

ServiceNow Application Developer

Securing Applications Against Unauthorized Users > Access Controls Evaluation Order

Access Controls do not stand alone; they are part of list known as an Access Control List (ACL). An ACL is an ordered list of all Access Controls that apply in a particular circumstance.

Recall that the *NeedIt* table extends the *Task* table.

* Label	NeedIt
* Name	x_58872_needit_needit
Extends table	Task

Due to inheritance, the *Task* table Access Controls can potentially grant or deny access to *NeedIt* table records if no Access Controls specific to the *NeedIt* table exist. If no Access Control exists on the table, the parent table Access Controls are searched.

When deciding whether to grant or deny access, the ACL is searched from the most specific to the most generic match. For example, when determining whether to grant access to the *NeedIt* table *Short description* field, the search order is:

1. Match the table and field name: *x_58872_needit_needit.short_description*
2. Match the parent table and field name: *task.short_description*
3. Match any table with the field name: **.short_description*
4. Match the table and any field (wildcard): *x_58872_needit_needit.**
5. Match the parent table and any field (wildcard): *task.**
6. Match any table (wildcard) and any field (wildcard): **.**

Access Control Configuration Watcher

When Access Controls are submitted or updated The Access Control Configuration Watcher runs to determine if there are other Access Controls acting on the same set of records. The Access Control Configuration Watcher displays a list known as the execution plan. The results are indicated by:

- **Red text:** An Access Control that was activated or deactivated.
- **Blue text:** An Access Control that was modified.
- **Green text:** An Access Control that is added or has become active.
- **Masked:** An Access Control that was effective until you made a change.
- **Unmasked:** An Access Control that was made effective when you made a change.

The Access Control Configuration Watcher also indicates whether the Access Control affects table rows or fields.

Verify Security Rules for "x_58872_needit_needit.short_description" ✕

Write

Row level	x_58872_needit_needit	
Field level	x_58872_needit_needit.short_description	Adding
	task.short_description	Masking

[Show All](#)

Cancel

Continue

Select the **Show All** link to see the complete ACL and not just the Access Controls impacted by the change.