

Keeping the sys_number_counter in sync between instances

Some ServiceNow records are easier to refer to if you add some kind of [identifier or number](#), such as user groups (**sys_user_group**).

However, what happens if you have multiple instances where groups are being created, and you'd like to ensure that all user groups, no matter which instance they are created on, have unique sequential numbers/identifiers?

It's as simple as creating a dynamic share for that table. However, the catch comes when you realize that, even after the **sys_number_counter** table is updated with the new group's number, business rules aren't triggered and thus the other instances aren't receiving the updated numbers and may end up creating different groups with the same number.

Here is where the dynamic share's [after share script](#) comes in handy. You can use that script section to define any activities that you want to take place after a dynamic share has completed, such as sharing the new number record in the **sys_number_counter** table.

Prerequisites

[blocked URL](#) First, you will need to [create a dynamic share](#) for the specific table (such as **sys_user_group**) you want to keep numbering in sync.

Procedure

To replicate the **sys_number_counter** table and keep in sync numbering for a specific table, follow these steps:

1

First, create a [dynamic share](#) for the **sys_number_counter** table that has a filter condition on the table you want to keep sequential numbering such as **sys_user_group**. Note the **sys_id** of this dynamic share you create.

2

In the dynamic share for the table itself you are syncing (i.e. the dynamic share of the **sys_user_group** table), go to the [after share script](#) and add the following script:

```
var dynShareSysId = 'STEP_1_DYNAMIC_SHARE_SYS_ID';
// only inserts will increment counter
if (psp_action == 'insert') {
    var ngr = new GlideRecord('sys_number_counter');
    ngr.addQuery('table', 'sys_user_group');
    ngr.query();
    if (ngr.next()) {
        var pspR = new PerspectiumReplicator();
        pspR.shareRecord(ngr, ngr.getTableName(), 'bulk', dynShareSysId);
    }
}
```

where **STEP_1_DYNAMIC_SHARE_SYS_ID** is replaced with the **sys_id** of the dynamic share created in the previous step.

For more information, contact [Perspectium Support](#).

Similar topics

- [Create a ServiceNow dynamic share](#)
- [Configure business rule timing and order](#)
- [Share only updated fields](#)
- [Share only selected fields](#)
- [Create a ServiceNow dynamic share](#)

Contact Perspectium Support



US: 1 888 620 8880

UK: 44 208 068 5953

support@perspectium.com