**UPC WEBGIS**

**INSTALLATION MANUAL**

**VERSION 1.0**

**PT UPC RENEWABLES INDONESIA**

**2016**

**Install Geoserver**

**C:\Users\User-PC\gis>git push**

**Everything up-to-date**

**C:\Users\User-PC\gis>git app-deploy gis**

**git: 'app-deploy' is not a git command. See 'git --help'.**

**C:\Users\User-PC\gis>rhc app-deploy gis**

**RSA 1024 bit CA certificates are loaded due to old openssl compatibility**

**Deployment of git ref 'gis' in progress for application gis ...**

**Git ref gis is invalid**

**Error deploying git ref. You can try to deploy manually with:**

**ssh -t 5719662c7628e12b7b000105@gis-geographic.rhcloud.com 'gear deploy gis'**

**SSH command finished with exit status = 255**

**C:\Users\User-PC\gis>rhc account logout**

**Ending session on server ... RSA 1024 bit CA certificates are loaded due to old openssl compatibility**

**deleted**

**All local sessions removed.**

**C:\Users\User-PC\gis>rhc setup**

**OpenShift Client Tools (RHC) Setup Wizard**

**This wizard will help you upload your SSH keys, set your application namespace, and check that other**

**programs like Git are properly installed.**

**If you have your own OpenShift server, you can specify it now. Just hit enter to use the server for**

**OpenShift Online: openshift.redhat.com.**

**Enter the server hostname: |openshift.redhat.com|**

**You can add more servers later using 'rhc server'.**

**Using ryan.kharisma@outlook.com to login to openshift.redhat.com**

**RSA 1024 bit CA certificates are loaded due to old openssl compatibility**

**Password: \*\*\*\*\*\*\*\*\*\*\*\***

**OpenShift can create and store a token on disk which allows to you to access the server without using your**

**password. The key is stored in your home directory and should be kept secret. You can delete the key at**

**any time by running 'rhc logout'.**

**Generate a token now? (yes|no) yes**

**Generating an authorization token for this client ... lasts about 1 month**

**Saving configuration to C:\Users\User-PC\.openshift\express.conf ... done**

**No SSH keys were found. We will generate a pair of keys for you.**

**Created: C:/Users/User-PC/.ssh/id\_rsa.pub**

**Your public SSH key must be uploaded to the OpenShift server to access code. Upload now? (yes|no) yes**

**default (type: ssh-rsa)**

**-----------------------**

**Fingerprint: 17:b0:91:5b:3b:35:4c:30:8c:6d:21:f3:56:58:cd:be**

**You can enter a name for your key, or leave it blank to use the default name. Using the same name as an**

**existing key will overwrite the old key.**

**Provide a name for this key: |ryankharismaLeno| rklenovoyoga**

**Uploading key 'rklenovoyoga' ... done**

**Checking common problems**

**Your private SSH key file should be set as readable only to yourself. Please run 'chmod 600**

**C:\Users\User-PC\.ssh\id\_rsa'**

**An SSH connection could not be established to gis-geographic.rhcloud.com. Your SSH configuration may not be**

**correct, or the application may not be responding. getaddrinfo: No such host is known. (SocketError)**

**Checking for a domain ... geographic**

**Checking for applications ... found 3**

**gis http://gis-geographic.rhcloud.com/**

**gisserver http://gisserver-geographic.rhcloud.com/**

**upc http://upc-geographic.rhcloud.com/**

**You are using 3 of 3 total gears**

**The following gear sizes are available to you: small**

**Your client tools are now configured.**

**C:\Users\User-PC\gis>**

**Install PostgreSQL on Openshift cloud**

C:\Users\User-PC>rhc app create upc php-5.4 postgresql-9.2

RSA 1024 bit CA certificates are loaded due to old openssl compatibility

Application Options

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Domain: geographic

Cartridges: php-5.4, postgresql-9.2

Gear Size: default

Scaling: no

Creating application 'upc' ... done

PostgreSQL 9.2 database added. Please make note of these credentials:

Root User: adminclxgqcb

Root Password: qCxRkj7LSptv

Database Name: upc

Connection URL: postgresql://$OPENSHIFT\_POSTGRESQL\_DB\_HOST:$OPENSHIFT\_POSTGRESQL\_DB\_PORT

Waiting for your DNS name to be available ... done

Cloning into 'upc'...

The authenticity of host 'upc-geographic.rhcloud.com (54.172.120.7)' can't be established.

RSA key fingerprint is SHA256:FeJCkIUL7D41FMGNtM5NYM4XoboxZGYEqH0WcAmOX+I.

Are you sure you want to continue connecting (yes/no)? yes

Warning: Permanently added 'upc-geographic.rhcloud.com,54.172.120.7' (RSA) to the list of known hosts.

remote: Counting objects: 19, done.

remote: Compressing objects: 100% (15/15), done.

remote: Total 19 (delta 0), reused 19 (delta 0)

Receiving objects: 100% (19/19), 18.25 KiB | 0 bytes/s, done.

Checking connectivity... done.

Your application 'upc' is now available.

URL: http://upc-geographic.rhcloud.com/

SSH to: 570c6e1e89f5cfb28d0000f5@upc-geographic.rhcloud.com

Git remote: ssh://570c6e1e89f5cfb28d0000f5@upc-geographic.rhcloud.com/~/git/upc.git/

Cloned to: C:/Users/User-PC/upc

Run 'rhc show-app upc' for more details about your app.

C:\Users\User-PC>

**Check domain and then port forwarding to connect with postgre locally**

C:\Users\User-PC>rhc domain show

RSA 1024 bit CA certificates are loaded due to old openssl compatibility

Domain geographic (owned by ryan.kharisma@outlook.com)

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Created: Mar 29 1:51 PM

ID: 56fa25e70c1e66c1a000016c

Allowed Gear Sizes: small

geoserver @ http://geoserver-geographic.rhcloud.com/ (uuid: 56fa813f89f5cf7f04000103)

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Domain: geographic

Created: Mar 29 8:21 PM

Gears: 1 (defaults to small)

Git URL: ssh://56fa813f89f5cf7f04000103@geoserver-geographic.rhcloud.com/~/git/geoserver.git/

SSH: 56fa813f89f5cf7f04000103@geoserver-geographic.rhcloud.com

Deployment: auto (on git push)

jbossews-2.0 (Tomcat 7 (JBoss EWS 2.0))

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Gears: 1 small

upc @ http://upc-geographic.rhcloud.com/ (uuid: 570c6e1e89f5cfb28d0000f5)

-------------------------------------------------------------------------

Domain: geographic

Created: Apr 12 10:40 AM

Gears: 1 (defaults to small)

Git URL: ssh://570c6e1e89f5cfb28d0000f5@upc-geographic.rhcloud.com/~/git/upc.git/

SSH: 570c6e1e89f5cfb28d0000f5@upc-geographic.rhcloud.com

Deployment: auto (on git push)

php-5.4 (PHP 5.4)

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Gears: Located with postgresql-9.2

postgresql-9.2 (PostgreSQL 9.2)

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Gears: Located with php-5.4

Connection URL: postgresql://$OPENSHIFT\_POSTGRESQL\_DB\_HOST:$OPENSHIFT\_POSTGRESQL\_DB\_PORT

Database Name: upc

Password: qCxRkj7LSptv

Username: adminclxgqcb

You have 2 applications in your domain.

C:\Users\User-PC>rhc port-forward

You must specify an application with -a, or run this command from within Git directory cloned from OpenShift.

Usage: rhc port-forward <application>

Pass '--help' to see the full list of options

C:\Users\User-PC>rhc port-forward upc

RSA 1024 bit CA certificates are loaded due to old openssl compatibility

Checking available ports ... done

Forwarding ports ...

Permission denied - bind(2) while forwarding port 5432. Trying local port 5433

To connect to a service running on OpenShift, use the Local address

Service Local OpenShift

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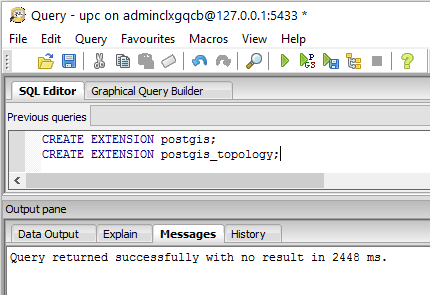
httpd 127.0.0.1:8080 => 127.5.240.1:8080

postgresql 127.0.0.1:5433 => 127.5.240.2:5432

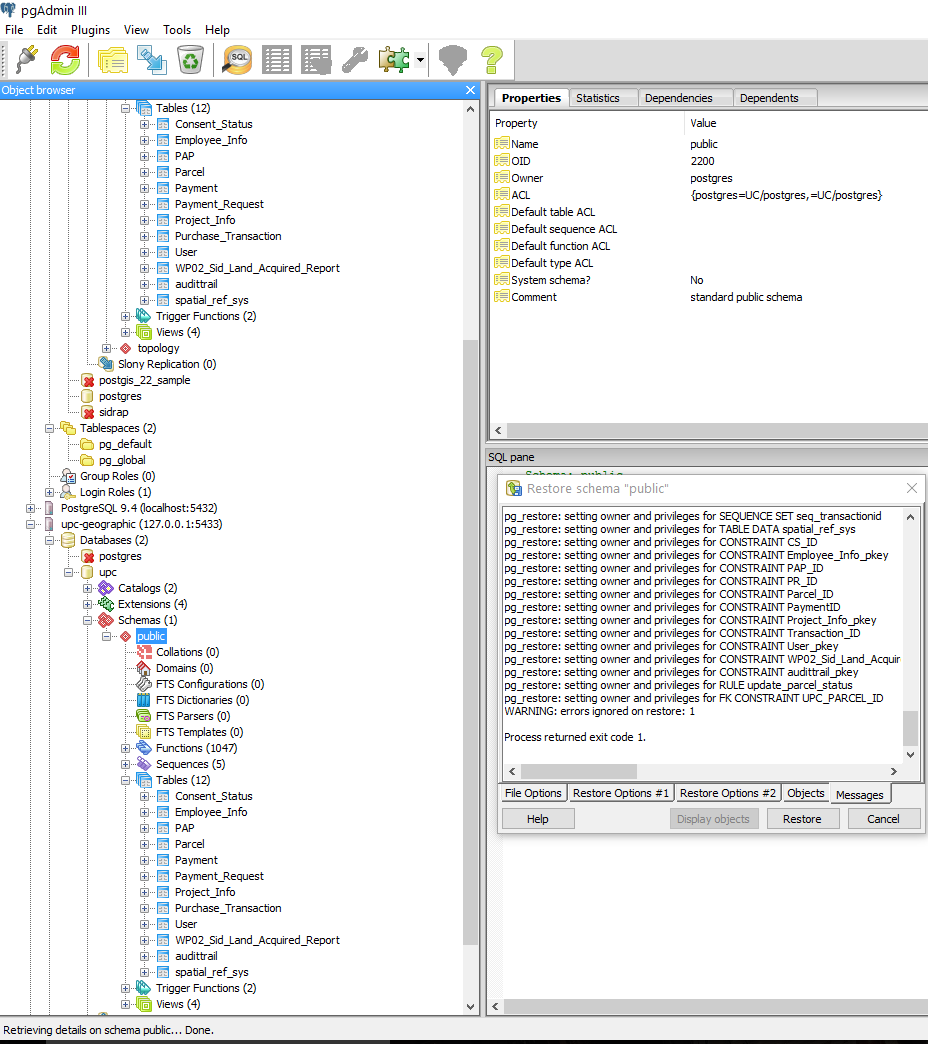
Press CTRL-C to terminate port forwarding

Add the postgis extensions to postgre

Type this command: “CREATE EXTENSION postgis;” and “CREATE EXTENSION postgis\_topology;”



Backup and Restore Database



Configure geoserver and populate the GIS Layer