Login Types



TrakSYS

Defined and Managed within TrakSYS

Must Login with Username and Password

Can be used from any Browser/Device

Ideal for identifying Users on Shared Clients



Windows (Integrated)

Defined and Managed external to TrakSYS

Automatically passed via Brower based on Windows Login
Internet Explorer | Edge | Chrome on Windows Client
Ideal for personal Laptops / Desktops



Considerations

Shared Workstations on Plant Floor with Roaming Users
Shared Workstations with same/different Windows Account
Permissions by Location/Workstation
Use a Common Login and check/record User as Needed



Open Connect

Defined and Managed external to TrakSYS

Must Login with Username and Password

Redirected to Provider's Login Page

Ideal for non-Domain Devices



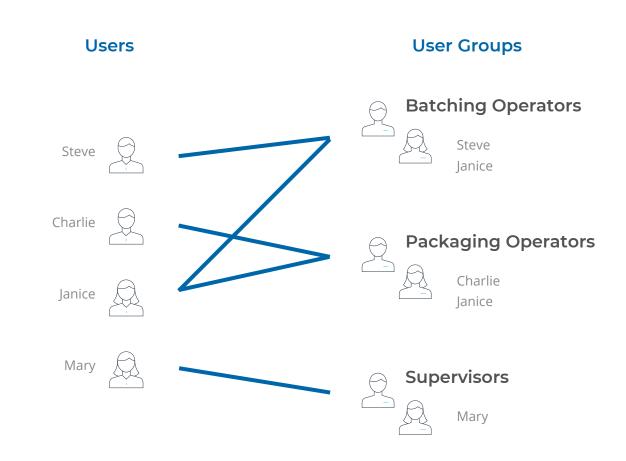
User Grouping



TrakSYS User Groups

The following point characterize the capabilities of TrakSYS User Groups...

- Any type of User (TrakSYS, Windows or Open Connect) can be added to a TrakSYS User Group.
- A single User can be a member of any number of Groups.
- Groups can be assigned to Roles to allocate Permissions (typically a better strategy than assigning users individually).
- Groups can be the target of Notifications.





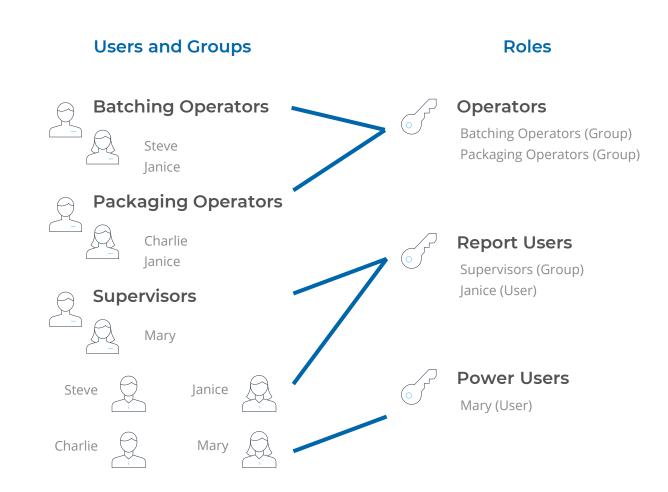
Roles



TrakSYS Roles

The following point characterize the capabilities of TrakSYS Roles...

- Roles contain one or more Permission assignments that indicate which pages and functions/operations are allowed.
- Individual Users can be assigned to a Role.
- User Groups can be assigned to a Role.
- Users and Groups can be assigned to more than one Role.





Page Permissions



Page Permissions

A Role can be associated with one or more Page Permissions which indicate how Users within the Role can access the user interface.

A Page Permission is made up of a URL and an Ability assignment as follows...

URL

A specific Page within the TrakSYS UI hierarchy.

Yes to All

Role Users can access the URL Page and its children.

Yes

Role Users can access the URL Page, but not its children.

No Access

Role Users cannot access the URL Page.

Desired Access



Page 0 (Section)



Page 1 (H1)



Page 2 (H1)



Page 3 (H2)



Page 4 (H2)



Page 5 (H3)



Page 6 (H3)



Operators (Role)

Batching Operators (Group)
Packaging Operators (Group)

Page Permissions

Page 0 | Yes

Page 2 | Yes to All

Page 5 | No Access

OR

Page 0 | Yes to All

Page 1 | No Access

Page 5 | No Access



Standard Permissions



Standard Permissions

A Role can be associated with one or more Standard Permissions which indicate hard coded privileges for Users within the Role.

TrakSYS Standard Permissions

	Allow
Administrator	
AdministratorService	
AdministratorServiceControl	
AdministratorUser	
AdministratorDiagnostics	
Translator	
Auditor	
AllowReservedUser	

TrakSYS Configuration and Data Permissions

	View	Create	Modify	Delete
AccessName				
AccessNameGroup				
AccessNameOleDb				
Access Name Ole DbP arameter	□ Create		dify	□ Delete
AccessNameHistorianState				
AccessNameState				
AuditUserActivity				
Batch				
BatchParameter				



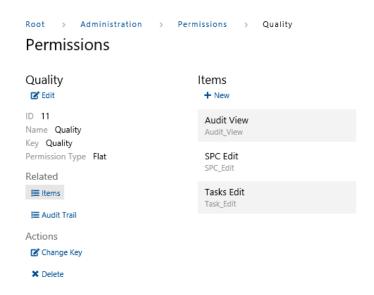
Custom Permissions



Custom Permissions

A Role can be associated with one or more Custom Permissions which indicate solution-specific privileges for Users within the Role.

Flat Permission Set Example







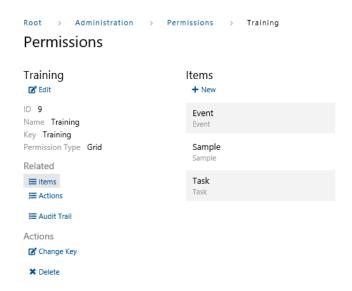
Custom Permissions

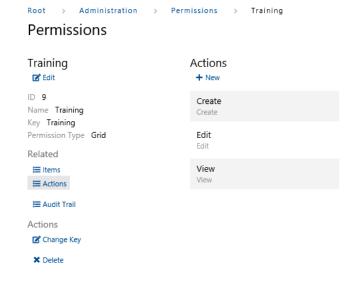


Custom Permissions

A Role can be associated with one or more Custom Permissions which indicate solution-specific privileges for Users within the Role.

Grid Permission Set Example









Checking Permissions from Script



Checking Permissions

Standard or Custom permissions can be verified programmatically (within TS Web) by calling the following API method...

Has Permission

this.Ets.HasPermission(string set, string item, [string action]);

Permission Set Key
OR from ETS.Core.Api.PermissionKeys...

- EntitySet
- EtsSet

Item Key

OR...
• Area

- System
- Event
- Etc...

OR from ETS.Core.Api.PermissionKeys...

- ItemIsAdmin
- ItemIsAdminService
- ItemIsAdminServiceControl
- ItemIsAdminUser
- ItemIsAdminDiagnostics
- ItemIsTranslator
- ItemIsAuditor
- ItemAllowReservedUser

Action Key

OR from ETS.Core.Api.PermissionKeys...

- EntityActionView
- EntityActionCreate
- EntityActionModify
- EntityActionDelete

