

System Configuration

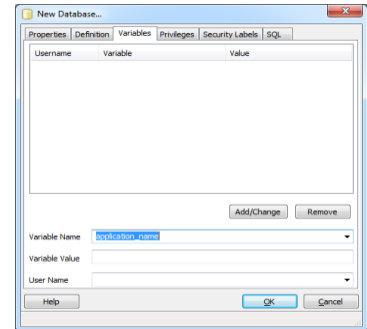
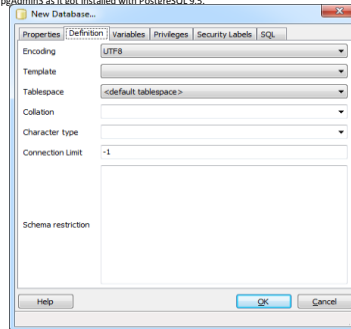
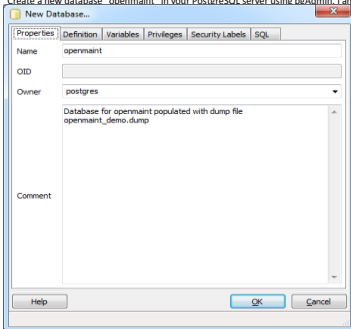
Base OS	Windows 7 Pro 64Bit
CPU	Intel Core i5-2500K
RAM	32 GB DDR3
Openmaint Files	openmaint-2.0-3.1.zip -> (Get openmaint-2.0-3.1.1.war from it)
Download Link	https://sourceforge.net/projects/openmaint/files/2.0/Con%20updates/openmaint-2.0-3.1.1/openmaint-2.0-3.1.zip/download
Postgres	v 9.5.19 postgresql-9.5.19-2-windows-x64.exe
Post GIS	v 2.5.1 postgis_2_5_pg95.exe (Downloaded from Stack Builder)
Tomcat	v 8.5.47 apache-tomcat-8.5.47-windows-x64.zip

Steps

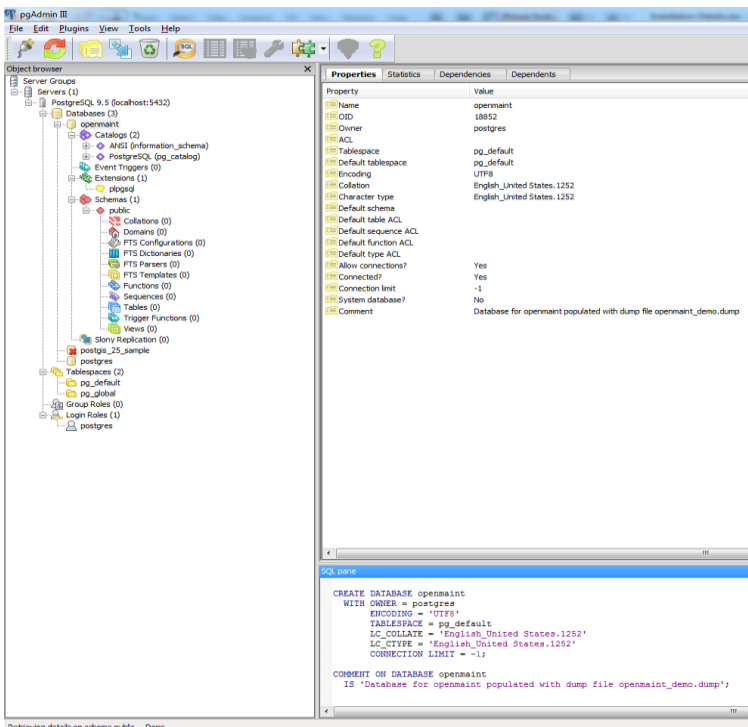
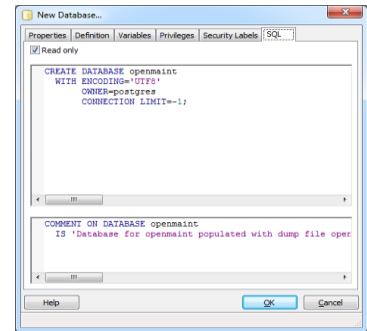
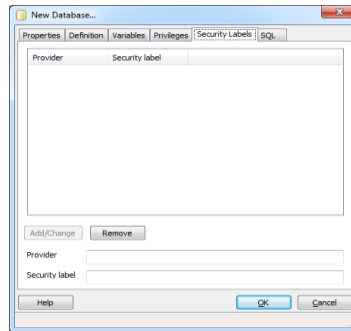
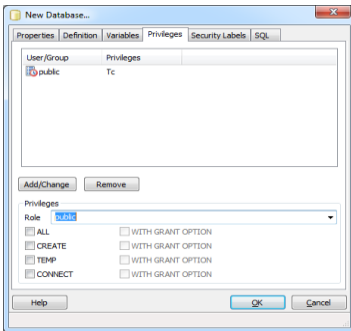
1. Install Postgres
2. Install Post GIS
 - Note: PostGIS gets installed at root installation directory of PostgreSQL
 - Deploy Openmaint
 - We will deploy it with dump having demo data
 - 3.1 Extract tomcat to a location. Rename the root tomcat directory to just "tomcat" to keep overall folder path short. We call root directory \$(catalina.base)
 - 3.2 From zip file "openmaint-2.0-3.1.zip", extract the war file "openmaint-2.0-3.1.1.war"
 - 3.3 Copy file "openmaint-2.0-3.1.1.war" into the Tomcat "webapps" directory, renaming it to "openmaint.war"
 - 3.4 Start Tomcat and after the war file is decompressed, stop tomcat
 - 3.5 Delete the "openmaint.war" file from webapps directory.
 - 3.6 Configure Openmaint database (recommended):
 - Note: If you plan to deploy only one Openmaint web application, then you can keep the "database.conf" file at \$(catalina.base)/conf/
 - If you plan to deploy multiple Openmaint web applications, then ideally each instance must connect to it's own database. In that case do not keep file at location \$(catalina.base)/conf/. In multiple instance scenario, you must let the "database.conf" file remain at location "\$(Openmaint Root)\WEB-INF\conf\" of respective Openmaint installations.
 - 3.5. To setup database configuration file at tomcat level, create a conf directory at \$(catalina.base)/conf/. Keep the directory name same as Openmaint web application context. I created a folder named "openmaint" inside "\$(catalina.base)/conf/". So the full path to my conf file is "\$(catalina.base)/conf/openmaint"
 - 3.5. Copy default sample config file from the extracted openmaint war file residing at path "\$(catalina.base)/webapps\$(Openmaint Root)\WEB-INF\conf\database.conf_example" to newly created folder location inside of "\$(catalina.base)/conf/openmaint"
 - 3.5. Rename the file to "database.conf"
- 3.6 Update this database conf file "WEB-INF\conf\database.conf" to add the database connectivity related details.

Original settings in file <pre> db.url=jdbc:postgresql://localhost:5432/cmdbuild_30 db.username=cmdbuild db.password=cmdbuild db.admin.username=postgres </pre>	Change it to -> <pre> db.url=jdbc:postgresql://localhost:5432/openmaint db.username=postgres db.password=password db.admin.username=postgres db.admin.password=password </pre>
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 - Note: Same "database.conf" file can be used in multi instance scenario and be kept at respective applications path "\$(Openmaint Root)\WEB-INF\conf\database.conf". You just need to change the parameter values according to the database to which that application instance would connect to.
- 3.7 Create a new database "openmaint" in your PostgreSQL server using pgAdmin3 as it not installed with PostgreSQL 9.5.



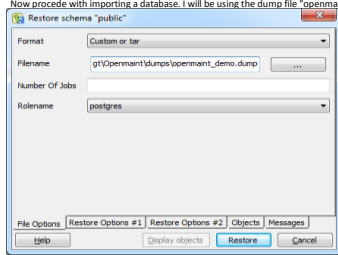
Database for openmaint populated with dump file openmaint_demo.dump



Retrieving details on schema public... Done.

- 3.8 Run following SQL commands. I will be running using default super user "postgres"
 3.8.1 Create a gis schema in this newly created database "openmaint" by running following query
Query `create schema gis;`
Output Query returned successfully with no result in 31 msec.
Query `create extension postgis schema gis;`
Output Query returned successfully with no result in 921 msec.

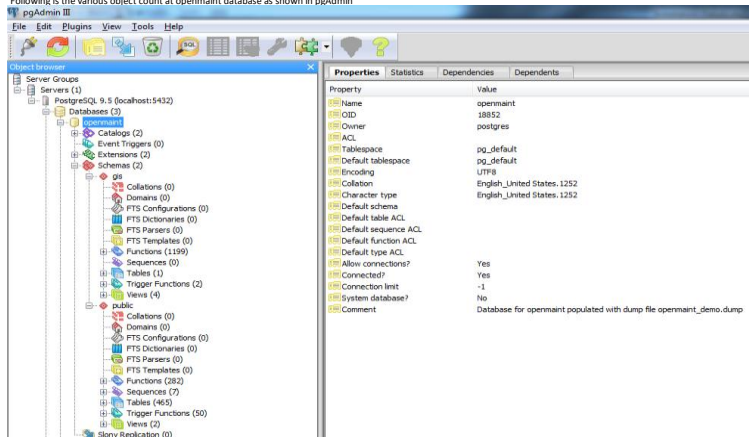
3.9 Now proceed with importing a database. I will be using the dump file "openmaint_demo.dump"



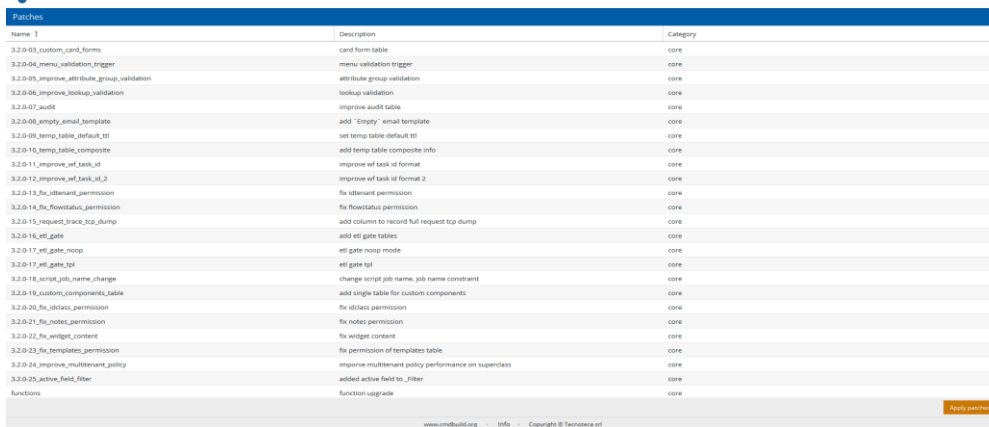
- 3.10 Following is the result of the import
 I get following result code
Process returned exit code 0.
 It seems everything gets imported without any error! I am surprised!



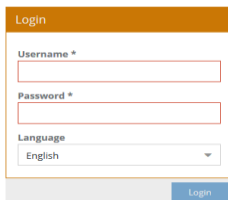
3.11 Following is the various object count at openmaint database as shown in pgAdmin



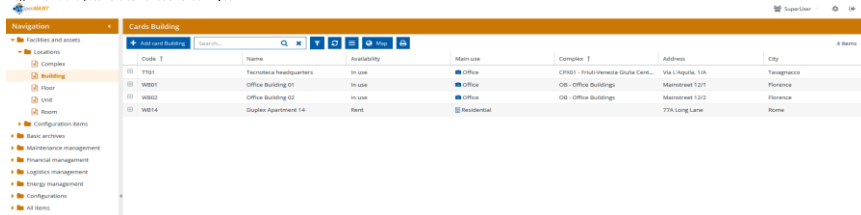
3.12 Go to web browser and open link: <http://localhost:8080/openmaint>. Note that, it may take some time to load below screen. You may have to refresh your database server from pgadmin or restart tomcat once also.



3.13 Click on button Apply Patches. Once all patches gets successfully applied, following login screen appears



3.14 Login with id and password combination of `admin/admin`



- 3.15 I am creating two more instances of Openmaint application with context name as "openmaintemptygis" and "openmaintempty".
 To do that I renamed openmaint war file with above two names and started tomcat to deploy them.
 Create database with same name and repeat steps as done previously to populate databases with dump files "openmaint_empty_gis.dump" and "openmaint_empty.dump".

3.16 Following is the result of the import



Database: openmaintemptygis
 I get following result code
WARNING: errors ignored on restore: 1063
Process returned exit code 1.
 It seems there were some errors, but as said in technical manual on page 15, these can be ignored.



Database: openmaintempty
 I get following result code
Process returned exit code 0.
 It seems went well in this import.

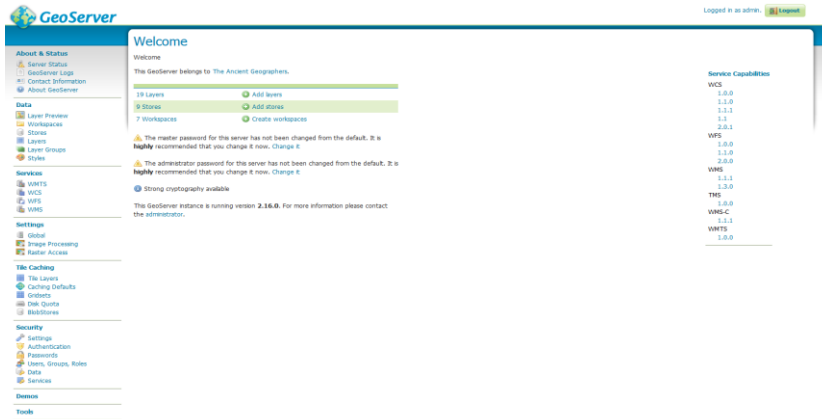


3.17 Now start tomcat to access each application with their respective databases using the respective context names as "openmaintemptygis" and "openmaintempty"

Issue Faced: When any card data is re-saved or opened, it gives error as below
 ERROR: relation "gis_Building_Position" does not exist
 To resolve it, I posted on forum and got a solution to run following query for respective databases
 ALTER DATABASE openmaint SET search_path = "Suser", public, gis;
 ALTER DATABASE openmaintempty SET search_path = "Suser", public, gis;
 ALTER DATABASE openmaintemptygis SET search_path = "Suser", public, gis;

3.18 We must install geoserver also. Refer page "11. GeoServer" in technical manual of cmdbuild
 Extract the war file "geoserver.war" from zip file "geoserver-2.16.0-war.zip" and copy it to Tomcat root \webapps folder
 Start tomcat to deploy the war file. Stop tomcat after it gets fully initialized and war file is extracted.

Remove war file
 Access GIS Server in browser
 URL: <http://localhost:8080/geoserver>
 Login: admin/geoserver



Create new workspace

