TSI® FMS 5 SOFTWARE HOW TO CONFIGURE SEVERAL MONITORS ON ONE COMPUTER WRITING TO DIFFERENT DATABASES

TECHNICAL BULLETIN TCC-107 (US)

Contents

Prerec	juisites	2
Assum	iptions	2
Postgr	eSQL 9.3.5 Configuration Instructions	2
1.	Configuring pga_conf	2
2.	Create Database "fms02"	.4
3.	Set Privileges on "fms02" Database	7
4.	Create Schema "fms02"	9
5.	Create Tables in Schema "fms02"	11
6.	FMS Configuration Instructions	19



Prerequisites

To run this procedure FMS 5.0.7, including all latest Software Updates, must be installed along with 32bit PostgreSQL Version 9.3.5 or above.

Assumptions

This procedure explains how to set more than one Node on the same Monitor.

We will assume running two Nodes called:

- FMS_DEMO
- FMS_DEMO_1

Both Nodes will then store data in different PostgreSQL Databases that we will call:

- "fms01" for NODE_DEMO
- "fms02" for NODE_DEMO_1

We assume that PostgreSQL has been installed to the default installation folder which is:

C:\PROGRAM FILES (X86)\POSTGRESQL\9.3\DATA

If PostgreSQL has been installed in a different folder please replace, in this procedure, the path shown above with the one you have chosen during PostgreSQL installation.

PostgreSQL 9.3.5 Configuration Instructions

1. Configuring pga_conf

1.1 Start pgAdmin III.

1.2 Add the local IP address to the file pga_hba.conf by starting:

- Select in Menu File Open pga_hba.conf
- Browse for this file within the Postgres 9.3 installation folder (C:\PROGRAM FILES (X86)\POSTGRESQL\9.3\DATA).
- 1.3 On the following screen double click on the last line as shown below.

🕅 Backer	nd Access Configuration	on Editor				
File Edit	Help					
🖻 🔳	🕨 🦛 🖬 🗣 💡					
Туре	Database	User	IP-Address	Method	Option	
🔽 host	all	all	127.0.0.1/32	md5		
🗹 host	all	all	::1/128	md5		
🗖 host	replication	postgres	127.0.0.1/32	md5		
nost	replication	postgres	::1/128	md5		
•						
Configurati	on read from C:\Program	Files (x86) PostgreSQL (9.3\data\pg_hba.conf			11.

1.4 Enter the following values:

Client Access Configuration						
Enabled						
Туре	host					
Database	al					
User	al					
IP Address	192.168.1.50/24					
Method	md5					
Option						
Help	OK Cancel					

Note: The IP address is your local Computer IP Address.

1.5 Click on the **Save** icon and then exit.

Reackend Access Configuration Editor								
File Edit dep								
1 B	🔁 🖩 ᡝ 🛯 🖷 🛛 🗣 💡							
Туре	Database	User	IP-Address	Method	Option			
🗹 host	all	all	127.0.0.1/32	md5				
🗹 host	all	all	::1/128	md5				
🗌 host	replication	postgres	127.0.0.1/32	md5				
🗌 host	replication	postgres	::1/128	md5				
🗹 host	all	all	192.168.1.50/24	md5				
4						Þ		
Configuratio	on read from C:\Program	Files (x86) \PostgreSQL \9	9.3\data\pg_hba.conf			1.		

1.6 Restart PostgreSQL 9.3 Service by right-clicking on "**PostgreSQL 9.3**" Server and select "**Stop**".



1.7 Click on "**Yes**" to confirm you want to stop the service.



1.8 Right-click on "PostgreSQL 9.3" Server and select "Start Service".



2. Create Database "fms02"

- 2.1 Start pgAdmin III.
- 2.2 Expand "PostgreSQL 9.3" then expand "Databases (2)".



2.3 Click on "**fms01**" database then click on the following icon:



2.4 Enter the following values:

- Name= "fms02"
- Owner= "postgres"

🧻 New Data	abase
Properties	Definition Variables Privileges Security Labels SQL
Name	fms02
OID	
Owner	postgres 💌
Comment	
Liele	

Then click on the "Definition" tab.

2.5 From the drop-down list "Tablespace" select "pg_default".

From the drop-down list "Collation" and "Character Type" select your language code page. This value depends on the Windows[®] Operating System language.

🧻 New Dat	abase X
Properties	Definition Variables Privileges Security Labels SQL
Encoding	UTF8
Template	
Tablespace	pg_default
Collation	French Belgium. 1252
Character t	ype French_Belgium. 1252 POSTX
Connection	Umit -1
/	
Schema res	triction
Help	OK Cancel

- 2.6 Click "OK".
- 2.7 Click on "**PostgreSQL 9.3**" then click on the icon shown below. This will refresh your screen and will show the newly created database "fms02".



3. Set Privileges on "fms02" Database

3.1 Click on "**fms02**" then click the following icon:

🕼 pgAdmin III
File Edit Plugins View Tools Help
🖉 🥑 💼 🦦 🐼 🔎 🏢 🌽 🙀
Object browser X
Server Groups
🗄 🖷 📴 Servers (3)
PostgreSQL 8.4 (localhost:5432)
🖻 📗 PostgreSQL 9.3 (x86) (localhost:5432)
E Databases (3)
terrent fins01
Tablespaces (2)
E Group Roles (1)
Q dient
monitor
postgres
1

3.2 A new window will show up.



3.3 Copy and paste the following code into this window:

```
ALTER ROLE monitor IN DATABASE fms02
SET search_path = fms02;
ALTER ROLE postgres IN DATABASE fms02
SET search_path = fms02;
ALTER ROLE client IN DATABASE fms02
SET search_path = fms02;
GRANT CONNECT, TEMPORARY ON DATABASE fms02 TO public;
GRANT ALL ON DATABASE fms02 TO postgres;
GRANT ALL ON DATABASE fms02 TO monitor_group;
GRANT ALL ON DATABASE fms02 TO monitor;
GRANT ALL ON DATABASE fms02 TO client;
```

Note: Be careful to copy exactly the code from A to ;

😰 Query - fms01 on postgres@localhost:5432 *			
File Edit Query Favourites Macros View Help			
፤ 🗅 📂 🖶 📕 🗣 🛷 🐢 🎓 🔎 🗞 🎭 🏣 🗑 🛛 🗍 😵 🗐 🔀 💷 🖓]		
SQL Editor Graphical Query Builder			Ŧ
Previous queries	•	Delete	Delete All
ALTER ROLE monitor IN DATABASE fms02 SET search_path = fms02; ALTER ROLE postgres IN DATABASE fms02 SET search_path = fms02; ALTER ROLE client IN DATABASE fms02 SET search_path = fms02; GRANT CONNECT, TEMPORARY ON DATABASE fms02 TO public; GRANT ALL ON DATABASE fms02 TO postgres; GRANT ALL ON DATABASE fms02 TO monitor_group; GRANT ALL ON DATABASE fms02 TO monitor; GRANT ALL ON DATABASE fms02 TO client;			
			•
Output pane			
Data Output Explain Messages History			

3.4 Click on the following icon to execute the Query:

Cuery - fms01 on postgres@localhost:5432 * File Edit Query Favourites Macros View Help	
🔋 🗅 🚰 🖶 📕 🖷 🗭 🛷 🔊 🏞 🕨 🔀 🎼 🗞 🏣 🏤 🔳 🍄 🔋 🗐 📾 Sono 1 on postgres@localhost:5432	
SQL Editor Graphical Query Builder	-
Previous queries	Delete Delete All
ALTER ROLE monitor IN DATABASE fms02 SET search_path = fms02; ALTER ROLE postgres IN DATABASE fms02 SET search_path = fms02; ALTER ROLE client IN DATABASE fms02 SET search_path = fms02; GRANT CONNECT, TEMPORARY ON DATABASE fms02 TO public; GRANT ALL ON DATABASE fms02 TO postgres; GRANT ALL ON DATABASE fms02 TO monitor_group; GRANT ALL ON DATABASE fms02 TO monitor; GRANT ALL ON DATABASE fms02 TO client;	
Output pane	
Data Output Explain Messages History	

- 3.5 Close the Query window without saving.
- 3.6 You **MUST** get a result successful message in the Output pane; otherwise, it means that you did not correctly paste the code in step 3.3.

3.7 Click on database "**fms02**", followed by clicking on the **Refresh** 🙋 icon.

Verify that the "search_path" is set correctly as shown below.

Object browser X	Properties Statistics Dependent	dencies Dependents
Server Groups	Descents	l unit a
🖃 📑 Servers (3)	Property	Value
 PostgreSQL 8.4 (192.168.1.4:5432) 	Name	fms02
PostgreSQL 8.4 (localhost: 5432)	OID	16596
PostgreSQL 9.3 (x86) (localhost: 5432)	Owner	postgres
🖻 🤤 Databases (3)	ACL .	${=} {\sf Tc/postgres, postgres=CTc/postgres, monitor_group=CTc/postgres, monitor=CTc/postgres, client=CTc/postgres} \\$
	💓 Tablespace	pg_default
	💭 Default tablespace	pg_default
postgres	Encoding	UTF8
Tablespaces (2)	Collation	French_Belgium. 1252
🕀 者 Group Roles (1)	Character type	French Belgium, 1252
🖻 🚲 Login Roles (3)	Default schema	
	Default table ACI	
monitor	Default sequence ACI	
	Default function ACL	
	Default type ACI	
	search path (role monitor)	fms02
	search path (role postgres)	fms02
	search nath (role client)	fmc02
	Allow connections?	Vec
	Connected2	Yes
	Connected:	1
	Connection limit	-1
	System database?	NO
	(F) Comment	

4. Create Schema "fms02"

4.1 Expand Database "fms01" then expand "Schemas (1)". You should only see a "public" schema.



4.2 Click on the 🔎 icon while you are on "Schema (1)".

4.3 Copy and paste the following code into the Query window:

CREATE SCHEMA fms02 AUTHORIZATION monitor_group; GRANT ALL ON SCHEMA fms02 TO monitor_group; GRANT ALL ON SCHEMA fms02 TO postgres; GRANT ALL ON SCHEMA fms02 TO monitor;

4.4 GRANT ALL ON SCHEMA fms02 TO client;

Note: Be careful to copy exactly the code from C to ;

4.5 Click on the "Execute Query" icon.

Query - fms02 on postgres@localhost:5432 *					
The cold Query ravourities macros view help	.	Ⅰ 💡 🕴 🗖 fms02 on postgres@lo	calhost: 5432	-	
SQL Editor Graphical Query Builder		Ŧ	Scratch pad		×
Previous queries		Delete Delete All			
CREATE SCHEMA fms02 AUTHORIZATION monitor_group;		<u> </u>			
GRANT ALL ON SCHEMA fms02 TO monitor_group; GRANT ALL ON SCHEMA fms02 TO postgres;					
GRANT ALL ON SCHEMA fms02 TO monitor; GRANT ALL ON SCHEMA fms02 TO client;					
		• •	4		▼ ▶
Output pane					×
Data Output Explain Messages History					Ŧ
leady.	Linix	Lp 7 Col 1 Ch 209			
licanà	Onix	Lin 7, Col 1, Cil 200	J		

4.6 You **MUST** get a result successful message in the Output pane; otherwise, it means that you did not correctly paste the code in step 4.3.

🔊 Query - fms02 on postgres@localhost:5432 *	
File Edit Query Favourites Macros View Help	
፤ 🗅 🚰 🖶 🐰 🛅 🖷 🖉 i 🧑 🐢 🔎 🕨 🎼 🍓 🐮 🔳 💡 🕴 🖬 fms02 on postgres@localhost:5432 💌	
SQL Editor Graphical Query Builder	×
Previous queries Delete All	-
CREATE SCHEMA fms02 AUTHORIZATION monitor_group; GRANT ALL ON SCHEMA fms02 TO monitor_group; GRANT ALL ON SCHEMA fms02 TO postgres; GRANT ALL ON SCHEMA fms02 TO monitor; GRANT ALL ON SCHEMA fms02 TO client;	Y
Output pane	×
Data Output Explain Messages History	=
Query returned successfully with no result in 101 ms.	<u> </u>

- 4.7 Close the Query window without saving.
- 4.8 Click on schema "**fms02**", followed by clicking on the **Refresh** 🛃 icon.

4.9 You should now see the newly created schema "fms02".



5. Create Tables in Schema "fms02"

- 5.1 While you are on "fms02" schema click on the **SQL** 🔊 icon.
- 5.2 Copy and paste the following code into the Query window :

```
CreateCommonTables.sql
```

Note: Be careful to copy exactly the code from -- to ; (written in blue)

5.3 You may also edit the file shown above "CreateCommonTables.sql" and copy all the code:

```
-- DROP TABLE fms02.alarm list;
CREATE TABLE fms02.alarm list
(
  timedate timestamp without time zone,
 node character varying(64),
 source character varying(64),
 messages character varying(255)
)
WITH (
  OIDS=FALSE
);
ALTER TABLE fms02.alarm list OWNER TO monitor;
-- Index: fms02.alarm list index
-- DROP INDEX fms02.alarm list index;
CREATE INDEX alarm list index
 ON fms02.alarm list
 USING btree
  (node, source);
CREATE TABLE fms02.alarm log
(
  timedate timestamp without time zone,
```

```
source character varying(32),
 messages character varying(255)
)
WITH (
 OIDS=FALSE
);
ALTER TABLE fms02.alarm log OWNER TO monitor;
-- Index: fms02.alarm log index
-- DROP INDEX fms02.alarm log index;
CREATE INDEX alarm log index
 ON fms02.alarm log
 USING btree
  (timedate);
CREATE TABLE fms02.annotations
(
 annotation id character varying(64),
 timeentry timestamp without time zone,
  timedate timestamp without time zone,
 sample point character varying(32),
 tagname character varying(32),
 "comment" character varying(255),
 source character varying(32),
 publicview character varying(1)
)
WITH (
 OIDS=FALSE
);
ALTER TABLE fms02.annotations OWNER TO monitor;
-- Index: fms02.annotation index
-- DROP INDEX fms02.annotation index;
CREATE INDEX annotation index
 ON fms02.annotations
 USING btree
  (annotation id);
CREATE TABLE fms02.audit log
(
 timedate timestamp without time zone,
 source character varying (32),
 messages character varying (255)
)
WITH (
 OIDS=FALSE
);
ALTER TABLE fms02.audit log OWNER TO monitor;
-- Index: fms02.audit log index
-- DROP INDEX fms02.audit log index;
```

```
CREATE INDEX audit_log_index
 ON fms02.audit log
 USING btree
  (timedate);
CREATE TABLE fms02.batch events
(
 timedate timestamp without time zone,
 batch id character varying(64),
 timeevent timestamp without time zone,
 source character varying(32),
 eventname character varying (255),
 eventcomment character varying (255)
)
WITH (
 OIDS=FALSE
);
ALTER TABLE fms02.batch events OWNER TO monitor;
-- Index: fms02.batch events index
-- DROP INDEX fms02.batch events index;
CREATE INDEX batch events index
 ON fms02.batch events
 USING btree
  (batch id);
CREATE TABLE fms02.batch names
(
 timedate timestamp without time zone,
 batch name character varying(64),
 source character varying(32)
)
WITH (
 OIDS=FALSE
);
ALTER TABLE fms02.batch names OWNER TO monitor;
-- Index: fms02.batch names index
-- DROP INDEX fms02.batch names index;
CREATE INDEX batch names index
 ON fms02.batch names
 USING btree
  (batch name);
CREATE TABLE fms02.event log
(
 timedate timestamp without time zone,
 source character varying(32),
 messages character varying (255)
)
WITH (
 OIDS=FALSE
```

```
);
ALTER TABLE fms02.event log OWNER TO monitor;
-- Index: fms02.event log index
-- DROP INDEX fms02.event log index;
CREATE INDEX event_log_index
 ON fms02.event log
 USING btree
  (timedate);
CREATE TABLE fms02.recipe log
(
 timedate timestamp without time zone,
 recipetrigger character varying(64),
 target character varying(64),
 targettype character varying(64),
 oldrecipe character varying(64),
 newrecipe character varying(64),
 source character varying(64),
 "comment" character varying (255)
)
WITH (
 OIDS=FALSE
);
ALTER TABLE fms02.recipe log OWNER TO monitor;
-- Index: fms02.recipe log index
-- DROP INDEX fms02.recipe log index;
CREATE INDEX recipe log index
 ON fms02.recipe log
 USING btree
  (timedate);
CREATE TABLE fms02.spc
(
  samplepoint character varying(64),
  tagname character varying(32),
  timedate timestamp without time zone,
  state smallint,
 meanv double precision,
 maxv double precision,
 minv double precision,
 rangev double precision,
 sdv double precision,
 currentv double precision,
 sumv double precision,
 fdiff double precision,
 nv smallint
)
WITH (
 OIDS=FALSE
);
```

```
ALTER TABLE fms02.spc OWNER TO monitor;
-- Index: fms02.spc index
-- DROP INDEX fms02.spc index;
CREATE INDEX spc index
  ON fms02.spc
  USING btree
  (samplepoint, tagname, timedate);
CREATE TABLE fms02.study details
(
 timedate timestamp without time zone,
 study id character varying(64),
 source character varying(32),
 descr character varying (255),
 notes character varying (255),
 alarmgroup character varying(64),
 director character varying(32),
 active character varying(1)
)
WITH (
 OIDS=FALSE
);
ALTER TABLE fms02.study details OWNER TO monitor;
-- Index: fms02.study details index
-- DROP INDEX fms02.study details index;
CREATE INDEX study_details_index
 ON fms02.study details
 USING btree
  (study id);
CREATE TABLE fms02.study events
(
 timedate timestamp without time zone,
 study id character varying(64),
 timeevent timestamp without time zone,
 source character varying(32),
 eventname character varying (255),
 eventcomment character varying (255)
)
WITH (
 OIDS=FALSE
);
ALTER TABLE fms02.study events OWNER TO monitor;
-- Index: fms02.study events index
-- DROP INDEX fms02.study events index;
CREATE INDEX study events index
  ON fms02.study events
```

```
USING btree
  (study id);
CREATE TABLE fms02.study names
(
 timedate timestamp without time zone,
 study name character varying(64),
 source character varying(32),
 active character(1) DEFAULT '1'::bpchar
)
WITH (
 OIDS=FALSE
);
ALTER TABLE fms02.study names OWNER TO monitor;
-- Index: fms02.study names index
-- DROP INDEX fms02.study names index;
CREATE INDEX study names index
 ON fms02.study names
 USING btree
  (study name);
CREATE TABLE fms02.study users
(
 timedate timestamp without time zone,
 study id character varying(64),
 source character varying(32),
 studyuser character varying (255),
 "role" integer
)
WITH (
 OIDS=FALSE
);
ALTER TABLE fms02.study users OWNER TO monitor;
-- Index: fms02.study users index
-- DROP INDEX fms02.study users index;
CREATE INDEX study users index
 ON fms02.study users
 USING btree
  (study id);
CREATE TABLE fms02.trace log
(
 timedate timestamp without time zone,
 source character varying (32),
 messages character varying(255)
)
WITH (
```

```
OIDS=FALSE
);
ALTER TABLE fms02.trace_log OWNER TO monitor;
-- Index: fms02.trace_log_index
-- DROP INDEX fms02.trace_log_index;
CREATE INDEX trace_log_index
    ON fms02.trace_log
    USING btree
    (timedate);
```

- 5.4 Run the Query by clicking the "Execute Query" icon.
- 5.5 You **MUST** get a result successful message in the Output pane, otherwise it means that you did not correctly paste the code in step 5.2.

	• •						
😰 Query - fms(02 on postgres@localhost:5432 *						
File Edit Quer	y Favourites Macros View Help						
i 🗅 🔂 🔳	🐰 🗈 📬 🥢 \land 🧒 🔎 🕨 🎼 🏣 🔚 💡 🕴 🖬 fms02 on postgres@l	calhost:5432					
SQL Editor	Graphical Query Builder 🗸 🗸	Scratch pad					
Previous queries	Delete All						
WITH (OIDS=	FALSE						
ALTER T	ABLE fms02.trace_log OWNER TO monitor;						
Inde	Index: fms02.trace_log_index						
DROP INDEX fms02.trace_log_index;							
CREATE	INDEX trace_log_index						
ON fm	us02.trace_log						
USING	btree						
(time	cate);						
	<u> </u>	न					
Output pane							
Data Output	Explain Messages History						
Query return	ned successfully with no result in 121 ms.						

5.6 Close the Query window without saving.

5.7 Expand Schema "fms02".



- 5.8 While you are on Schema "fms02" click the **Refresh** 🔊 icon.
- 5.9 You should now be able to see all newly created tables.



6. FMS Configuration Instructions

6.1 Edit the GUARD.INI file located in C:\FMS5\BIN

- Copy the entire first line and append it to the file
- Change the request port
- Change the LocalFile to required name
- o Change the PasswordFile to required name

In our case:

```
C:\FMS5\bin\Monitor -node=FMS_DEMO request=4003 -
localfile=nodelocal.xml -passwordfile=nodepassword.xml
C:\FMS5\bin\Monitor -node=FMS_DEMO_1 request=4004 -
localfile=nodelocal1.xml -passwordfile=nodepassword1.xml
```

See associated File.

6.2 Save your changes.

6.3 In C:\FMS5\Config copy the NodeLocal.xml to NodeLocal1.xml.

- 6.4 Edit NodeLocal1.xml file:
 - Change License Number.
 - Change Requested Port.
 - o Change DbName to "fms02"

In our case:

```
<TestLocal>
 <BaseConfiguration Name="Client" >
  <Item Name="MonitorModules"
>Generic, PhoenixContact, Calculated, OutputControl, AsciiOutput, Actions</I
tem>
  <Item EnableBuddy2="0" EnableBuddy3="0" Buddy1Command="" ExitBuddy=""</pre>
Buddy2Command="" Buddy3Command="" Name="Monitors" Buddy1=""
EnableExitBuddy="0" Buddy2="" TakeOverTime="1" Buddy3=""
EnableBuddy1="0" />
 <Item ClientName="" Reverse="0" Description="" Name="ID"
LicenseId="LICENSE NUMBER" Language="English" />
 <Item RebootAt="0" AgePasswords="0" Win32Logins="0"</pre>
RebootTime="00:00:00" AgePasswordDays="0" Name="Security"
Win32Domain="" />
 <Item ClientPassword="fms" PasswordServer="0" RequestPort="4004"</pre>
AutoPasswords="0" EnableArchiving="0" Host="localhost"
InhibitAlarmList="0" Password="fms" DbName="fms02" Type="QPSQL"
User="monitor" ClientUser="client" Name="MonitorSetup"
BroadcastPort="4001" NetworkInterface="Intel(R) Ethernet Connection
I218-LM" ArchiveDirectory="" Port="5432" />
 <Item EnableArchiving="1" Name="Archive"</pre>
ArchiveDirectory="C:\FMS5\Archive" />
 <Item UIDPrefix="" ReportTemplateLocation="" UseUID="0"</pre>
UseTemplateLocation="0" Name="Reporting" />
 </BaseConfiguration>
</TestLocal>
```

See associated File.

- 6.5 Start the GUARD Service.
- 6.6 Start FMS Client.

6.7 Both Nodes are present in FMS.

FMS Client Client							
Client	Client Node Windows Help						
🗠 💽 沙 🥩 😋 🍓 🐝 🧱 🔛 🏰 Actions 🚜 🗼 📊 ன							
Configu	Configured Configured						
FMS_DEMO							
					1		
Messag	es	*				Statistics	
Node	Date/Time 🗸	Source	Type	Message	Sample Status	Tag Status Alarm	
Local	14-01-2015 22:16:18	Local	Ok	Monitor Has Connected FMS_DEMO1 from 192.168.1.50	Name	Value	
Local	14-01-2015 22:16:18	Local	Ok	Monitor Has Connected FMS_DEMO from 192.168.1.50	-		
Local	14-01-2015 22:16:15	Local	Ok	Monitor Has Connected FMS_DEMO1 from 192.168.1.50			
Local	14-01-2015 22:16:15	Local	Ok	Monitor Has Connected FMS_DEMO from 192.168.1.50			
						14-01-2015 22:17:16	

6.8 Complete the configuration of both Nodes with all the Units and, sample points...



FMS Client Client						
Client Node Windows Help						
🕒 🖪 🔗 🥩 😨 🕘 💈 🤹 🧱 🚰 🎦 💁 Actions 🚜 🗼 📊 👥						
Configur	Configured Units Status Consecutions December 201					
EN EN		MS DEN	10			
		MO_DEN	10		SimulatedAD0	DEMO 1
					-	
DE	MO_1_HUMIDITY			DEMO_OPC		
🥗 Valı	ue : 7.0 %RH			✓ 0.5 : 0 C/cuft		
					SimulatedOPC	_DEMO_1
Messages Statistics occorrections of						Statistics
Node	Date/Time V	Source	Туре	Message	Sample Status	Tag Status Alarm
Local	14-01-2015 22:24:28	Local	Ok	Monitor Has Connected FMS_DEMO1 from 192.168.1.50	Name	Value
					Last Failure	none
Local	14-01-2015 22:24:28	Local	Ok	Monitor Has Connected FMS_DEMO from 192.168.1.50	Last Warning	none
Local	14-01-2015 22-24-27	Local	Ok	Monitor Has Connected FMS_DEMO from 192 168 1 50	Last Reading	14-01-2015 22:28:09
Local	14-01-2013 22.24.27	Local	-	Alondo Has connected 11415_DENIO Hom 192.108.1.50	Last Ack.	none
Local	14-01-2015 22:24:27	Local	Ok	Monitor Has Connected FMS_DEMO1 from 192.168.1.50	Enabled	Derault True
					Ack.State	No acknowledge 🛓
					Faihrer	14-01-2015 22:28:23
						1.01 2015 22.20.25

6.9 Now when looking inside the database "fms01" & "fms02" you can see that all tables are correctly created and data is getting stored in both databases.



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UNDERSTANDING, ACCELERATED

TSI Incorporated – Visit our website www.tsi.com for more information.

USA	Tel: +1 800 874 2811	India	Tel: +91 80 67877200
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France	Tel: +33 1 41 19 21 99	Singapore	Tel: +65 6595 6388
Germany	Tel: +49 241 523030		

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