

Understanding Combined Table and Field Access with Multiple Roles

A user belonging to multiple user roles has access to the **most permissive** combination of table and field rights.

Table 1 details how table access rights are combined for a user belonging to two roles with table-level security only. A field will either be editable (ED) or read-only (RO), depending on the interaction of the roles.

Table 1. Combined Access for Two Roles with Table Security Only

		Role 2							
Table-Level		Full	View	Add	Update	Delete	Update + Delete	Add + Delete	Add + Update
R o l e 1	Full	ED	ED	ED	ED	ED	ED	ED	ED
	View	ED	RO	RO	ED	RO	ED	RO	ED
	Add	ED	RO	RO	ED	RO	ED	RO	ED
	Update	ED	ED	ED	ED	ED	ED	ED	ED
	Delete	ED	RO	RO	ED	RO	ED	RO	ED
	Update + Delete	ED	ED	ED	ED	ED	ED	ED	ED
	Add + Delete	ED	RO	RO	ED	RO	ED	RO	ED
	Add + Update	ED	ED	ED	ED	ED	ED	ED	ED

Table 2 details how table and field access rights are combined for a user belonging to two roles when Role 1 uses both table- and field-level security and Role 2 uses table-level security only. A field will either be editable (ED) or read-only (RO), depending on the interaction of the roles.

Table 2. Combined Access for Two Roles with Table and Field Security

	Table Access	Field Access	Role 2 – Table Access Only							
			Full	View	Add	Update	Delete	Update + Delete	Add + Delete	Add + Update
Role 1	Full	Full	ED	ED	ED	ED	ED	ED	ED	ED
		View	ED	ED	ED	ED	ED	ED	ED	ED
		Hidden	ED	ED	ED	ED	ED	ED	ED	ED
	View	Full	ED	RO	RO	ED	RO	ED	RO	ED
		View	ED	RO	RO	ED	RO	ED	RO	ED
		Hidden	ED	RO	RO	ED	RO	ED	RO	ED
	Add	Full	ED	RO	RO	ED	RO	ED	RO	ED
		View	ED	RO	RO	ED	RO	ED	RO	ED
		Hidden	ED	RO	RO	ED	RO	ED	RO	ED
	Update	Full	ED	ED	ED	ED	ED	ED	ED	ED
		View	ED	ED	ED	ED	ED	ED	ED	ED
		Hidden	ED	ED	ED	ED	ED	ED	ED	ED
	Delete	Full	ED	RO	RO	ED	RO	ED	RO	ED
		View	ED	RO	RO	ED	RO	ED	RO	ED
		Hidden	ED	RO	RO	ED	RO	ED	RO	ED
	Update + Delete	Full	ED	ED	ED	ED	ED	ED	ED	ED
		View	ED	ED	ED	ED	ED	ED	ED	ED
		Hidden	ED	ED	ED	ED	ED	ED	ED	ED
	Add + Delete	Full	ED	RO	RO	ED	RO	ED	RO	ED
		View	ED	RO	RO	ED	RO	ED	RO	ED
		Hidden	ED	RO	RO	ED	RO	ED	RO	ED
	Add + Update	Full	ED	ED	ED	ED	ED	ED	ED	ED
		View	ED	ED	ED	ED	ED	ED	ED	ED
		Hidden	ED	ED	ED	ED	ED	ED	ED	ED