - [Console Root]					
New Ctrl+N Open Ctrl+O Save Ctrl+S Save As Add/Remove Snap-in Add/Remove Snap-in Ctrl+M Options 1 1 ServerManager.msc	-	File	Action	View	Favorites	Window	Help
Add/Remove Snap-in Ctrl+M Options 1 ServerManager.msc		Ne Op Sa Sa	w)en ve ve As		Ctrl+N Ctrl+O Ctrl+S		
Exit		Ad Op 1 S Ex	ld/Remove otions 5erverMar it	e Snap-i nager.m	n Ctrl+M sc		

The Microsoft Management Console (MMC) opens. Click on **File** and then click on **Add/Remove Snap-in** to choose the feature to manage.

ActiveX Control Authorization Manager Certificates	Microsoft Cor Microsoft Cor			
Authorization Manager Certificates	Microsoft Cor			
Certificates			1	Remove
	Microsoft Cor			
Component Services	Microsoft Cor			Move Up
Computer Managem	Microsoft Cor			
Device Manager	Microsoft Cor			Mave Down
Disk Management	Microsoft and	M00 2		
Event Viewer	Microsoft Cor			
Folder	Microsoft Cor			
Group Policy Object	Marasoft Cor			
IP Security Monitor	Microsoft Cor			
IP Security Policy Ma	Microsoft Cor			
Link to Web Address	Marasoft Cor			Advanced
Local Users and Gro	Microsoft Cor 🔟			Harancoarr

In the list of Snap-in, choose **Certificates** and then click on **Add**. The snap-in is added to the **Selected snaps-ins** column. Then, click **OK**.

Certificates snap-in	×
This snap-in will always manage certificates for:	
O My user account	
C Service account	
Computer account	
	< Back. Next > Cancel

In the dialog that appears, select **Computer Account**, then click **Next**.

Select Computer	×
Select the computer you want this snap-in to manage. This snap-in will always manage: C Local computer: [the computer this console is runni	ing on)
C Another computer:	Browse
Allow the selected computer to be changed when I only applies if you save the console.	aunching from the command line. This
L	
	< Back Finish Cancel

Choose Local Computer and click Finish.

sp-in	Vendor	-	Console Root	Edit Extensions
ActiveX Control	Microsoft Cor		Certificates (Local Computer)	Domouo
Authorization Manager	Microsoft Cor			Nonovo
Certificates	Microsoft Cor			
Component Services	Microsoft Cor			Move Up
Computer Managem	Microsoft Cor	-		
Device Manager	Microsoft Cor			Move Dawn
Disk Management	Microsoft and	M00 2		
Event Yewer	Microsoft Cor			
Folder	Microsoft Cor			
Group Policy Object	Microsoft Cor			
IP Security Monitor	Microsoft Cor			
IP Security Policy Ma	Microsoft Cor			
Link to Web Address	Microsoft Cor	-		Advanced
Local Users and Gro	Microsoft Cor	<u> </u>	1	Hardroom
ription:				
ripeixen.				

Click **OK** to proceed with importing the certificates.

Import certificates



In the MMC window opened in the previous section, drill down to **Certificates (Local Computer)** and **Personal**.



From the Action menu on the command bar, select All Tasks and then click on Import....



The Certificate Import Wizard opens. Click Next to continue.

Certificate Import Wizard	×
File to Import	
Specify the file you want to import.	
	-
File name:	
Browse	
Note: More than one certificate can be stored in a single file in the following formats:	
Personal Information Exchange- PKC5 #12 (.PFX, .P12)	
Cryptographic Message Syntax Standard- PKCS #7 Certificates (.P7B)	
Microsoft Serialized Certificate Store (.SST)	
Lange and a stiftente file formate	
Learn more about <u>certificate nie romats</u>	
	_
< Back Next > Cancel	

In this step, Click on **Browse** to find the cerficate. Then, click **Next** to continue and import the selected certificate. On the next screen, enter the password you chose for the certificate.
Certificate Import Wizard	×
File to Import	
Specify the file you want to import.	
	-
File name:	
C:\Users\thomas\Desktop\Certificates\ .crt Browse	
Note: More than one certificate can be stored in a single file in the following formats:	
Personal Information Exchange- PKCS #12 (.PFX,.P12)	
Cryptographic Message Syntax Standard- PKCS #7 Certificates (.P7B)	
Microsoft Serialized Certificate Store (.SST)	
Learn more about certificate file formatic	
cean more about <u>certificate me romats</u>	
< Back Next > Cancel	

Click **Next** to continue.

Certificate Import Wizard	×
Certificate Store	
Certificate stores are system areas where certificates are kept.	_
Windows can automatically select a certificate store, or you can specify a location for the certificate.	
O Automatically select the certificate store based on the type of certificate	
Place all certificates in the following store	
Certificate store:	
Personal Browse	
Learn more about <u>certificate stores</u>	
	_
< Back Next > Cancel	

Choose **Place all certificates in the following store**. Verify that the selected certificate store is **Personal**, then click **Next**.

Certificate Import Wizard		×	
	Completing the Certificate Import Wizard The certificate will be imported after you dick Finish.		
	You have specified the following set	ings: Personal Certificate C:\Users\thomas\Des	
	< Back Fi	inish Cancel	

Click **Finish** to import the certificate.



Note:

If you need to import a CA authority certificate, repeat the import procedure above for the CA certificate.

Find the certificate thumbprint



From MMC, right-click on the certificate and click **Open**.

Certificate 🔀
General Details Certification Path
Certificate Information
This certificate is intended for the following purpose(s):
 Ensures the identity of a remote computer Proves your identity to a remote computer 2.23.140.1.2.1 1.3.6.1.4.1.44947.1.1.1
* Refer to the certification authority's statement for details.
Issued to:
Issued by: Let's Encrypt Authority X3
Valid from 1/ 10/ 2018 to 4/ 10/ 2018
Learn more about certificates
ОК

The certificate's details are displayed. Click on **Details** tab to display the certificate's properties.

Certificate		×		
General Details Certification Path	1			
Show: <all></all>	•			
		-		
Field	Value	<u>ا</u> ا		
Authority Key Identifier	KeyID=a8 4a 6a 63 04 70 00			
Subject Alternative Name	[1]Auchoricy Inro Access: Acc			
Certificate Policies	[1]Certificate Policy Policy Ide			
Key Lisane	Digital Signature, Key Encipher	11		
Basic Constraints	Subject Type=End Entity, Pat			
Thumborint algorithm	sha1			
Thumbprint	11 d6 6d 6b 31 4a 3b 04 1f fc			
11 d6 6d 6b 31 4a 3b 75 87 04 d5 d1 8b	04 1f fc f8 c0 ad 72			
Edit Properties Copy to File				
	ОК			

Copy the value of the **Thumbprint** property for the next steps.

Register SSL certificate for ServerGenius

From the administrative command line, type the following to set up the SSL binding to ServerGenius, and specify the appropriate port:

netsh http add sslcert ipport=0.0.0.0:7778 certhash= 11d66d6b314a3b041ffcf8c0ad72758704d5d**apb**id={35c57165b326-49b5-9346-f4e2cf7f2353}



The above command line takes the following parameters:

- **ipport** defines the IP address and port which should be configured for ServerGenius. By default, we suggest to use port 7778.
- certhash identifies the certificate by its thumbprint, found in the previous section.
- **appid** specifies the application ID. ServerGenius application ID is 35c57165-b326-49b5-9346f4e2cf7f2353.

For Windows XP and earlier:

If your ServerGenius server is running under Windows XP or an earlier Windows release, the command **netsh** won't be available. use the **httpcfg** command instead as below:

httpcfg set ssl /i 0.0.0.0:7778 /h 11d66d6b314a3b041ffcf8c0ad72758704d5d18b /g "{35c57165b326-49b5-9346-f4e2cf7f2353}"

Configure ServerGenius SSL port

ganize 👻 🛛 Include in li	brary 👻 Share with 👻 New folder) 🗄 💌 🛄
Favorites	Name *	Date modified	Туре	Size
🔜 Desktop	🕌 certs	12/20/2017 9:43 AM	File folder	
诸 Downloads	🕌 logs	2/19/2018 4:13 PM	File folder	
🗽 Recent Places	🔒 pgsgl	12/20/2017 9:32 AM	File folder	
- thereing	🕌 static	12/20/2017 9:31 AM	File folder	
Documents	🕌 views	2/21/2018 8:31 AM	File folder	
Music	config.json	2/21/2018 9:25 AM	JSON File	1 KB
E Pictures	📄 license.lic	12/20/2017 9:44 AM	License	1 KB
🚼 Videos	🗟 log4net.dl	3/8/2017 7:26 PM	Application extension	272 KB
	Mono.Security.dll	9/18/2015 7:30 AM	Application extension	292 KB
Conputer	Newtonsoft. Json. dl	6/18/2017 1:57 PM	Application extension	487 KB
Network	🗟 Nogsql.dl	9/18/2015 7:30 AM	Application extension	402 KB
- Herren	N nssm.exe	2/19/2018 5:19 PM	Application	317 KB
	Nustache.Core.dl	10/10/2016 1:05 PM	Application extension	38 KB
	🚕 ServerGenius.exe	2/19/2018 5:26 PM	Application	463 KB
	🔄 ServerGenius, exe, config	2/13/2018 4:19 PM	XML Configuration File	2 KB
	ServerGenius.ico	2/13/2018 4:19 PM	Icon	293 KB
	🗟 ServerGeniusCommon.dll	2/19/2018 5:26 PM	Application extension	45 KB
	ServerGeniusLauncherLexe	2/19/2018 5:26 PM	Application	1,300 KB
	unins000.dat	2/21/2018 8:31 AM	DAT File	61 KB
	🚕 unins000.exe	2/21/2018 0:31 AM	Application	1,440 KB
	unins000.msg	2/21/2018 8:31 AM	MSG File	23 KB

Open Windows **File explorer** and navigate to ServerGenius setup directory. By default, the ServerGenius setup path is the following:

C:\Program Files (x86)\RDS-Tools\ServerGenius

Then, open the file **config.json** and specify the SSL port (e.g. 7778) as the value of the **SsIPort** property.

1	₽ (
2	"Port":7777,
3	"SslPort":7778,
4	"Key":"VzHDqOIeKJge1YBQqdvxrvO5pLXO9GGD",
5	"AdminUsername": "admin",
6	"AdminPassword": "admin",
7	"SmtpUsername":"",
8	"SmtpPassword":"",
9	"SmtpHost": "localhost",
10	"SmtpPort":25,
11	"EmailSender": "reporting@localhost"
12	}

Note: in order to disable SSL for ServerGenius, rollback the changes by setting the **SslPort** property's value to **0** and then restart ServerGenius.

Restart ServerGenius

From the administrative command line, type the following to restart ServerGenius service:

net stop ServerGenius && net start ServerGenius

ServerGenius is now configured to use SSL (HTTPS).

Updating ServerGenius

Run ServerGenius Update Release program (It is actually the Setup Program, available <u>here</u> and then **follow the installation steps**.

Please note that you must run this Update Release as an Administrator, but don't worry, Windows will automatically require it.

<u></u> ∡	Setup - ServerGenius		-		x
License Agreement Please read the followin	g important information before con	tinuing.		Ę	
Please read the followin agreement before conti	g License Agreement. You must acc nuing with the installation.	cept the terms o	f this		
ServerGenius license ag	greement			^	
Software					
You should carefully rea software package, or if Opening the package o these terms and conditi and ServerGenius. If yo want them to be bindin unopened for a full refu medium that it is stored	ad the following terms and condition downloaded, before using such do r using the software, if downloaded ons and understand that they will b ou do not agree with these terms a g on you, you should promptly retu and or delete the downloaded softw on.	ns before openin winloaded softw d, means you ac be legally binding nd conditions, or irn the package vare from any st	ig the are. cept on yo do no orage	u t	
I accept the agreem	ent				
○ I <u>d</u> o not accept the a	agreement				
<u>servergenius.net</u>		<u>N</u> ext >		Canc	el

Click on "Next" if you agree to the license.

👗 Setup - Server	Genius 🗕 🗖 🗙
Select Destination Location Where should ServerGenius be installed?	
Setup will install ServerGenius into the f	ollowing folder.
To continue, click Next. If you would like to selec	t a different folder, click Browse.
C:\Program Files (x86)\RDS-Tools\ServerGenius	Browse
At least 10.2 MB of free disk space is required.	
servergenius.net	< <u>B</u> ack <u>N</u> ext > Cancel

Choose the ServerGenius installation folder on your computer, then click on "Next".

👗 Setup - ServerGenius	_ 🗆 🗙
ServerGenius Configuration	R
Please choose the port that will be used by this server for ServerGen If you do not know what to type, leave the default value.	ius.
ServerGenius Port: (http://localhost:??) 7777	
<u>servergenius.net</u> < <u>B</u> ack <u>N</u> ext	:> Cancel

Choose the port on which ServerGenius will publish its web interface.

This is the network port on which you will browse to see ServerGenius reports, alerts, administration panel, etc.

If you do not know what to enter, we recommend you to use the default port. You can change it after the installation if you need to.

👗 Setup - ServerGenius 💻 🗖	x
Ready to Install Setup is now ready to begin installing ServerGenius on your computer.	R.
Click Install to continue with the installation, or click Back if you want to review or change any settings.	
Destination location: C:\Program Files (x86)\RDS-Tools\ServerGenius]
ServerGenius Port: 7777	
servergenius.net < <u>B</u> ack <u>I</u> nstall Car	ncel

The Setup is now ready to install ServerGenius on your computer.

Click on "Install" to start the actual installation.

ѫ	Setup - ServerGenius	- 🗆 X
	Installing Please wait while Setup installs ServerGenius on your computer.	R
	Setting up database, this may take several minutes, please wait	
1	servergenius.net	Cancel

A progress bar is displayed and allows you to follow the update progress.



The update is now finished, and you can start using the latest version of ServerGenius.

When it is required by the update, the Update Release program will ask you to reboot your computer to finish the update process.

Websites Management

The **Websites Management** page enables you to display the list of monitored websites, add a new website to monitor and remove a website.



The **Websites Management** page can be found under the **Administration tab > Websites** of Server Genius:

📕 Se	rverGenius	RDS Servers	Websites	🕄 Support 🗸	🜲 Alerts 👻	🗲 Administration 👻
			Websites Management		+ Add	a new Website
			Website Address	F	Remove	
			http://www.example.com	Í	l Remove	
			http://terminalserviceplus.com	í	Remove	
			https://www.tsplus.net/	í	Î Remove	

Add a new website by clicking on the **Add a new Website** button. Then, the **New Website** page is displayed and invite you to specify the new website web address:

A ServerGenius	RDS Servers	Websites				🕄 Support 🗸	🐥 Alerts 👻	F Administration -
			New W	ebsite				
Add a new Website								
			Website Address	www.example.com				
			Sav	e				

Please note that in case the protocol is not specified, "http://" will be prepended to the website address provided. For example, if the website address is <u>www.example.com</u>, then the website address monitored by ServerGenius will be <u>http://www.example.com</u>. Also, please enter two website addresses to monitor if your website is accessible through both "http" and "https".

Your new website should be visible on the **Websites Management** page and on the **Dashboard**:

L ServerGenius ≣ RDS Servers	Websites	S Enable Auto Refresh	🕄 Support 🗸	🐥 Alerts 👻	F Administration -					
Dashboard										
My Application Server	TESTING	E DEMO								
Processor: 8 % / RAM: 11 % Active RDS Sessions: 1	Processor: 0 % / RAM: 7 % Active RDS Sessions: 0	Processor: 0 % / RAM: 28 % Active RDS Sessions: 1								
	A									
Inttp://www.example.com	http://terminalserviceplus.com	https://www.tsplus.net/								
Response Time: 80 ms Result: OK (200)	Response Time: 1831 ms Result: OK (200)	Response Time: 54 ms Result: OK (200)								
Activate predefined alerts										

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