# Prevent User Deletion if Assigned to an Incident

Category: ServiceNow Application Developer

#### **Skills Required:**

Script, Business Rules, Glide Records and APIs, User and Group Management

#### **Problem Statement:**

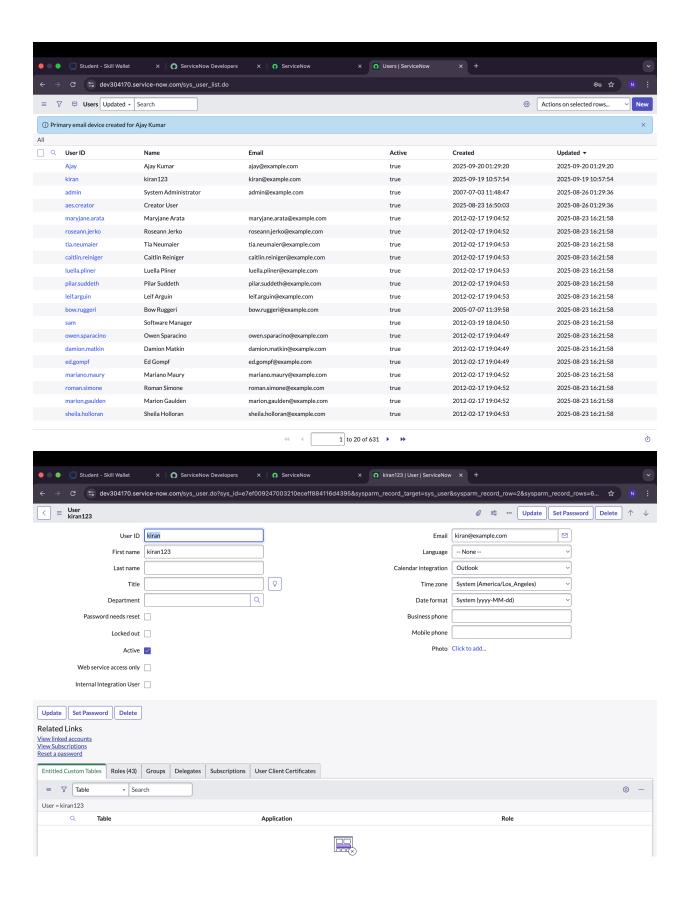
In an IT Service Management environment, users are frequently assigned to incidents for issue resolution and tracking. However, the current system lacks a validation mechanism to prevent the deletion of a user who is still actively assigned to incidents. This can lead to broken data references, loss of accountability, and disruption in workflow continuity.

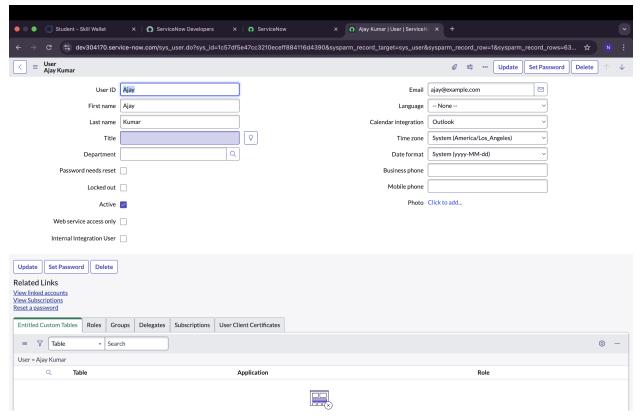
There is a need to implement a safeguard that prevents such deletions unless all assigned incidents are closed or reassigned.

#### **User Creation**

#### **Create Test Users**

- 1. Go to ServiceNow >> All >> Users (under System Security)
- 2. Click on New
- 3. Create two users (e.g., kiran123,ajaykumar)
- 4. Submit and verify user records.

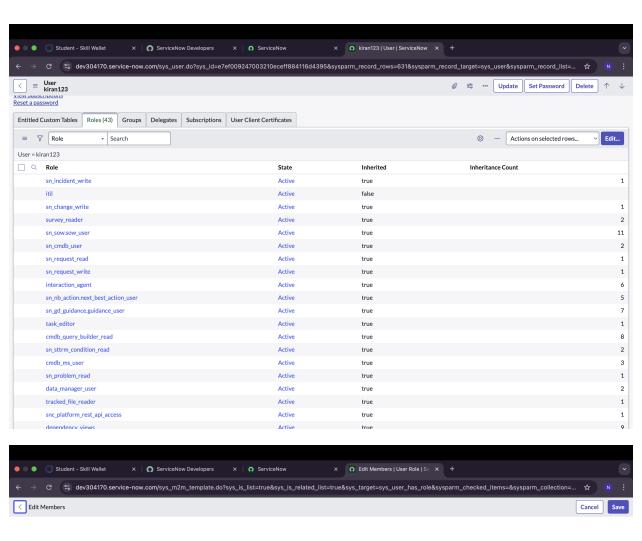


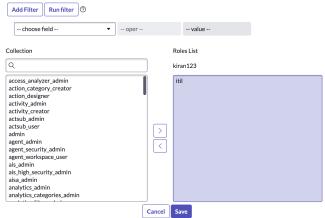


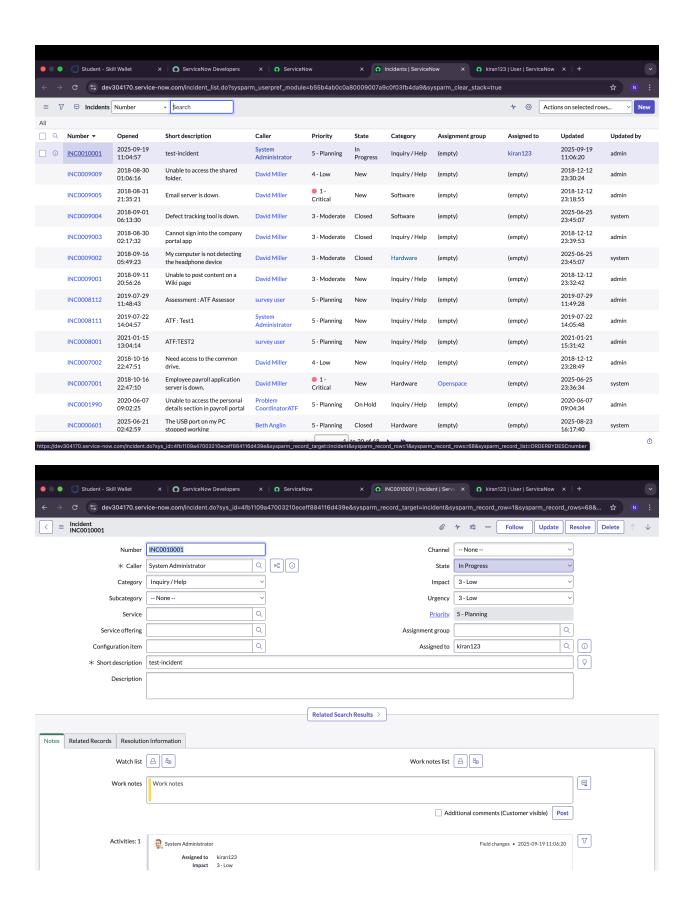
## **Assign Incident to User Assign Incidents**

- 1. Navigate to the Incident table.
- 2. Create a new incident and assign it to one of the created users (e.g., kiran123)
- 3. Keep the incident Active = true and State = In Progress

**Note:** To assign any user the user should have at least one role so assigned a role to the user before assigning incident.



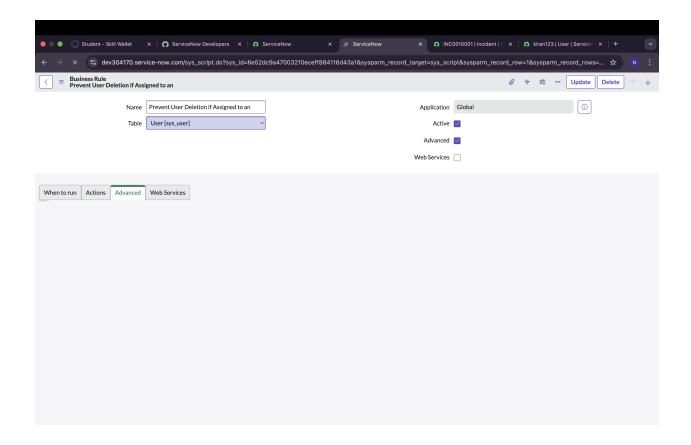


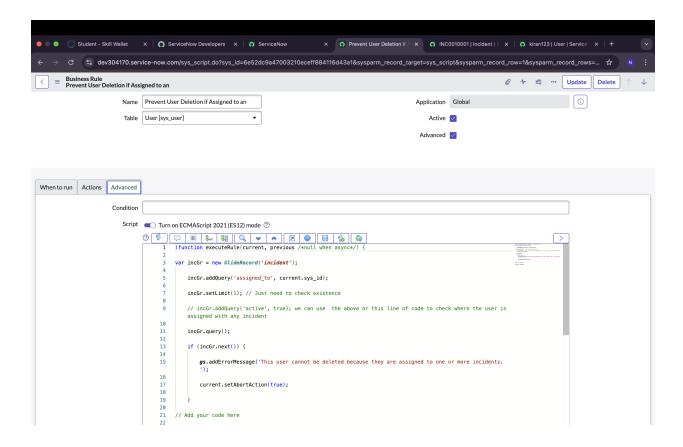


#### **Create Business Rule**

```
1. Go to System Definition? Business Rules
   2. Click on New
   3. Fill in:
   4. Name: Prevent User Deletion if Assigned to an Incident
   5. Table: sys user
   6. When: Before
   7. Delete: Checked
   8. Script:
(function executeRule(current, previous /*null when async*/) {
var incGr = new GlideRecord('incident');
  incGr.addQuery('assigned_to', current.sys_id);
  incGr.setLimit(1); // Just need to check existence
  // incGr.addQuery('active', true); we can use the above or this line of code to
check where the user is assigned with any incident
  incGr.query();
  if (incGr.next()) {
    gs.addErrorMessage('This user cannot be deleted because they are assigned
to one or more incidents.');
    current.setAbortAction(true);
  }
// Add your code here
```

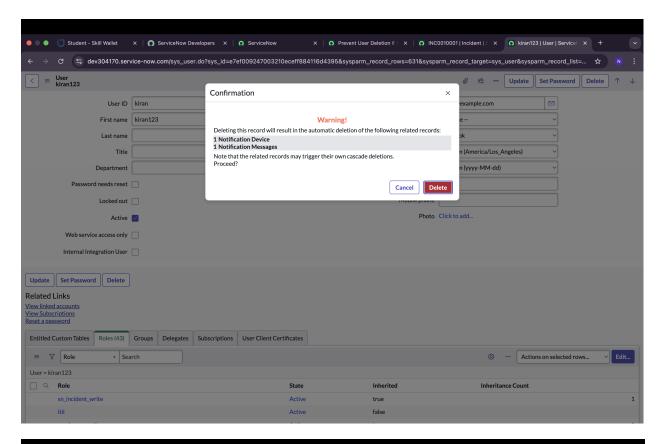
## })(current, previous);

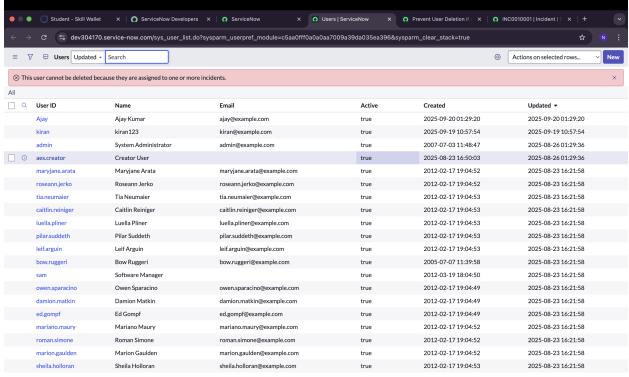




## **Attempt to Delete Assigned User**

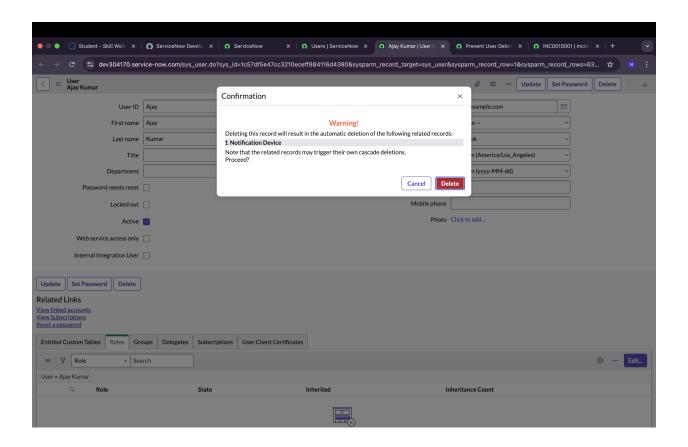
- 1. Go to the user record (kiran123)
- 2. Click Delete
- 3. Verify that deletion is blocked with an error message

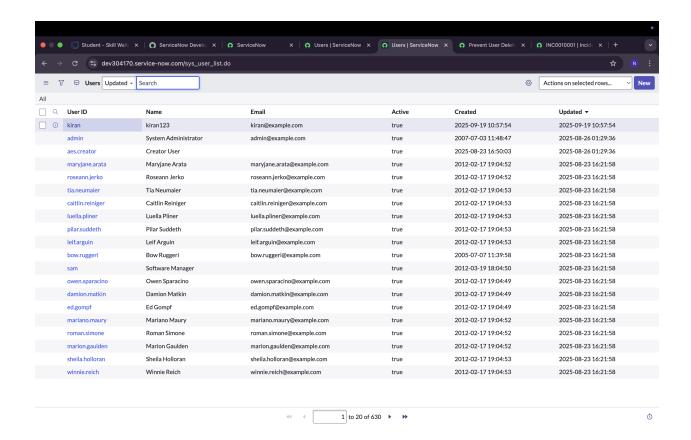




## **Attempt to Delete Unused User**

- 1. Try deleting the second user (Ajaykumar) who is not assigned to any active incidents.
- 2. Deletion should succeed.





## **Conclusion**

This project provides a safeguard mechanism against accidental or improper deletion of users who are still involved in active incidents. By using a Business Rule on the sys\_user table, ServiceNow administrators can ensure that incident ownership and workflow integrity remain intact. This solution upholds data consistency and promotes operational continuity within IT service processes.