# **Streamlining Ticket** Assignment for Efficient **Support Operations**

Team Id: NM2025TMID13986

**Team Members** 4

Team Leader : J Saiprakash
Team Member 1 : M Yogesh
Team Member 2 : K Jude Samuel

Team Member 3 : V Kamalesan

## **Problem Statement:**

ABC Corporation currently experiences delays in resolving support tickets due to manual assignment processes. Tickets are often routed incorrectly or take longer to reach the appropriate teams, leading to inefficient use of resources and reduced customer satisfaction. This creates a need for an automated system that can assign tickets accurately and efficiently.

# **Objective:**

The objective of this initiative is to implement an automated system for ticket routing at ABC Corporation, aimed at improving operational efficiency by accurately assigning support tickets to the appropriate teams. This solution aims to reduce delays in issue resolution, enhance customer satisfaction, and optimize resource utilization within the support department.

## **Skills:**

Tensorflow, Spring

# TASK INITIATION

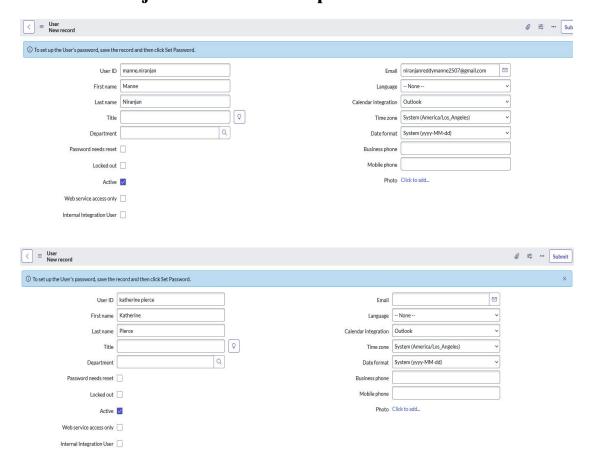
Milestone 1: Users

Activity 1: Create Users

#### **Steps:**

- 1) Open ServiceNow and log in.
- 2) Navigate to All  $\rightarrow$  System Security  $\rightarrow$  Users.
- 3) Click New to create a user.
- 4) Fill in the required details for the first user.
- 5) Click **Submit** to save the user account.
- 6) Repeat steps 3–5 to create a second user with the specified details

Using the steps above, two users were successfully created: Manne Niranjan and Katherine pierce.



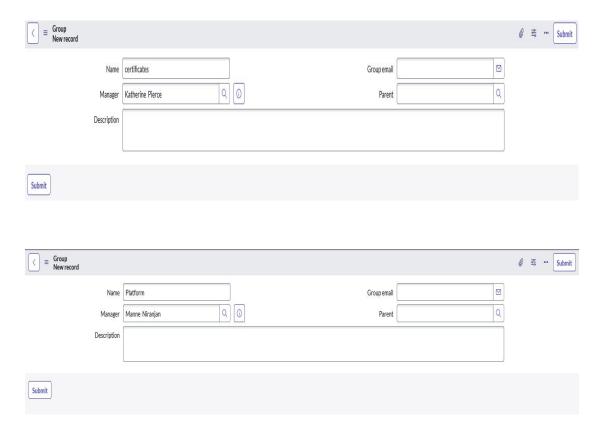
### **Milestone 2 :** Groups

#### **Activity 1**: Create Groups

## **Steps:**

- 1) Open ServiceNow and log in.
- 2) Navigate to All  $\rightarrow$  System Security  $\rightarrow$  Groups.
- 3) Click **New** to create a group.
- 4) Fill in the required details for the first group.
- 5) Click **Submit** to save the group.
- 6) Repeat steps 3–5 to create a second group with the specified details.

Using the steps above, two groups were successfully created: **platform** and **Certificates** 



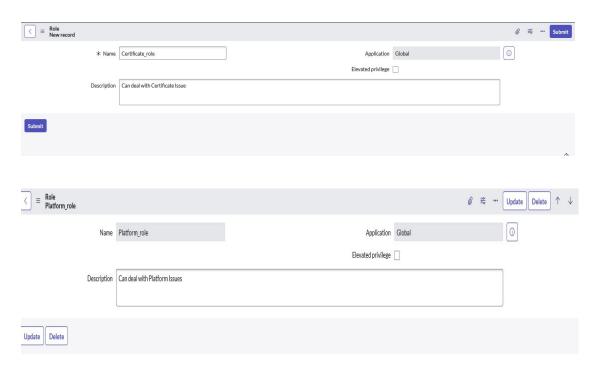
Milestone 3: Roles

**Activity 1:** Create Roles

## **Steps:**

- 1) Open ServiceNow and log in.
- 2) Navigate to All  $\rightarrow$  System Security  $\rightarrow$  Roles.
- 3) Click New to create a role.
- 4) Fill in the required details for the first role.
- 5) Click **Submit** to save the role.
- 6) Repeat steps 3–5 to create a second role with the specified details.

Using the steps above, two roles were successfully created: Certificate\_role and Platform\_Role.

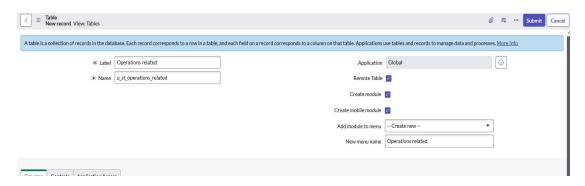


Milestone 4: Table

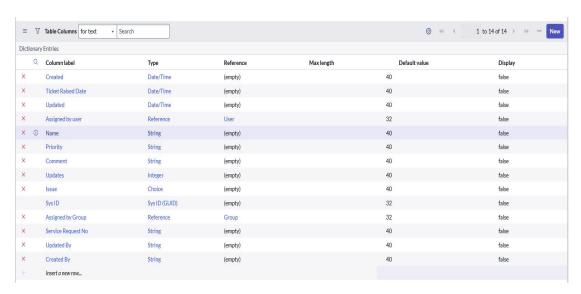
**Activity 1:** Create Table

### **Steps:**

- 1) Open ServiceNow and log in.
- 2) Navigate to All  $\rightarrow$  System Definition  $\rightarrow$  Tables.
- 3) Click **New** to create a table.
- 4) Fill in the following details:
  - a) Label: Operations related
  - b) Check the boxes Create module and Create mobile module
  - c) New menu name: Operations related



5) Under table columns give the columns

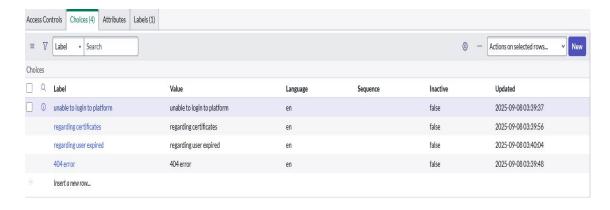


6) Click **Submit** to save the table.

# 7) Create choices for the issue filed by using form design

#### Choices are

- unable to login to platform
- 404 error
- regarding certificates
- regarding user expired

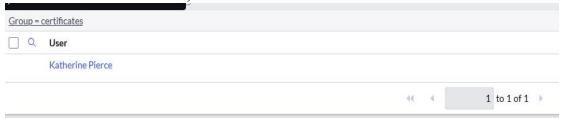


Milestone 5: Assign roles & users to groups

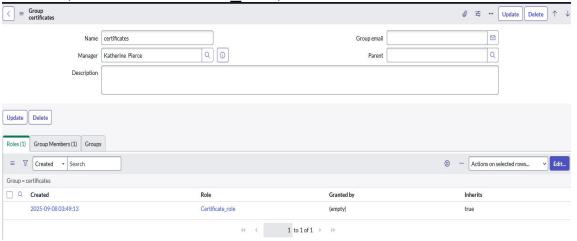
Activity 1: Assign roles & users to certificate group

#### **Steps:**

- 1) Open ServiceNow and log in.
- 2) Go to All  $\rightarrow$  User Administration  $\rightarrow$  Groups.
- 3) Search and open the Certificates group.
- 4) In the **Group Members** related list, click **Edit**, add **Katherine Pierce**, and **Save**.



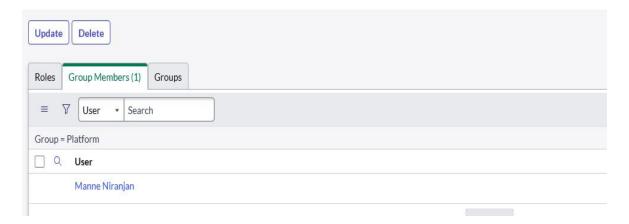
5) In the Roles related list (still on the group form), click Edit, add Certification role, and Save



### Activity 2: Assign roles & users to platform group

# **Steps:**

- 1) Open ServiceNow and log in.
- 2) Go to All  $\rightarrow$  User Administration  $\rightarrow$  Groups.
- 3) Search and open the **Platform** group.
- 4) In the **Group Members** related list, click **Edit**, add **Manne Niranjan**, and **Save**.



5)In the Roles related list (still on the group form), click Edit, add Certification role, and Save



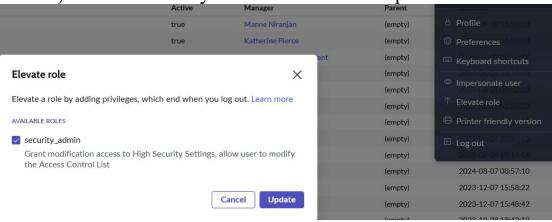
Milestone 6: Assign role to table

Activity 1: Assign role to table

#### Steps:

- 1)Open service now.
- 2)Click on the profile on top right side
- 3)Click on elevate role

4)Click on security admin and click on update



- 5)Click on All >> search for ACL
- 6)Select on u\_operations\_related read
- 7)Under Requires role
- 8)Double click on insert a new row
- 9)Give platform role
- 10)And add certificate role
- 11)Click on update



- 12)Select on u\_operations\_related write
- 13)Under Requires role
- 14)Double click on insert a new row
- 15)Give platform role
- 16)And add certificate role
- 17)Click on update

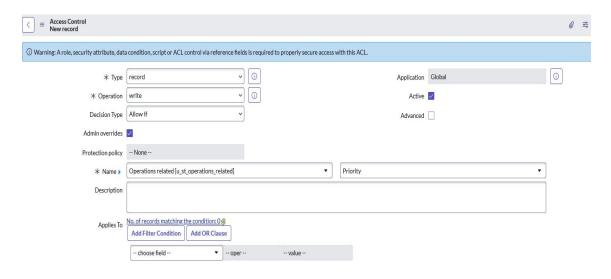
Requires r	ole
	Role
×	u_operations_related_user
× /	Platform_role
×	Certificate_role
+	Insert a new row

Milestone 7: Create ACL

**Activity 1 :** Create ACL

## **Steps:**

- 1)Open service now.
- 2)Click on All >> search for ACL
- 3)Select Access Control(ACL) under system security
- 4)Click on new
- 5)create a new ACL by following details



- 6)Scroll down under requires role
- 7)Double click on insert a new row
- 8)Give admin role



9)Click on submit

# 10)Similarly create 4 acl for the following fields

] Q	Name	Decision Type	Operation	Туре	Active	Updated by	Updated ▼
	u_st_operations_related.u_service_reques	AllowIf	write	record	true	admin	2025-09-08 04:42:29
	u_st_operations_related.u_name	Allow If	write	record	true	admin	2025-09-08 04:41:18
	u_st_operations_related.u_issue	AllowIf	write	record	true	admin	2025-09-08 04:40:31
	u_st_operations_related.u_ticket_raised	AllowIf	write	record	true	admin	2025-09-08 04:39:31
	u_st_operations_related.u_priority	AllowIf	write	record	true	admin	2025-09-08 04:38:38

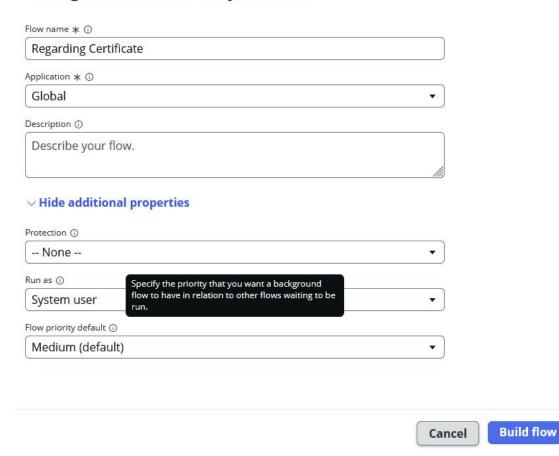
#### **Milestone 7**: Flow

**Activity 1 :** Create a Flow to Assign operations ticket to Certificate group

# **Steps:**

- 1)Open service now.
- 2)Click on All >> search for Flow Designer
- 3)Click on Flow Designer under Process Automation.
- 4)After opening Flow Designer Click on new and select Flow.
- 5)Under Flow properties Give Flow Name as "Regarding Certificate".
- 6) should be Global.
- 7)Select Run user as "System user" from that choice.
- 8)Click on Submit.

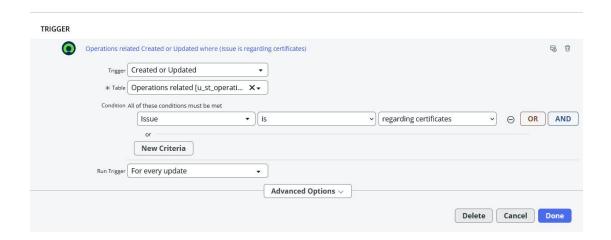
#### Let's get the details for your flow



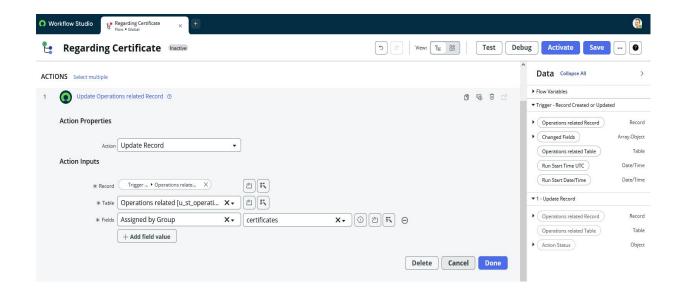
- 9)Click on Add a trigger
- 10)Select the trigger in that Search for "create or update a record" and select that.
- 11) Give the table name as "Operations related".
- 12)Give the Condition as

Field: issue Operator: is

Value: Regrading Certificates 13) After that click on Done.



- 14) Now under Actions.
- 15)Click on Add an action.
- 16)Select action in that search for "Update Record".
- 17)In Record field drag the fields from the data navigation from left side
- 18) Table will be auto assigned after that
- 19) Give the field as "Assigned to group"
- 20) Give value as "Certificates"



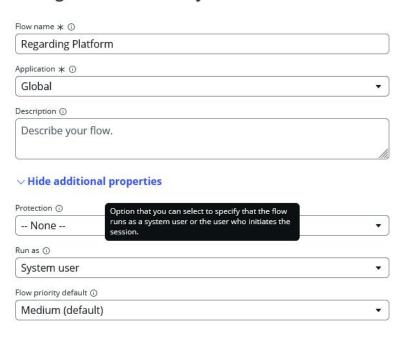
- 21)Click on Done.
- 22)Click on Save to save the Flow.
- 23)Click on Activate.

# **Activity 1 :** Create a Flow to Assign operations ticket to Platform group

#### Steps:

- 1)Open service now.
- 2)Click on All >> search for Flow Designer
- 3)Click on Flow Designer under Process Automation.
- 4) After opening Flow Designer Click on new and select Flow.
- 5)Under Flow properties Give Flow Name as "Regarding Platform".
- 6) should be Global.
- 7)Select Run user as "System user" from that choice.
- 8)Click on Submit.

#### Let's get the details for your flow



Cancel Build flow

9)Click on Add a trigger

10)Select the trigger in that Search for "create or update a record" and select that.

11) Give the table name as "Operations related".

12) Give the Condition as

Field: issue Operator: is

Value: Unable to login to platform

Click on New Criteria

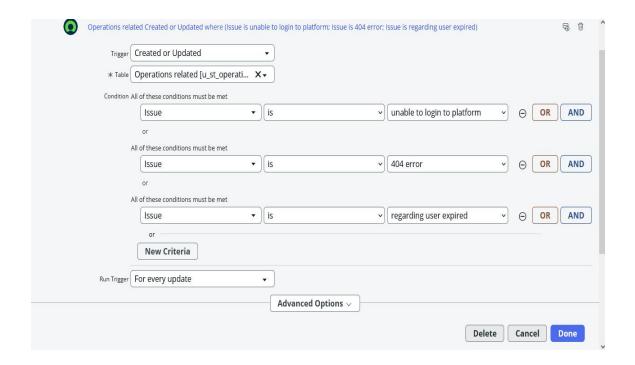
Field: issue Operator: is

Value : 404 Error Click on New Criteria

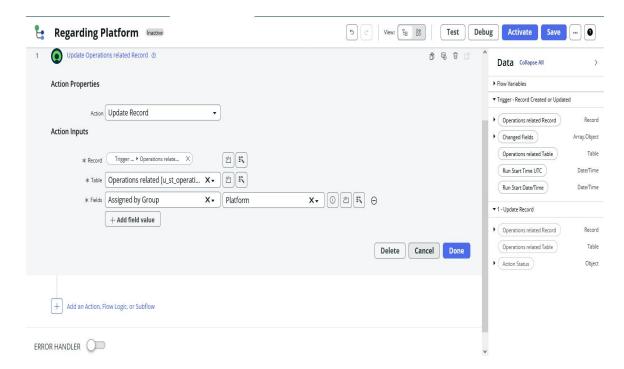
Field: issue Operator: is

Value: Regrading User expired

13)After that click on Done.



- 14) Now under Actions.
- 15) Click on Add an action.
- 16) Select action in that search for "Update Record".
- 17) In Record field drag the fields from the data navigation from left side
- 18) Table will be auto assigned after that
- 19) Give the field as "Assigned to group".
- 20) Give value as "Platform".
- 21) Click on Done.
- 22) Click on Save to save the Flow.
- 23) Click on Activate.



# Conclusion:

This document outlined the end-to-end process of streamlining ticket assignment in ServiceNow for ABC Corporation. The steps covered include creating users, groups, and roles; designing a custom operations table; applying access controls; and building flows for automated ticket routing.

By following these milestones, an automated ticket assignment framework was successfully implemented. This solution eliminates manual routing, ensures tickets are directed to the correct support groups, and reduces delays in issue resolution.

#### **Key Outcomes:**

Two user accounts and two groups were created to represent support teams.

Roles were defined and assigned to manage access rights.

A custom operations table was created with relevant issue categories.

ACLs were configured to enforce role-based security.

Automated flows were built to assign tickets to the correct groups based on issue type.