

How to Address SAS PostgreSQL Configuration in SAS EVM

Secondary Issue of Resetting PostgreSQL Owner Password

During install many times if one looks in the deploymentSummary.html there is a warning generated that SAS EVM manager was installed and configured but with warnings. Upon login to the SAS EVM dashboard, PostgreSQL inventory is grayed out and indicates that there is a configuration issue. Often the issue is missing credentials associated with PostgreSQL DB along with incomplete or missing path to the executable.

In this particular case we will be:

1. Updating the dbmsowner password since the original password set at install time was misplaced
2. Updating the PostgreSQL configuration in the SAS EVM dashboard.

Note: The example and screen shot are taken from a Red Hat SAS environment (Linux), but it is applicable o WIN platforms as well.

Resetting dbmsowner Password

Stop all SAS Environment Manager Agents on the system

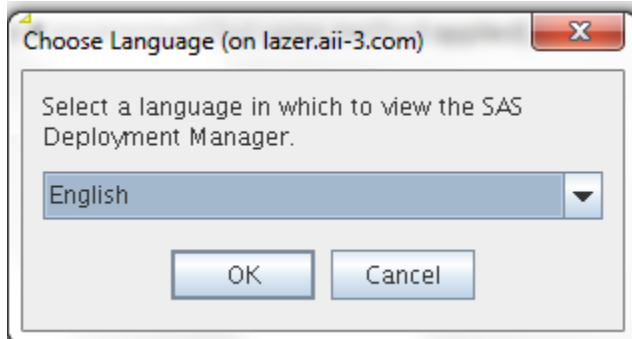
Local Services

Service Name: SAS [Config-Lev1] SAS Environment Manager Agent

Stop

Change Password for SAS internal ID dbmsowner

Execute </SASHome>/SASDeploymentManager/9.4/sasdm.exe





SAS® **Deployment Manager** 9.4

**THE
POWER
TO KNOW.**

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SAS Deployment Manager (on lazer.aii-3.com)

Select SAS Deployment Manager Task
The SAS Deployment Manager provides tasks to help you manage your software deployments. Select the task you want to perform.

The following tasks are available for this software deployment:

- Administration Tasks
 - Update Passwords**
 - Rebuild Web Applications
 - Deploy Web Applications
 - Remove Existing Configuration
 - Update SID File in Metadata
 - Update Host Name References
 - Apply Hot Fixes
 - Update Existing Configuration

Update Passwords
Update passwords for selected users in an existing configuration.

[Help](#) < Back **Next >** Cancel



Select Configuration Directory/Level

Select the configuration directory and the level within the configuration directory to manage.

Select Configuration Directory

Configuration Directory	Configuration Level
/dev/opt/sas/6.2/config	Lev1

Enter Configuration Directory and Level

Configuration Directory:

Browse...

Configuration Level:

Lev1 ▾

Help

< Back

Next >

Cancel

Specify Connection Information

Specify connection information to the SAS Metadata Server.

Host Name:

lazer.aii-3.com

Port:

8561

User ID:

sasadm@saspw

Password:

••••••



Help

< Back

Next >

Cancel

Next

SAS Deployment Manager (on lazer.aii-3.com)

SAS Web Infrastructure Database JDBC Properties

Specify the connection information for the SAS Web Infrastructure Database JDBC connection.

User ID:

Password:

Next



Select User IDs

Select the user IDs for which the passwords should be updated.

User ID	Authentication Domain
<input type="checkbox"/> vatadm	Not Applicable
<input type="checkbox"/> sassearch@saspw	Not Applicable
<input type="checkbox"/> webanon@saspw	Not Applicable
<input type="checkbox"/> sastrust@saspw	Not Applicable
<input type="checkbox"/> sasadm@saspw	Not Applicable
<input type="checkbox"/> SharedServices	Not Applicable
<input type="checkbox"/> sassrv	DefaultAuth
<input checked="" type="checkbox"/> dbmsowner	Not Applicable
<input type="checkbox"/> adminowner	Not Applicable
<input type="checkbox"/> vdbadm	Not Applicable



Select All

Clear All

Help

< Back

Next >

Cancel

Next

SAS Deployment Manager (on lazer.aii-3.com)

Specify New Password
Specify the new password for the "dbmsowner" user ID.

User ID:
dbmsowner

Password:

Confirm Password:

Help < Back Next > Cancel

Enter New Password and click Next

Once the process finishes start the Environment Manager Agent

Local Services

Service Name: SAS [Config-Lev1] SAS Environment Manager Agent

Start

Update PostgreSQL Configuration via Environment Manager Web Page

Log on to the EVM Manager Web page typically: <http://<hostname>:<port>> usually as sasadm@saspw

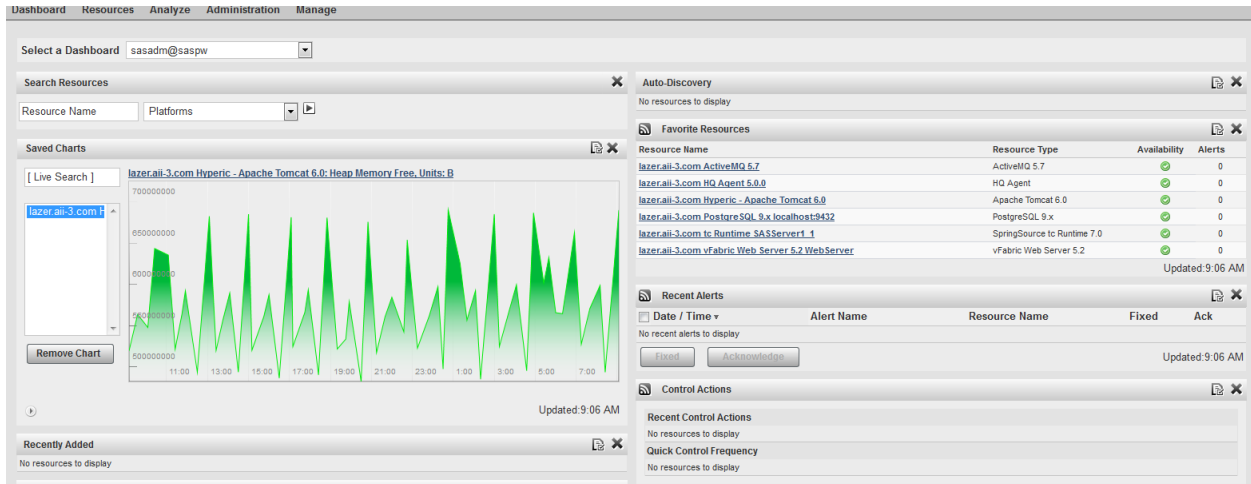


Figure 1: Main page of SAS EVM dashboard, the look of the dashboard may vary depending on how different services were added

Scroll down on page

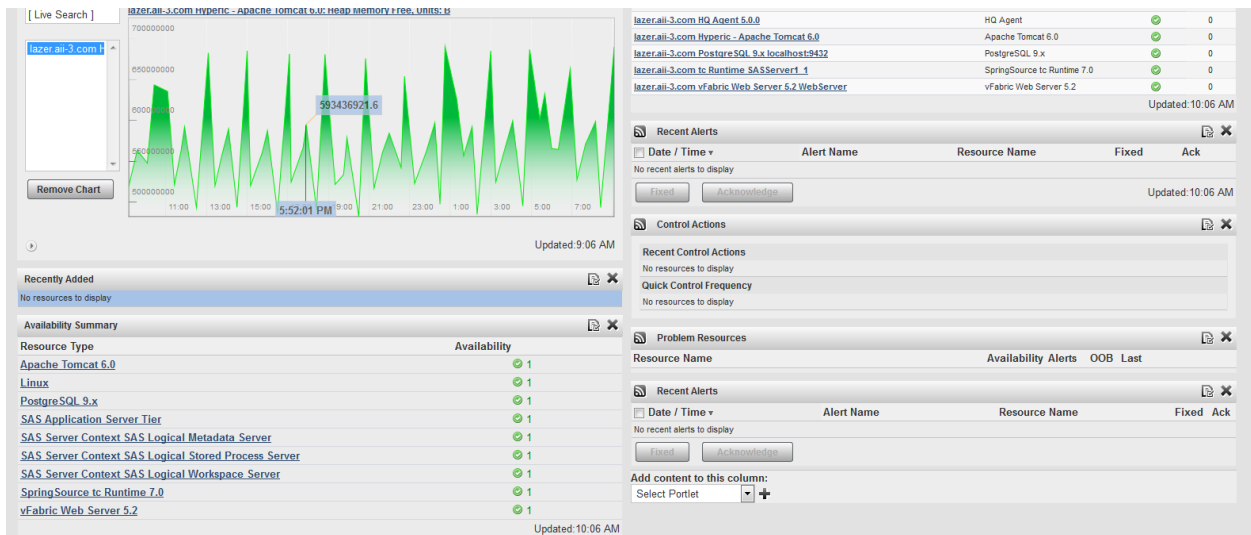


Figure 2: Scrolling down to get to 'Available Resource' section

Recently Added 📄 ✕

No resources to display

Availability Summary 📄 ✕

Resource Type	Availability
Apache Tomcat 6.0	✔ 1
Linux	✔ 1
PostgreSQL 9.x	✔ 1
SAS Application Server Tier	✔ 1
SAS Server Context SAS Logical Metadata Server	✔ 1
SAS Server Context SAS Logical Stored Process Server	✔ 1
SAS Server Context SAS Logical Workspace Server	✔ 1
SpringSource tc Runtime 7.0	✔ 1
vFabric Web Server 5.2	✔ 1

Updated: 10:06 AM

Figure 3: Zoomed in Section. Click on PostgreSQL9.x

Dashboard Resources Analyze Administration Manage

Servers - PostgreSQL 9.x

Tools Menu ▾

Search: Keywords PostgreSQL 9.x Unavailable Owned by HQ Match: Any All ▾

Platforms (2) | Servers (12) | Services (854) | Compatible Groups/Clusters (0) | Mixed Groups (0) | Applications (0)

[Show Chart View](#)

Server	Buffer Hits %	Buffer Read per Second	Commits per Second	Connections	Connections Idle	Connections Usage	Cpu Usage	Rollbacks per Second	Rows Read per Second	Rows Write per Second	Availability
lazerail-3.com PostgreSQL 9.x localhost9432	99.9%	0.1	4.6	79.0	74.0	30.9%	0.8%	0.0	53.9	6.1	✔

Total: 1 Items Per Page: 15 ▾

Figure 4: Lists the PostgreSQL server

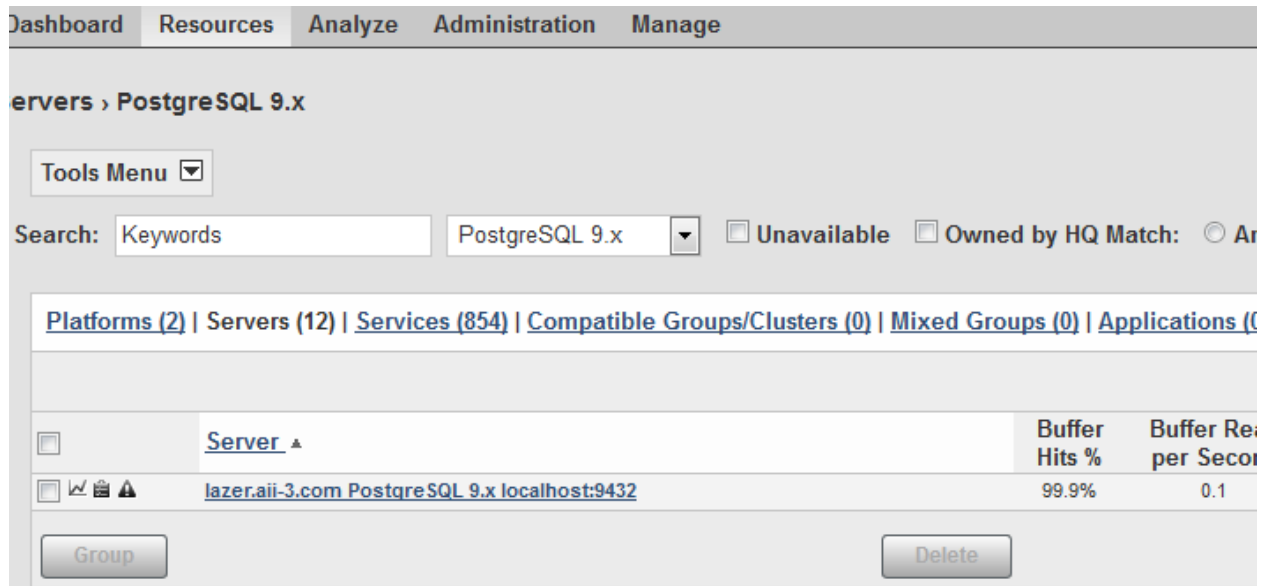


Figure 5: Zoomed in figure. Click on the link shown above

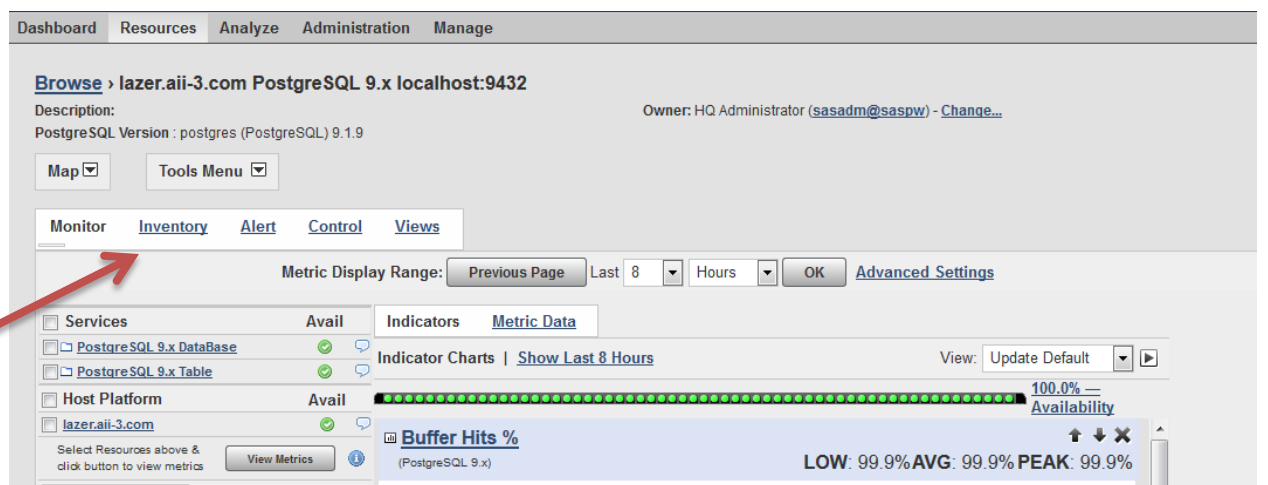


Figure 6: Click on the Inventory, when the next page renders scroll to the bottom towards configuration section



Figure 7: Bottom of the page Configuration section

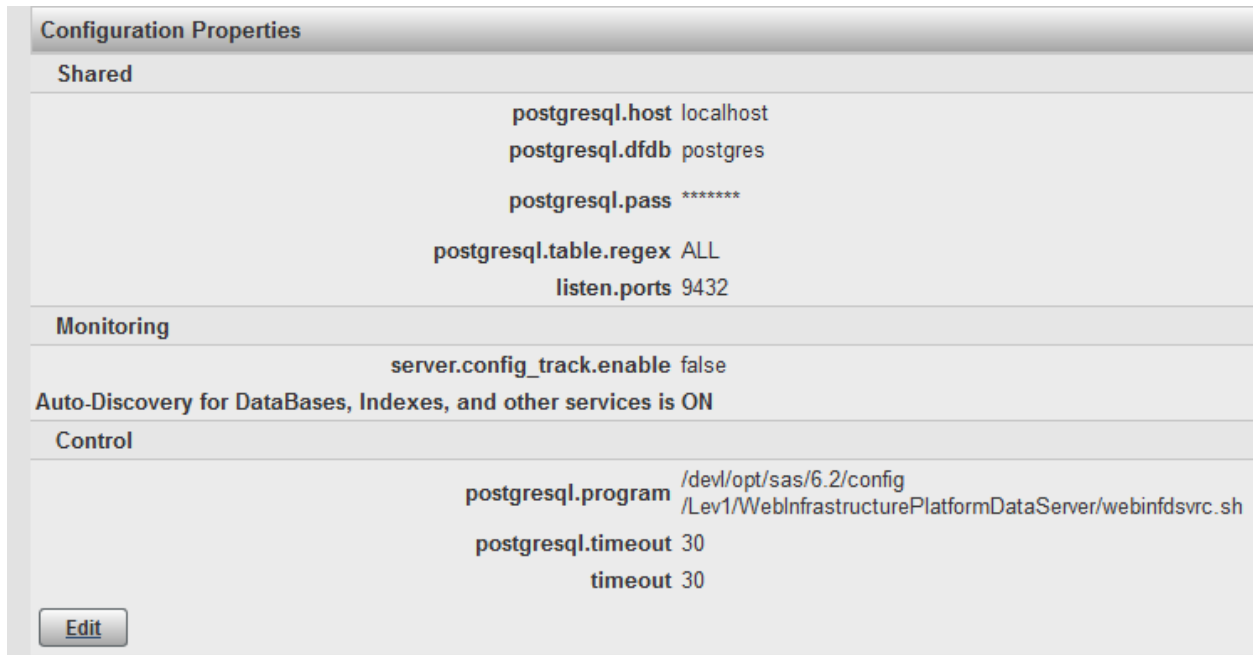


Figure 8: Zoomed section, click on Edit

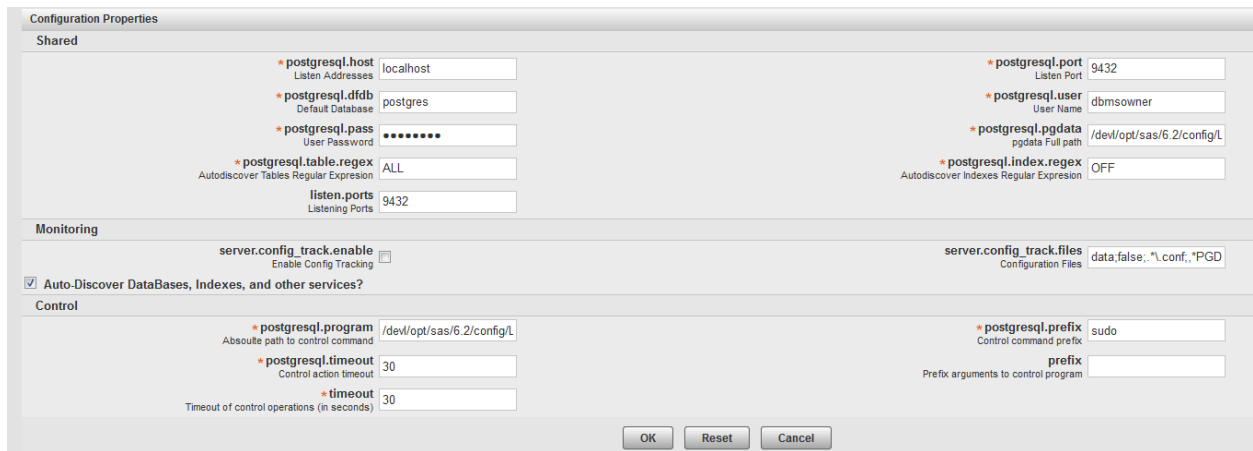


Figure 9: Edit Page, zoomed section shown in following figures

* postgresql.port Listen Port	9432
* postgresql.user User Name	dbmsowner
* postgresql.pgdata pgdata Full path	/dev/opt/sas/6.2/config/L
* postgresql.index.regex Autodiscover Indexes Regular Expression	OFF

Figure 10: Zoomed Section, often dbmsowner ID is missing, enter the ID

Configuration Properties	
Shared	
* postgresql.host Listen Addresses	localhost
* postgresql.dfdb Default Database	postgres
* postgresql.pass User Password
* postgresql.table.regex Autodiscover Tables Regular Expression	ALL
listen.ports Listening Ports	9432

Figure 11: Provide password, this is the same password for dbmsowner that was re-set using SAS Deployment Manager

server.config_track.enable <input type="checkbox"/>	
Enable Config Tracking	
<input checked="" type="checkbox"/> Auto-Discover DataBases, Indexes, and other services?	
Control	
* postgresql.program Absolte path to control command	/dev/opt/sas/6.2/config/L
* postgresql.timeout Control action timeout	30
* timeout Timeout of control operations (in seconds)	30

Figure 12: Often the path to the ebinfdsvrc.sh or ebinfdsvrc.exe is missing, add the complete path to the executable. Typically the path is <sas-config-dir>/config/Lev1/WebInfrastructurePlatformDataServer/webinfdsvrc.sh

Save the configuration, typically the changes propagate within few minutes and you could see the PostgreSQL 9.x running

Recently Added	
No resources to display	
Availability Summary	
Resource Type	Availability
Apache Tomcat 6.0	✓ 1
Linux	✓ 1
PostgreSQL 9.x	✓ 1
SAS Application Server Tier	✓ 1
SAS Server Context SAS Logical Metadata Server	✓ 1
SAS Server Context SAS Logical Stored Process Server	✓ 1
SAS Server Context SAS Logical Workspace Server	✓ 1
SpringSource tc Runtime 7.0	✓ 1
vFabric Web Server 5.2	✓ 1

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