

Managing Security Settings

Servoy allows users to quickly set up user groups and enable multilevel security access to solutions. This chapter describes how to assign security settings at the solution, form, and table level.

In This Chapter

- [Solution-Level Security](#)
- [Setting Form and Form Element Security](#)
- [Setting Database Table Security](#)

Note: For information on creating user groups, visit the chapter on [Defining User and Group Security](#). Servoy also supports database security (enforced by the database) via the Servoy database server connection. For details, consult the documentation on your database server.

Solution-Level Security

Servoy allows developers to create login forms/solutions (see Working with Solutions) to allow authenticated access to an application or solution. Once the login solution is created, it can be added to a solution via the Properties view.

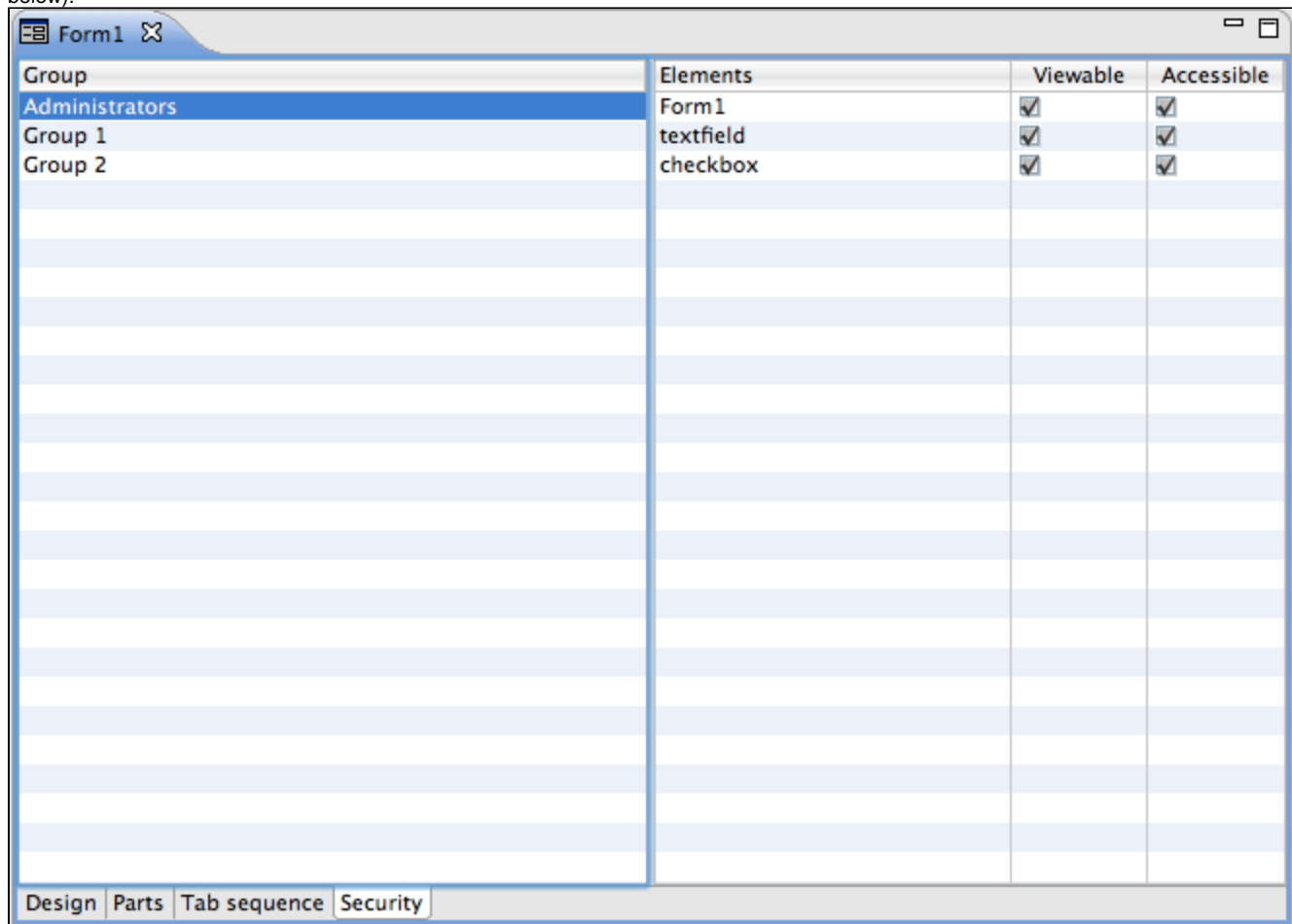
To add security features to a solution:

1. Activate the solution from the **All Solutions** node, if it is not currently active.
2. Select the currently active solution. The Properties view, normally on the right of the workbench, should show a filtered list relevant to the solution level. (If the Properties view is not visible, enable it using the menu item **Window > Show View > Properties**.)
3. Under the **Properties** node, specify the following information as applicable:
 - loginForm (use default unless you have a custom login dialog)
 - loginSolutionName (if a custom solution is used for login)
 - mustAuthenticate (must be selected to enforce login access)

Property	Value
▼ Events	
onClose	-none-
onDataBroadcast	-none-
onError	-none-
onOpen	-none-
▼ Properties	
firstForm	DEFAULT
i18nDataSource	-none-
loginForm	DEFAULT
loginSolutionName	-none-
modulesNames	testmodule2,Test,svyCore,servoy_sa
mustAuthenticate	<input checked="" type="checkbox"/>
solutionType	Normal
textOrientation	DEFAULT
titleText	Form NUMBER 1

Setting Form and Form Element Security

Security settings can be specified at the group level for an entire form or for selected form elements via the Form Editor Security subtab (see image below).



The screenshot shows the 'Security' subtab of the Form Editor. The window title is 'Form1'. The interface is divided into a left column for 'Group' and a right table for 'Elements'. The 'Group' column lists 'Administrators', 'Group 1', and 'Group 2'. The 'Elements' table lists 'Form1', 'textfield', and 'checkbox', each with 'Viewable' and 'Accessible' checkboxes checked.

Group	Elements	Viewable	Accessible
Administrators	Form1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Group 1	textfield	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Group 2	checkbox	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

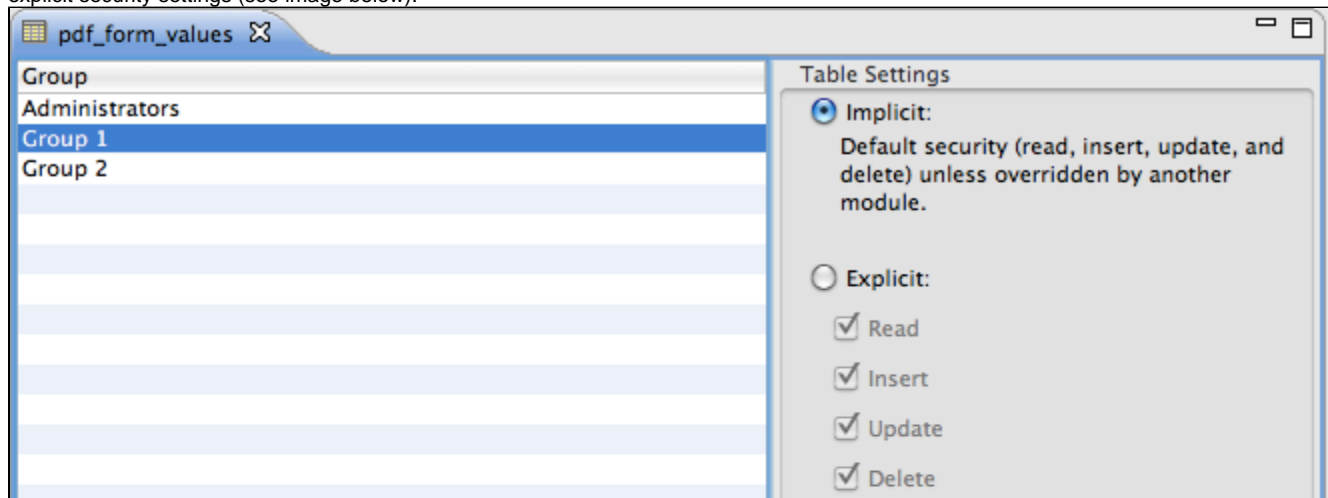
- The left column lists available user groups, and the right table lists the form itself as the first item, followed by the form elements.

Note: Elements must be named (i.e., the 'name' property must be specified) for them to be included in the table.

- To enable access to the entire form, select the user group and then click on the checkboxes to set the desired access level on the form.
- Form element access can be similarly set for each user group.

Setting Database Table Security

Servoy allows developers to easily set table-level security via the Security subtab of the Table Editor. Groups can be assigned either implicit or explicit security settings (see image below).



The screenshot shows the 'Table Settings' subtab of the Table Editor. The window title is 'pdf_form_values'. The interface is divided into a left column for 'Group' and a right panel for 'Table Settings'. The 'Group' column lists 'Administrators', 'Group 1', and 'Group 2'. The 'Table Settings' panel has two radio buttons: 'Implicit' (selected) and 'Explicit'. The 'Explicit' panel has four checkboxes: 'Read', 'Insert', 'Update', and 'Delete', all of which are checked.

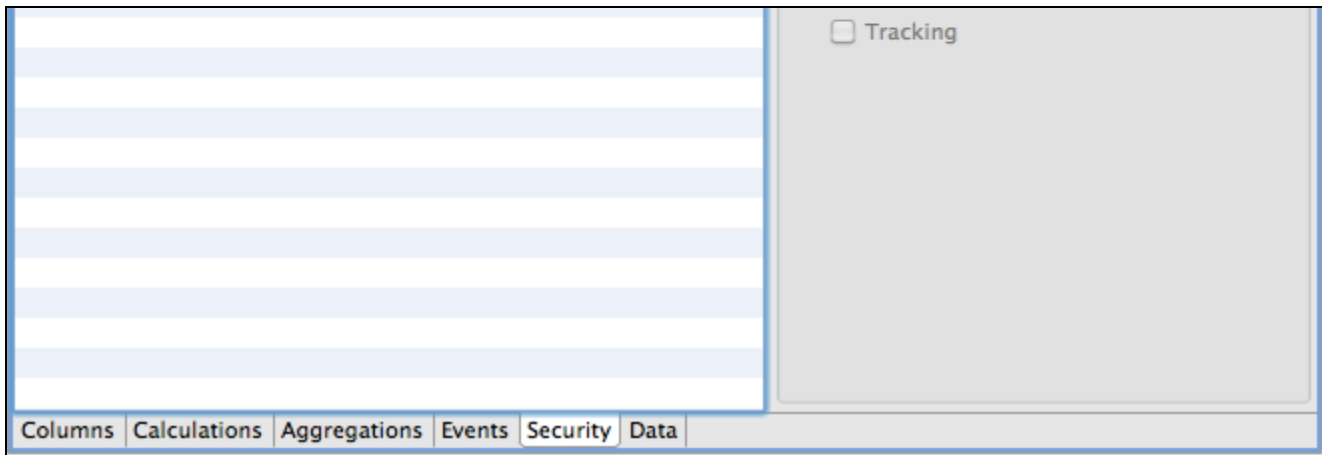
Group
Administrators
Group 1
Group 2

Table Settings

Implicit:
Default security (read, insert, update, and delete) unless overridden by another module.

Explicit:

- Read
- Insert
- Update
- Delete



To manage security settings for a database table:

1. In Solution Explorer, select the database from the **Database Servers** node. A list of tables will appear at the bottom area.
2. Double-click to open the desired table. It will open in the Table Editor view.
3. Select the **Security** subtab.
4. Select the group for which you would like to assign security settings.
5. Make your security selections.
6. Save your changes using **File > Save** or **CTRL-S** (*cmd-S*).

when deleting, check the 'Delete project contents on disk' checkbox