



User Administration Guide

Version 1.0

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Introduction

The Saskatchewan Geospatial Imagery Collaborative

The Saskatchewan Geospatial Imagery Collaborative (SGIC) is a partnership of organizations sharing knowledge and costs relating to acquisition and use of remotely sensed imagery for mutual and public benefit. The collaborative operates servers providing a web mapping client and an OGC-standard Web Map Service (WMS) for sharing geospatial imagery. Members of the public are welcome to use a limited set of the SGIC's geospatial imagery holdings, while SGIC members gain access to an expanded set of imagery products.

What This Manual Covers

This manual covers administration of member organizations and users using the SGIC web mapping client User Administration tool.

Additional Documentation

Additional documentation is available to SGIC members and covers the following topics:

- Basic User Guide;
- Downloading images through the SGIC Web Mapping Client; and,
- Administering data through the SGIC Web Mapping Client.

Chapter 1

Administering Organizations and Users

Introduction

In order to provide a secure solution for members-only access, the SGIC web site includes a database of member agencies and user credentials. The purpose of this database is to allow SGIC member agencies to administer their own user names. A user administration tool is provided in the secure member version of the web mapping client application to allow administrators to manage users.

In order to manage agencies and users, an administrator must have a PostgreSQL database role created for them and must be a member of the authdata role. The procedure for doing this is provided in document PRO-003.

Accessing the Users Tool

Click the User Administration tab in the stack panel. A single “Log In” button will be visible in the tool. Click it, and enter your PostgreSQL role name and password in the dialog. If your credentials are accepted, you will see the user administration tool interface shown in Figure 18. The tree control at the bottom of the tool can be expanded to show all users for any agency.

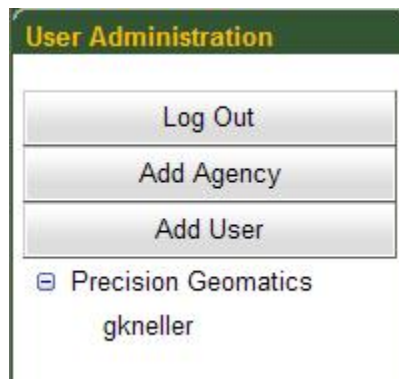


Figure 1. User Administration Tool

Adding an Agency

Click the “Add Agency” button to display the Add New Organization dialog shown in Figure 19. Enter the organization name and click the “Create” button to create it. The tree control in the User Administration tool will be updated to show your new organization.



Figure 2. Add New Organization Dialog

Updating an Agency

To update an agency name, click the agency in the tree control. An Update Organization dialog will appear. Make changes to the organization and click the “Update” button.

Adding a User

Click the “Add User” button to display the Add New User dialog shown in Figure 20.



Figure 3. Add New User Dialog

Enter a user name and password without spaces. The display name is the name that will be shown for the user in the tree control. Select the agency the user belongs to from the drop-down list. The expiry date is the date after which a user will no longer be able to access the system. When you have entered a value in all fields on the dialog, click the “Create User” button to add the user to the database.

Updating a User

To update user information, click the user name in the tree control. An Update User dialog will appear. Make changes to the user and click the “Update” button.

Removing User Access Permission

To remove permission for a user to access the system, update the user and change the expiry date so that the user's permission has expired.

Appendix A – Understanding Classes the SGIC Web Mapping Client Security Model

Introduction

The SGIC security model assigns users of the system to classes and gives them appropriate privileges based on their needs.

Classes of Users

There are five classes of users defined for the SGIC system. A single individual can be a member of any or all of the five classes:

1. Free Anonymous Public Access

Members of the public have access to a free version of the SGIC web mapping client with limited functionality and a free OGC Web Map Service. These users do not have any credentials on the system and cannot administer any data.

2. SGIC Members

SGIC members have access to a version of the SGIC web mapping client with advanced functionality, and an OGC Web Map Service that provides them with additional data. These users have credentials which are stored in the 'authdata' database on the system, but they cannot administer any data.

3. User Administrators

Some SGIC members are granted access to administer users for their member organization through the User Administration control in the web mapping client. These users have a PostgreSQL role created for them in the database, and are granted the 'authdata' role. The procedure for doing this is covered in PRO-003.

4. GIS Data Administrators

Some SGIC members are granted access to administer data for their member organization through the Data Administration control in the web mapping client. These users have a PostgreSQL role created for them in the database, and are granted the 'gisdata' role. The procedure for doing this is covered in PRO-003.

5. Server Administrators

Administrators from the Saskatchewan Research Council are able to administer the look and feel of the web site through a Linux command line interface. These users have a user account created for them in Linux, and have access to the root user account. The procedure for doing this is covered in PRO-003.

Summary of User Classes

A summary of the various user classes is shown in the following table:

User Class	User Interface	Credentials	Reference
Free Anonymous Public Access	Web Mapping Client, OGC WMS	None	Basic User Guide
SGIC Members	Web Mapping Client, OGC WMS	Row in authentication database	User Administration Guide
User Administrators	User Administration Control	PostgreSQL Role, granted authdata	PRO-003
GIS Data Administrators	Data Administration Control	PostgreSQL Role, granted gisdata	PRO-003
Server Administrators	Linux Command Line	Linux user account	PRO-003

Table 1. User Classes Summary