## <section-header><list-item><text>

## Premise: PostgreSQL user name='yokoi', password='yokoi' (This can create new database) database name='valley' owned by user 'yokoi' (This is connected to PostGIS)

























2.2 Adding columns to tables of PostgreSQL through PostGIS connection from QGIS





Connectio	n Information					
Name	Connect to valley					
Host	local host			Cancel		
Database	valley			Help		
Port	5432					
Username	yokoi					
assword	•••••					
Save P	assword	Test	: Connect			
Only lo	ok in the 'public' schema	Lauie				
Creat	e a New Post	tGIS conr	nection' dia	log opens		
Creat ype i	e a New Posi n: Name (of	tGIS conr	nection' dia	log opens	y' (arbitrary	<i>(</i> ),
only lo	e a New Posi n: Name (of Host	tGIS conr connectic	nection' dia on): 'conne : 'localho	log opens oct to valle ost' (fixed)	s. y' (arbitrary	<i>(</i> ),
Creat	e a New Posi n: Name (of Host DataBase	tGIS conr connectic	nection' dia on): 'conne : 'localho : 'valley'	log opens oct to valle ost' (fixed) (target da	y' (arbitrary	<i>'</i> ),
Creat	e a New Posi n: Name (of Host DataBase Port	tGIS conr	nection' dia on): 'conne : 'localho : 'valley' : '5432'	log opens oct to valle ost' (fixed) (target da (fixed).	y' (arbitrary , , atabase),	<i>'</i> ),
Creat	e a New Posi n: Name (of Host DataBase Port Username	tGIS conr	nection' dia on): 'conne : 'localho : 'valley' : '5432' : 'vokoi'	log opens oct to valle ost' (fixed) (target da (fixed), (Lese of l	y' (arbitrary , atabase),	<i>'</i> ),
creat	e a New Posi ok in the 'public' schema n: Name (of i Host DataBase Port Username Baseword	tGIS conr connectic	nection' dia on): 'conne : 'localho : 'valley' : '5432' : 'yokoi'	log opens oct to valle ost' (fixed) (target da (fixed), (User of I	y' (arbitrary , , atabase), PostgreSQI	′), _)

	Connection to valley was successful	✓ if succes	sfully connected.
Create Connectio Name Host Database Port Username Password Save Pa Save Pa	a New PostGIS connection Information Connect to valley Cocal host valley S432 yokoi servel ssword Test Connect k in the geometry_columns table k in the 'public' schema	OK       Cancel       Help	Then, click on 'OK'.

Connect to valley Connect New	▼ Edit Delete	
Tables:		
Type Name Public"."buildings" (the_geom)	Sql	<ul> <li>Then, three tables appear here.</li> </ul>
"public"."open_spaces" (the_geom "public"."roads" (the_geom)	)	
	[]	
Encoding:	System	
Encoding:	System - Add Close	
Encoding: Help	System  Add Close	

Connect	QL Connections		click on ' <mark>Add</mark> '.
C	onnect New	Edit Delete	
Туре	Name	Sql	
	'public"."buildings" (the_geom)		
5	public". "roads" (the_geom)		
Encoding:		System	
Help		Add Close	

Quantum GIS - 0.9.1-Ganymede ('G	ianymede')	
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Legend		Map View
1.00.4.09.1.00.4.09	Scale 1:4353	751 <b>X</b> Render

X			
Column Name	Data Type	Primary Key	Remarks
id1	Int4	0	Index of buildings
Bulding_Type	Int4		
Quality_Design	Int4		
Quality _Construction	Int4		
Quality_Materials	Int4		
Vulnerability_Rate	Int4		
Vulnerability_Type	Varchar(30)		
Damage_Grade	Int4		
the_geom	geometry		Geometry column



V Quantum GIS - 0.9.1-Ganymede ('Ganymede File View Layer Settings Plugins Help Eugend File X I roads	) *** * *** ***************************	Click on 'Open Table' butt	on
X			011.
		'Attribute Table' dialog ope	ens.
Q Attribute table -			
		Start editing Stop editing	
		Click on 'Start Editing' bu	tton.
Help Search for: in id1 •	Search select •	Advanced Close	

Attribute table	Start editing Stop editing
Help Search for: n id1 • Search select	Click on 'New Column' button.
Q     Add Attribute       Name:     building_type       Type:     int4       OK     Cancel	'Add Attribute' dialog opens. Type in Name 'building_type'. Select Type 'Int4'. Then, click on 'OK'.

id id1	building_type	Start editing	Stop editing	
	New column	'building_type' is a	dded in the table.	
Help Search for:	in id1 🔻 Search sele	ect 🔍 🗸 Advanced	Close	
Attribute table -				
		n coulo n un lun m	Sart eding Sop eding	
ia har li	unong_type [Cluarky_Desig]Cluar	ity_Const Guality_Maten Yuinerability_	r vunersonity_1 Damage_orac	
Help Search for:	n idt	• Search select	Advanced     Close	
anaat the acme	procedure for all (	other columns to be	addad	

Stop editing     Do you want to save the char     Save Discard	Then, save the changes by clicking on 'Save'.
Q Attribute table -	
id with building_type	Start edding Stop edding Quality_Desig Quality_Const Quality_Materi Vulnerability_F Vulnerability_T Darnage_Grad
	Then, click ' <mark>Close</mark> '.

Column Name	Data Type	Primary Key	Remarks
Gid	Int4	0	Index of roads
Road_Category	Int4		
Pavement	Int4		
Road_Name	Varchar(30)		
Note	text		
the_geom	geometry		Geometry column



			Remarks
Gid	Int4	0	Index of roads
Open_Space_Category	Int4		
Manager	text		
Owner	text		
Open_Space_Name	text		
Note	text		
the_geom	geometry		Geometry column



<pre>Command Prompt - psql valley -U yokoi public i spatial_ref_sys i table i yokoi (5 rous) valley=&gt; \d buildings Table "public.buildings" Column i integer i</pre>	Confirm the addition of the columns using '¥d buildings' command.
the geom 15 Willipype_lne_geom GRECK (srid(the_geom) = 4326) "enforce_srid_the_geom" CHECK (srid(the_geom) = 4326) "the second	Confirm the addition of the columns using '¥d roads' command.
<pre>pagement integer integer pagement integer varying(30) integer pagement character varying(30) integer varying(30) integer character varying(30) integer varying(30</pre>	

