

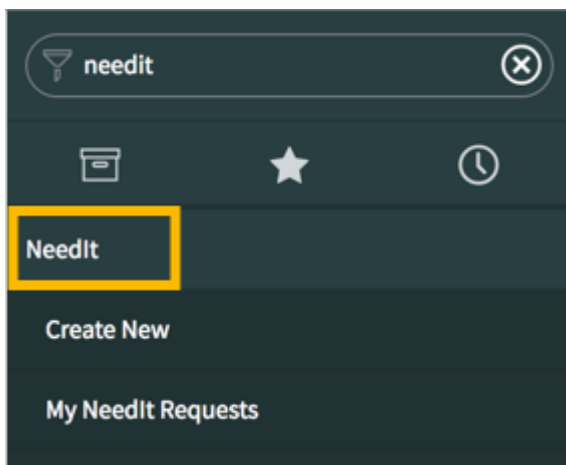
# ServiceNow Application Developer

## Securing Applications Against Unauthorized Users > Securing Applications and Modules

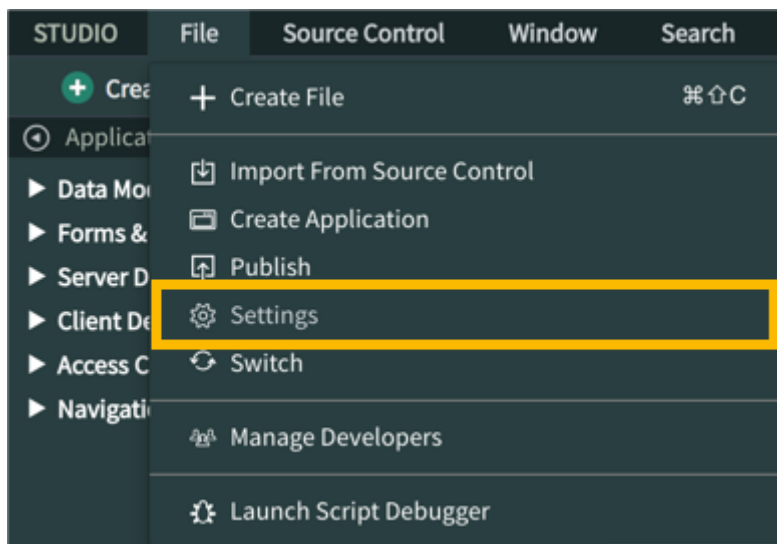
### Applications

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Access to an application in the Application Navigator is controlled by the Application's *User role*. It is not required to restrict application access if roles are applied to modules.



To add an application user role, open the application for editing in Studio. Open the **File** menu and select the **Settings** menu item.



Add a role to the *User role* field to limit application access to users with a particular role.

A screenshot of the 'Custom Application NeedIt' configuration form. The form contains various fields for application settings. The 'User role' field, which includes a search icon, is highlighted with a yellow rectangular box. Other visible fields include 'Name' (NeedIt), 'Version' (1.0.0), 'Scope' (x\_58872\_needit), 'Application administration' (checkbox), 'JavaScript Mode' (ES5 Standards Mode), 'Runtime Access Tracking' (Tracking), 'Restrict Table Choices' (checkbox), 'Licensable' (checked), 'Subscription requirement' (Monitor), 'Subscription Model' (Not applicable), 'Menu' (empty), and 'Short description' (empty).

Access to Applications can also be set at the Application Menu level. In the Application Explorer, open **Navigation > Application Menus > <application name>**. Open the application record and add one or more roles to the *Roles* field.

The screenshot shows the 'Application Menu' record form for 'NeedIt'. The 'Roles' field is highlighted with a yellow box and contains the role 'x\_58872\_needit\_needit\_user'. Other fields include Title, Application, Active, Category, Hint, and Description.

Field	Value
Title	NeedIt
Application	NeedIt
Active	<input checked="" type="checkbox"/>
Roles	x_58872_needit_needit_user
Category	Custom Applications
Hint	
Description	

**DEVELOPER TIP:** For users with no role to see modules, both the module and the application menu must have no role.

## Modules

Access to modules in the Application Navigator is controlled by roles. Set a module's Roles in the *Visibility* section.

Module  
All

Update
Delete

Title
All

Application
NeedIt

Application menu
NeedIt

Order
200

Hint
List of all NeedIt records in the database.

Display name
All

Visibility
Link Type

Roles
x\_58872\_needit\_needit\_user

Active
☒

Override application menu roles
☐

Use the *Override application menu roles* option to give module-level access to a role that is not authorized to see the application. For example, assume the *NeedIt* application menu requires the *admin* role and a module for the *NeedIt* application requires the *approver\_user* role. The application-level requirement supersedes the module-level requirement which means that users with the *approver\_user* role cannot see either the application or the module. If the *Override application menu roles* option is selected, users with the *approver\_user* role can see both the application and the module even though the user is not authorized by role to see the application.

## Tables

When creating tables in scoped applications, you must assign a role to the table. In the default case, only users with the table's role can create, read, update, and delete table records. Configure the *User role* in the *Controls* section of the table form. You can dynamically create a new role or assign an existing role.

Columns

Controls

Application Access

Extensible

☐

Live feed

☐

Prefix

NI

Number

2,000

Number of digits

6

\* Create access controls

☒

\* User role

x\_58872\_needit\_needit\_user

Q

A new record with this value will be created automatically