# **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:**

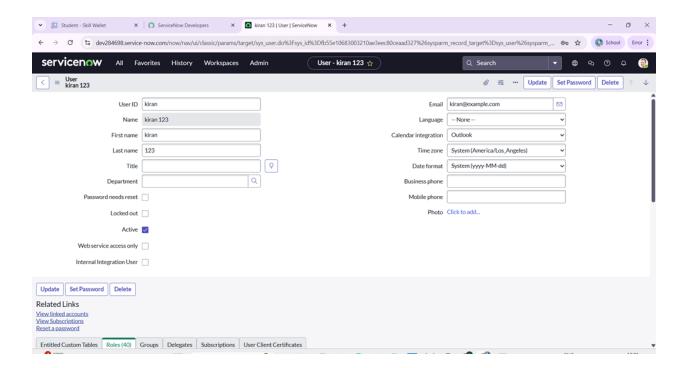
In an IT Service Management environment, users are frequently assigned to incidents for issue resolution and tracking. However, the current system lacks a validation mechanism to prevent the deletion of a user who is still actively assigned to incidents. This can lead to broken data references, loss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

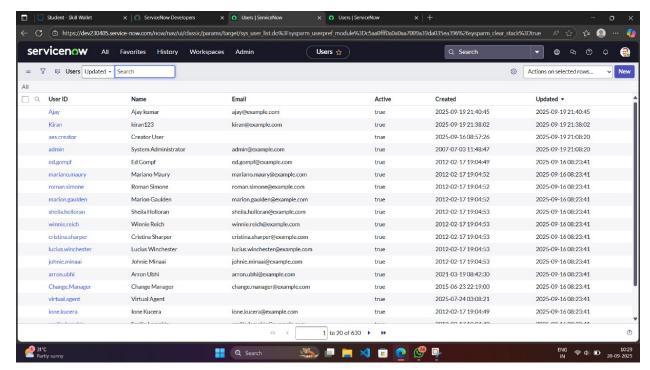
There is a need to implement a safeguard that prevents such deletions unless all assigned incidents are closed or reassigned.

### **User Creation**

## **Create Test Users**

- 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.



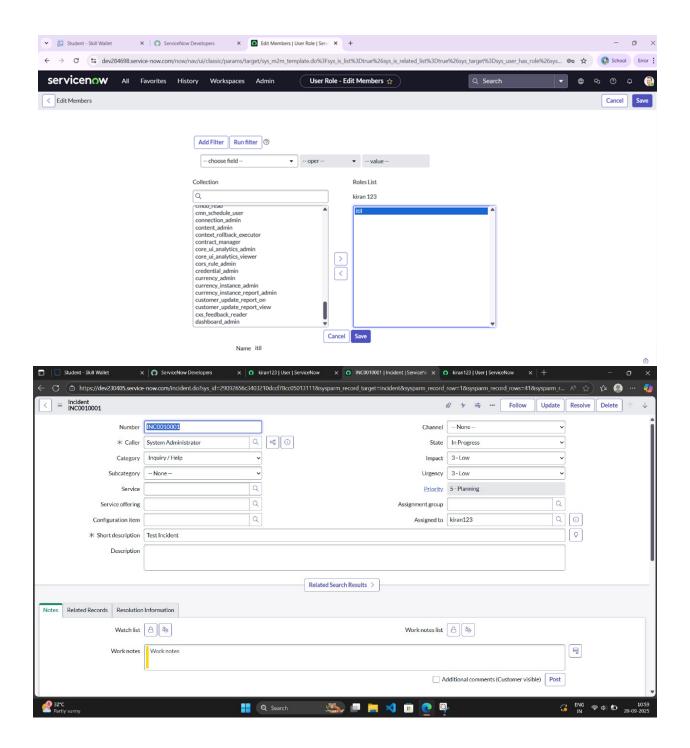


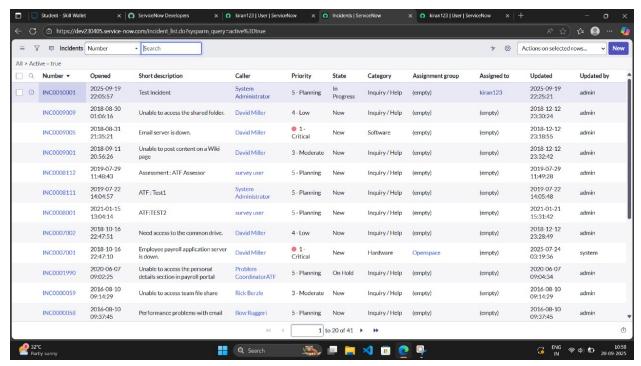
# **Assign Incident to User**

# **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) 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





### **Business Rule Creation Create**

### **Business Rule**

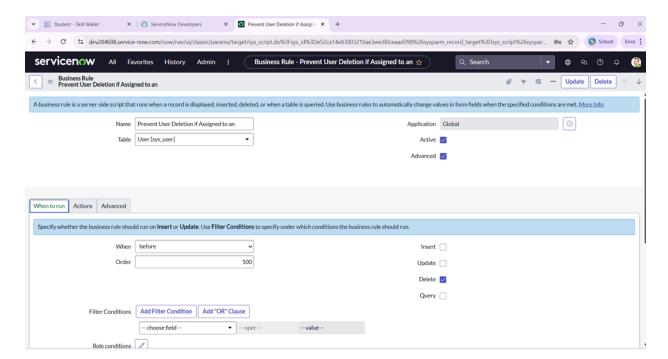
- 1. Go to System Definition >> Business Rules
- 2. Click on New
- 3. Fill in:
- 4. Name: Prevent User Deletion if Assigned to an Incident
- 5. Table: sys\_user6. When: Before7. Delete: Checked
- 8. Script: // Add your code here 9. Click submit.

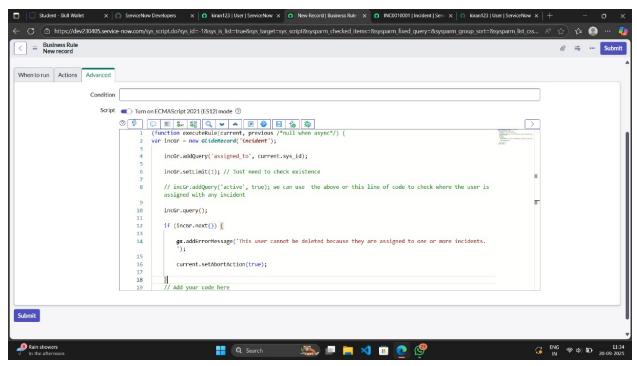
#### **SCRIPT:**

```
/// (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

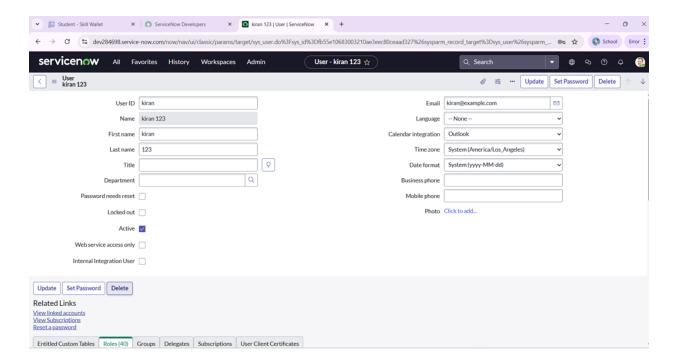
})(current, previous);

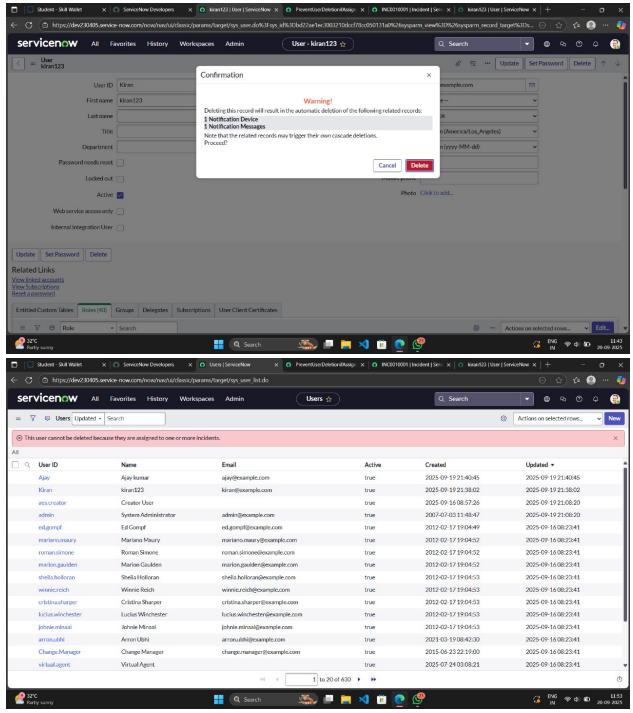




# **Test Deletion Attempt to Delete Assigned User**

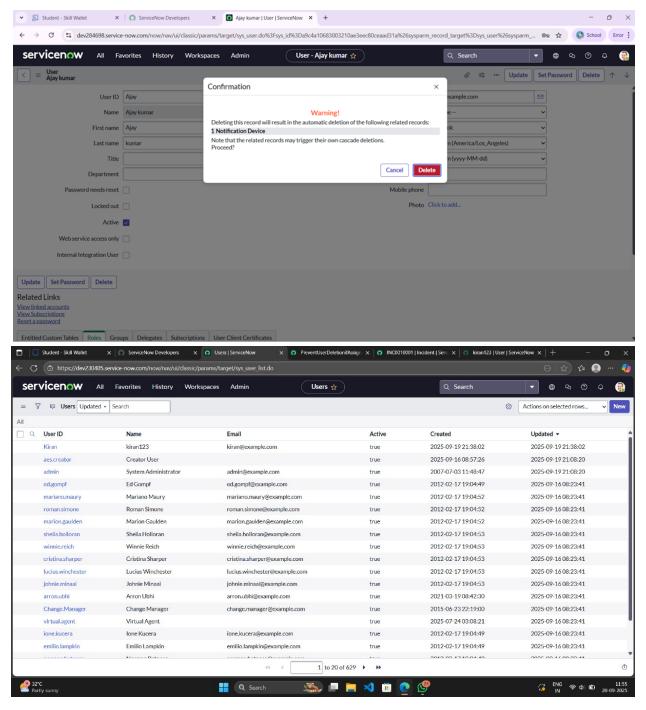
- 1. Go to the user record (kiran123)
- 2. Click Delete
- 3. Verify that deletion is blocked with an error message





Test With Unassigned User Attempt to Delete Unused User

- 1. Try deleting the second user (Ajay kumar) who is not assigned to any active incidents.
- 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.