# Veeam PostgreSQL database link

1/11



This tutorial has been made available to the entire Esia community thanks to the contribution of our partner Altiore.

Their website: https://www.altiore.be

## Introduction

This tutorial was written for the **15** of PostgreSQL. Be careful when following this tutorial on another version. In particular the PostgreSQL configuration files which are located in a directory whose name is the version number (here **\15**\).

# Creating the database user

To create the user «esia» we will use the pgAdmin application.

### Installing pgAdmin

- 1. From the Installation ISO, in "Redistr\x64\PostgreSQL\15.1-1"
- 2. As a download: Community DL Page

Make sure you select the correct major version for your version of PostgreSQL Server (here **15.XX HERE**)

🍯 Installation	- 🗆 X
Sélection des composants	
Sélectionnez des composants que vous désirez installer, Cliquez sur Suivant pour continuer.	décochez ceux que vous ne voulez pas installer.
<ul> <li>PostgreSQL Server</li> <li>pgAdmin 4</li> <li>Stack Builder</li> <li>Command Line Tools</li> </ul>	pgAdmin 4 is a graphical interface for managing and working with PostgreSQL databases and servers.
InstallBuilder	
	< Retour Suivant > Annuler

### Adding the server to pgAdmin

You now need to add Veeam's PostgreSQL server to pgAdmin by clicking on "Add New Server". Add New Server".



In the **General** "tab, give it a name.

2025/05/17 22:04		3/1	.1			Veeam Postgres	SQL database link
Regist	er - Server						×
General	Connection	Parameters	SSH Tunnel	Advanced	Tags		
Name		PostgreSQ	L 15				
Server gr	oup	Servers	•				~
Backgrou	und	×					
Foregrou	ind	×					
Connect	now?						
Commen	nts						
🕛 Either	Host name or	Service must be	e specified.				×
0					× Close	<li>Reset</li>	🖬 Save
Then go to	o the " <b>Conne</b> d	ction".					
• Hos	t name: 127.0	.0.1					

- Maintenance database: postgres
- Username: postgres
- Password: \* Identical to the Windows password for your Veeam server

Regist	er - Server						×
General	Connection	Parameters	SSH Tunnel	Advanced	Tags		
Host nan	ne/address	127.0.0.1					
Port		5432					
Maintena database	ance	postgres					
Usernam	e	postgres					
Kerberos authentic	cation?						
Passwor	d						
Save pas	sword?						
Role							
Service							
•					× Close	• Reset	B Save

Then click on "Save".

#### Creating a user

1. In the left-hand menu, open/unfold your server and right-click on "Login/Group". Login/Group".

Name your user «esia».



2. Go to the " tab**Definition**"tab to assign a password.

5/11

¶¶ p	gAdmin 4		-	$\times$
File	Object Tools Edit View Window Help			
•	Object Explorer 🛭 🗣 🖽 🧏 🗔	Dashboard × Properties × SQL ×	Statistics × Dependencies × Dependents × Processes ×	:
-	✓ 🚍 Servers (2)	1 No SQL could be gener	ated for the selected object.	
	> 📑 Local	💩 Group Role - Login/Group Roles	×	
D-	✓ I PostgreSQL 15	General Definition Privileges M	embership Parameters Security SQL	
_	🗸 🍔 Databases (2)			
면역	VeeamBackup	Password		
	> 🐼 Casts	Account expires No Expiry		
	> W Catalogs	Bloose pete	that if you leave this field black, then personand will pover expire	
	> L Event Triggers	Please note	that if you leave this field blank, then password will hever expire.	
	> Extensions	Connection limit -1		
	> M <sup>®</sup> Publications			
	> Schemas			
	> <sup>2</sup> ) Subscriptions			
	> 🥃 postgres			
	✓ 🐣 Login/Group Roles (14)			
	🐣 esia			
	🙈 pg_checkpoint			
	🙈 pg_database_owner			
	🙈 pg_execute_server_program			
	🙈 pg_monitor			
	📥 pg_read_all_data			
	📥 pg_read_all_settings	00	🗙 Close 🖸 🔂 Reset 🖬 Save	
	🙈 pg_read_all_stats			

3. Go to the "Privileges" tab and tick "Can login?".



4. Go to the "Membership" tab and add the user to the "pg\_read\_all\_data".

🗣 pgAdm	nin 4					×		
File Object	t Tools Edit View Window Help							
Obje	pe Object Explorer इ 🌐 🚡 🔍 🖂 Dashboard 🗴 Properties 🗴 SQL 🗙 Statistics 🗴 Dependencies 🗴 Dependents 🗴 Processes 🗙							
~ 1	Servers (2)	1 No SQL could be generated for	the selected object.					
5	> 📑 Local	📤 Group Role - Login/Group Roles		×				
5	🗸 願 PostgreSQL 15	General Definition Privileges Membership	Parameters Security SQL					
	🗸 🍔 Databases (2)							
ĘЭ	🗸 🍔 VeeamBackup	Member of		+				
	> 🐼 Casts	User/Role	WITH ADMIN					
	> 💖 Catalogs	A pg read all data						
	> C Event Triggers		· -					
	> 😴 Extensions	Members		+				
	> Foreign Data wrappers	User/Role	WITH ADMIN					
	> C Publications							
	> * Schemas							
	> 🏷 Subscriptions							
	> 🍮 postgres							
	✓ 🚣 Login/Group Roles (14)							
	🐣 esia							
	🙈 pg_checkpoint							
	🚕 pg_database_owner							
	🛕 pg_execute_server_program							
	\land pg_monitor							
	💩 pg_read_all_data							
	A pg_read_all_settings	00	X Close 🕤 Reset	Save				
	🙈 pg_read_all_stats							

5. Then click on "Save".

Next, we need to give our user read access rights to all the tables and views.

er e	pgAdmin 4		-		×
File Ort	Welcome  VeeamBackup/postgres@PostgreSQL 15* ×				
	₩ VeeamBackup/postgres@PostgreSQL 15 2   ₩				0
	Query Query History	Scratch Pad ×			2
	<ul> <li> 1. Donner l'accès en lecture seule sur toutes les tables et vues existantes</li> <li>GRANT USAGE ON SCHEMA public TO esia;</li> <li>GRANT SELECT ON ALL TABLES IN SCHEMA public TO esia;</li> <li>GRANT SELECT ON ALL SEQUENCES IN SCHEMA public TO esia;</li> <li> 2. Appliquer ces droits aux futures tables</li> <li>ALTER DEFAULT PRIVILEGES IN SCHEMA public</li> <li>GRANT SELECT ON TABLES TO esia;</li> </ul>				
	Data Output Messages Notifications				2
	ALTER DEFAULT PRIVILEGES Query returned successfully in 194 msec.				
\$	Total rows: Query complete 00:00:00.194		CRLF	Ln 3, Col	37

- 1. Go to the "Query".
- 2. Choose the DB "VeeamBackup"
- 3. Run the following commands :

сору

```
-- 1. Donner l'accès en lecture seule sur toutes les tables et vues existantes
GRANT USAGE ON SCHEMA public TO esia;
GRANT SELECT ON ALL TABLES IN SCHEMA public TO esia;
GRANT SELECT ON ALL SEQUENCES IN SCHEMA public TO esia;
-- 2. Appliquer ces droits aux futures tables
ALTER DEFAULT PRIVILEGES IN SCHEMA public GRANT SELECT ON
TABLES TO esia;
```

### Allow connection from Esia server

PostgreSQL configuration files are located in a directory whose name is the version number (here **\15**\).

1. Add the IP of the Esia or Unity server in **pg\_hba.conf** 

сору

C:\Program Files\PostgreSQL\15\data\pg\_hba.conf

Example :

```
# TYPE DATABASE USER ADDRESS METHOD
# IPv4 local connections:
host VeeamBackup esia 192.168.10.100/32 md5
```

2. Add the listening addresses in postgresql.conf

сору

```
C:\Program Files\PostgreSQL\15\data\postgresql.conf
```

Replace :

```
# - Connection Settings -
#listen_addresses = 'localhost' # what IP address(es) to listen on;
```

By :

```
# - Connection Settings -
listen_addresses = '*' # what IP address(es) to listen on;
```

3. Open the PostgreSQL port in the incoming firewall (**5432** in TCP)

P Windows Defend	der Firewall wit	h Advanced Securi	ty				
File Action View	v Help						
🗢 🔿 🔁 🖬	a ? 🖬						
🔗 Windows Defend	er Firewall witl	Inbound Rules					Actions
Inbound Rule	S loc	Name	0	iroup	Profile	Enabl ^	Inbound Rules
Connection S	New Inho	ound Rule Wizard					×
> 🛃 Monitoring		10.					
	Protocola	and Ports					
	Specify the pro	tocols and ports to w	hich this rule applies.				
	Steps:						
	Rule Type		Does this rule apply to TCP or	UDP?			
	Protocol an	d Ports	TCP				
	<ul> <li>Action</li> </ul>		○ UDP				
	Profile						
	<ul> <li>Name</li> </ul>		Does this rule apply to all loca	ports or specific lo	cal ports?		
			All local ports				
			Specific local ports:	5432			
				Example: 80	, 443, 5000-5010		
					< Back	Next >	Cancel

4. Restart the PostgreSQL service

Services (Local)					
	^				
postgresql-x64-15	Name	Description	Status	Startup Type	Log On As
	Representation and NFC/SE Man	Manages pa		Disabled	Local Service
Stop the service	Reformance Counter DLL	Enables rem		Manual	Local Service
Restart the service	🌼 Performance Logs & Alerts	Performanc		Manual	Local Service
	🖏 Phone Service	Manages th		Disabled	Local Service
Description	🌼 Plug and Play	Enables a c	Running	Manual	Local Syste
Provides relational database storage.	🌼 Portable Device Enumerator	Enforces gr		Manual (Trig	Local Syste
i lottaes reactorial database storage.	🧛 postgresql-x64-15	Provides rel	Running	Automatic	Network S

### **Configuration on Esia**

You need to activate the Esia backup webplugin. To do this, connect to the Esia server using ssh (Putty) and enter the following command as root: apt update && apt install esia-webp-backup

#### Add a backup node.

In your Esia interface, go to administration (the toothed road on the left) and then click on the "manually add node" button in the top right-hand corner. As shown in the image below.

Ø						E	TAT DES 36 5	15 2 ET	AT DES 340 9	27 34	2
	BONJOUR SALOC	Accueil > Ad	ministration							2 🛛 🔍	0
	GROUPES DE NOEUD	s		IPES DE NOEUDS 🍖 PLU				🜔 LOG			
	RACINE + CLIENT 1 + CLIENT 2		NOEUDS							i) > >>	
	CLIENT 3 CLIENT 4 CLIENT 5		NOM DU NOEUD A	GROUPE 0	TYPE DE NOEUD 🗘	ADRESSE IP 0	DESCRIPTION	2 *	NOMBRE DE SERVICES 🗘	ACTION	
- 0	CLIENT 6										
QC_	CLIENT 8		Accès Internet	Applications	none	10.8.0.11			3	۵ 🗊	
	WEB		app-anscan	Applications	application	0.0.0.0			1	۵.	
			BCK-Bareos-director	Backup	backup server	10.7.0.7			6	۵ 💼	
			BCK-Eurobackup-server	Backup	backup server	10.7.0.9			3	۵.	
			BCK-Mail Analyzer	Backup	none	0.0.0.0	Analyse d'une boite mails rece backups.	vant le résultat de	1	۵.	
۲	1		BCK-Veeam-server	Backup	backup server	10.7.0.8			5	۰.	
			Capteur de température	Salle serveur	none	10.5.0.250	RACK-LOCAL5		6	۵.	
			cl-1-wan-siteB	Pare-feux	none	8.8.8.8			1	۰.	
			cl1-erp	Applications	application	0.0.0.0			1	۵.	
			cl1-maintenance	Maintenance	none	10.13.0.150			1	۵.	
			ell récou	Applications	application	0000			1		

#### The following page appears:

JOUTER UN NOEUD			
INFORMATIONS GÉNÉRALES			
Nom du noeud	Type de noeud	G Groupe	
veeam	Backup server	<ul> <li>Sélectionner le(s) groupe(s) au(x)quel(s) ce noeud a</li> </ul>	
Adresse IP	Connecté derrière la Unity:		
10.12.0.3	none	×	
Description			
			4
			770
INFORMATIONS SNMP			
Version SNMP			
none	¥		
			Ajoute

Specify the name, IP address and group in which the node should appear. **The most important thing is to indicate the type of node, such as "backup server".** A configuration page will appear, asking you to configure the driver. Select the "veeam - db" driver and a menu will appear below it. Click on "SQL Authentication" and enter your database connection parameters.

11/11

JOUTER UN NOEUD		Ø
CONFIGURATION DU DRIVER		
Driver	Durée de rétention (En jours)	
veeam - db	* 15	
Authentification SQL Authentificatio	Windows	
Port		
1433		
Base de donnees		
Veeamoo		
esia		
Mot de passe		
		Annuler Test Sauver

Once you have filled in the details, click on 'Test' to validate your user parameters. If the test is OK, you can save it.

You now need to wait 15 to 30 minutes for synchronisation to take place. Once synchronisation is complete, you can start monitoring your backups. You can continue the tutorial by following this link: Activate back-up monitoring

From: https://wiki.esia-sa.com/ - **Esia Wiki** 

Permanent link: https://wiki.esia-sa.com/en/advanced/bck\_veeam\_pgsql

Last update: 2025/05/12 12:47

