Setting Up and Configuring the RinkWatch App

1. Configure PostgreSQL 9.2.x to function properly with ArcSDE geodatabases (move lib files to appropriate folders).
2. Open pgadmin and backup previous rinkwatch DB (“envcapture\_admin”). For “Format”, select “Plain”, and under the “Dump Options #2” tab, select “Use Column Inserts”, and “Use Insert Commands”.
3. Open the backup PostgreSQL file in a text editor. Be wary of size (>30 MB) when selecting your text editor (recommended: Sublime Text, or Notepad++). Add “sde” as the primary role where the “search\_path” is being set (i.e., SET search\_path = sde, public, pg\_catalog;). Search and replace all instances of:

* “envcapture\_admin” with “sde”
* “public.” with “sde.”
* “Schema: public” with “Schema: sde”
* “SCHEMA public” with “SCHEMA sde”

1. Open pgadmin and create the login role “sde” with all privileges except “inherit rights from parent roles”.
2. Create a new database “rw” with owner “sde”, and add the role “public” with ALL privileges.
3. Add a new schema to “rw” titled “sde” with owner “sde”, and add the role “public” with ALL privileges.
4. Open psql and connect to “rw” DB as user “sde”. Once connected, import the rinkwatch backup PostgreSQL file using the following command:

*\i C:/…/rinkwatch\_backup.sql*

Maintain that there are no errors while restoring the db.

1. Open ArcCatalog and connect to the new “rw” DB as user “sde”.
2. Use the “Enable Enterprise Geodatabase” tool on the “rw” DB. The authorization file can be found at “C:\Program Files\ESRI\License10.2\sysgen\keycodes”. Once the GDB has been enabled, Restart ArcCatalog.
3. Right-click the following tables (in the specified order), and select “Manage -> Register with Geodatabase…”:

* rw.sde.auth\_user
* rw.sde.rinkwatch\_reading
* rw.sde.rinkwatch\_rink

1. Use the “Add Field (Data Management)” tool to add the field “skateable” to the “rw.sde.rinkwatch\_reading” table. The field should be of type “LONG” with precision “10”.
2. Use the “Table to Table” Tool to create duplicate tables of all the tables listed above. Set all field to allow null values.
3. Right-click the “rw.sde.rinkwatch\_rink” table, and select “Create Feature Class -> From XY Table…”. Select longitude as x, and latitude as y, and specify the “Coordinate System of Input Coordinates” as “WGS 1984”. Lastly, select the output location as “rw” GDB connection, and the output file type as “database feature class”. Name the output feature class “rinkwatch\_rink\_xy”. Close ArcCatalog.
4. Open ArcMap. Select “Add Data…” and from you “rw” GDB, add “rw.rinkwatch\_rink\_sde”, “rw.sde.auth\_user”, and “rw.sde.rinkwatch\_reading”.
5. Publish the map as a service named “rw\_public” to your ArcGIS Server site, under the folder “rw” (create it if not already created). Make sure that “Mapping” and “Feature Access” are enabled (you can disable KML). Under properties, set the maximum number of records returned by the server to 100000. Under “Mapping”, allow per request modification of layer order and symbology. Under “Feature Access -> Operations Allowed”, only select “Query”. Analyze and publish the service.
6. Repeat the same steps as above but rename the service “rw”. Under “Feature Access -> Operations Allowed”, select “Create”, “Query”, and “Update”. Analyze and publish the service.
7. Configure registration services…
8. Configure JS app…