



Streamlining Ticket Assignment for Efficient Support Operations

Team Id: NM2025TMID13794

Team Details:-

Team Leader: Madhusudan

Team Member 1: Aaron M

Team Member 2: Vignesh AS

Team Member 3: Abishek CM

Problem Statement:

Manual ticket routing at ABC Corporation leads to delays, misallocation of issues, and reduced efficiency in support operations, creating the need for an automated ticket assignment system to ensure accurate and timely resolution.

Objective:

To implement an automated system for ticket routing at ABC Corporation that accurately assigns support tickets to the appropriate teams.

Skills:

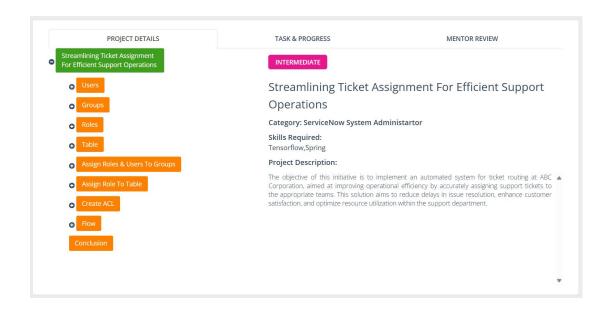
1. TensorFlow 2.Spring





Project Structure

- 1. Users \rightarrow Create and manage users in ServiceNow for ticket handling
- 2. Groups → Define groups responsible for handling specific issue categories
- 3. Roles \rightarrow Assign roles to control access and responsibilities
- 4. Table → Create an "Operations Related" table with issue categories and assignment fields
- 5. Assign Roles & Users to Groups → Map users to their groups and assign relevant roles
- 6. Assign Role to Table → Provide table-level access permissions for groups and roles
- 7. Create ACL → Define Access Control Lists for security and field-level access
- 8. Flow → Automate ticket assignment using ServiceNow Flow Designer
- 9. Conclusion → Summarize the project outcomes and benefits





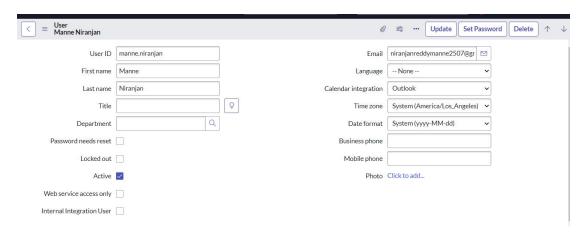


TASK INITIATION

Milestone 1: Users

Activity 1: Create Users

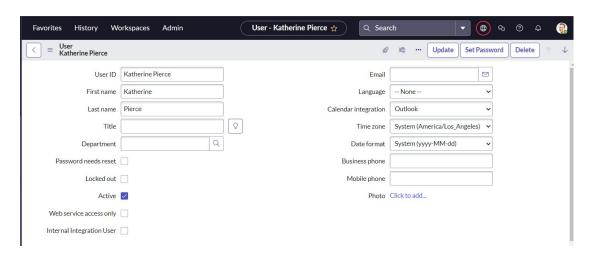
- 1. Open ServiceNow.
- 2. Click on All \rightarrow search for Users.
- 3. Select Users under system security.
- 4. Click on New.
- 5. Fill in the required details to create a new user.



6. Click on Submit.

Create one more user:

7. Create another user with the given details.



8. Click on Submit.

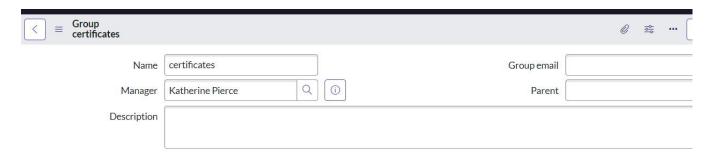




Milestone 2 : Groups

Activity 1: Create Groups

- 1. Open ServiceNow.
- 2. Click on All \rightarrow search for Groups.
- 3. Select Groups under system security.
- 4. Click on New.
- 5. Fill in the required details to create a new group.



6. Click on Submit.

Create one more group:

1. Create another group with the following details



2. Click on submit

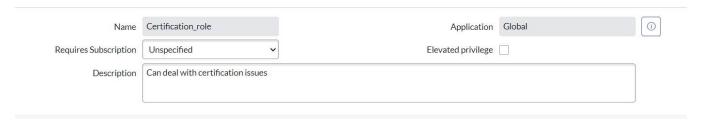




Milestone 3: Roles

Activity 1: Create Roles

- 1. Open ServiceNow.
- 2. Click on All \rightarrow search for Roles.
- 3. Select Roles under system security.
- 4. Click on New.
- 5. Fill in the required details to create a new role.



6. Click on Submit.

Create one more role:

7. Create another role with the given details.



8. Click on Submit.





Milestone 4: Table

Activity 1: Create Table

- 1. Open ServiceNow.
- 2. Click on All \rightarrow search for Tables.
- 3. Select Tables under system definition.
- 4. Click on New.
- 5. Fill in the details to create a new table.
- Label: Operations Related
- Check the boxes Create module & Create mobile module
- 6. Under New Menu Name: Operations Related
- 7. Under table columns give the columns

| Q | Column label | Туре | Reference | Max length | Default value | Display |
|---|--------------------|---------------|-----------|------------|--------------------------------------|---------|
| | Created by | String | (empty) | 40 |) | false |
| | Created | Date/Time | (empty) | 40 | | false |
| | Sys ID | Sys ID (GUID) | (empty) | 32 | 2 | false |
| | Updates | Integer | (empty) | 40 |) | false |
| | Updated by | String | (empty) | 40 |) | false |
| | Updated | Date/Time | (empty) | 40 |) | false |
| < | Assigned to group | Reference | Group | 40 |) | false |
| < | Assigned to user | Reference | User | 32 | 2 | false |
| < | Comment | String | (empty) | 40 |) | false |
| × | Issue | String | (empty) | 40 |), | false |
| × | Name | String | (empty) | 40 |) | false |
| × | Priority | String | (empty) | 40 | | false |
| × | Service request No | String | (empty) | 40 | javascript:getNextObjNumberPadded(); | false |
| × | Ticket raised Date | Date/Time | (empty) | 40 |), | false |
| - | Insert a new row | | | | | |

8. Click on Submit.

Create Choices for Issues:

- Unable to login to platform
- 404 Error
- Regarding Certificates
- Regarding User Expired





Milestone 5: Assign Roles & Users to Groups

Activity 1: Assign to Certificates Group

- 1. Open ServiceNow.
- 2. Go to Tables under system definition.
- 3. Select the Certificates Group.
- 4. Under Group Members, click on Edit.
- 5. Add Katherine Pierce and save.
- 6. Under Roles, add Certification_role and save.

Activity 2: Assign to Platform Group

- 1. Open ServiceNow.
- 2. Go to Tables under system definition.
- 3. Select the Platform Group.
- 4. Under Group Members, click on Edit.
- 5. Add Manne Niranjan and save.
- 6. Under Roles, add Platform_role and save.

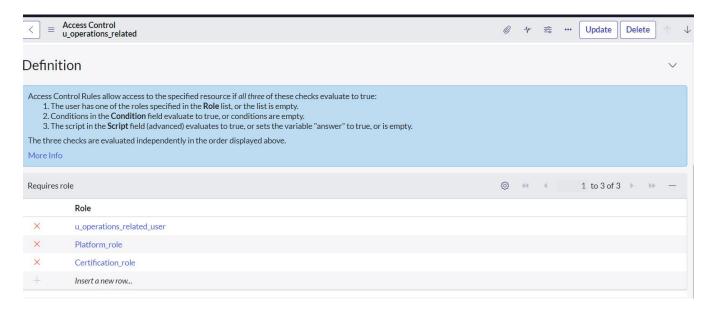




Milestone 6: Assign Roles to Table

Activity 1: Provide Table Access

- 1. Open ServiceNow.
- 2. Go to Tables under system definition.
- 3. Select Operations Related Table.
- 4. Open Application Access.
- 5. Click on u operations related (Read Operation).
- 6. Elevate role \rightarrow Security Admin \rightarrow Update.
- 7. Under Requires Role, insert Platform Role and Certificate Role.
- 8. Update.



9. Repeat the same for Write Operation.

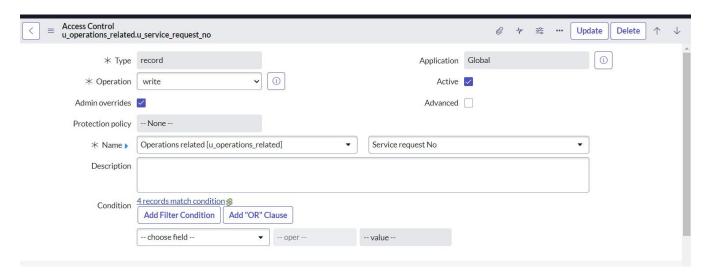




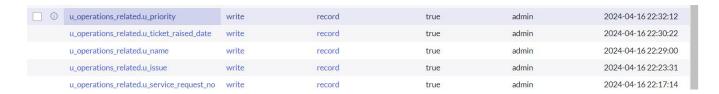
Milestone 7: Access Control List (ACL)

Activity 1: Create ACL

- 1. Open ServiceNow.
- 2. Click on All \rightarrow search for ACL.
- 3. Select Access Control (ACL) under system security.
- 4. Click on New.
- 5. Fill in details to create a new ACL.



- 6. Under Requires Role, insert Admin Role.
- 7. Submit.
- 8. Similarly, create 4 ACLs for the required fields.



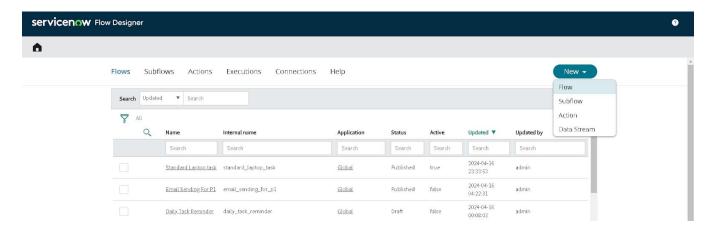




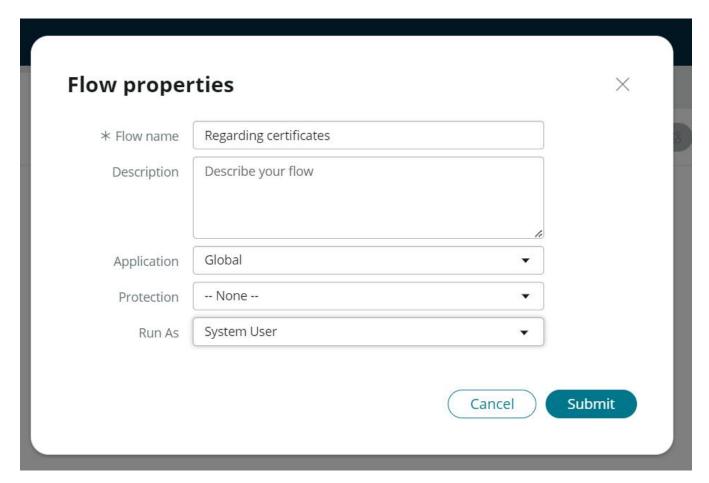
Milestone 8: Flow - Assign Operations Ticket

Activity 1: Flow for Certificate Issues

- 1. Open ServiceNow.
- 2. Go to Flow Designer.



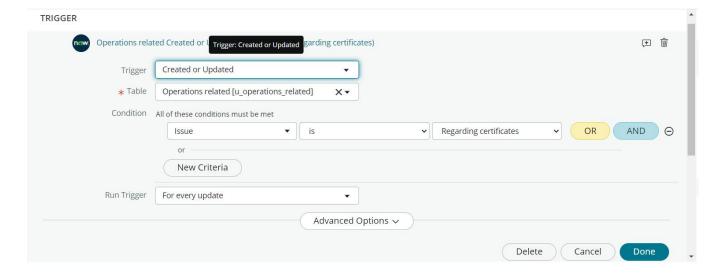
3. Create a new Flow \rightarrow Name: Regarding Certificate.



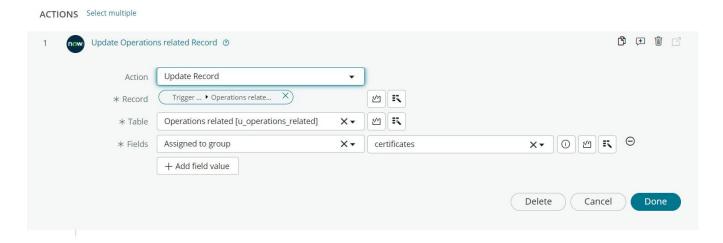
- 4. Application: Global | Run User: System User.
- 5. Add Trigger \rightarrow Create or Update a Record.
- 6. Table: Operations Related
- 7. Condition: Issue = "Certificates"



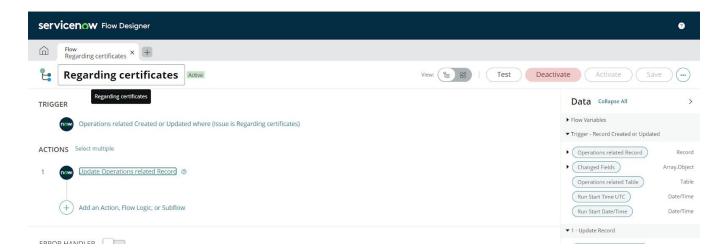




8. Add Action \rightarrow Update Record.



- 9. Field: Assigned to Group → Certificates
- 10. Save & Activate.







Activity 2: Flow for Platform Issues

- 1. Open ServiceNow.
- 2. Create a new Flow \rightarrow Name: Regarding Platform.
- 3. Application: Global | Run User: System User.
- 4. Add Trigger → Create or Update a Record.
 - Table: Operations Related
 - Conditions:
 - i. Issue = "Unable to login to platform"
 - ii. Issue = "404 Error"
 - iii. Issue = "User Expired"
- 5. Add Action \rightarrow Update Record.
 - Field: Assigned to Group → Platform
- 6. Save & Activate.

Conclusion

The implementation of the automated ticket routing system at ABC Corporation proved to be highly effective. By leveraging ServiceNow functionalities such as user, group, and role management, table creation, ACLs, and flow automation, the process of assigning support tickets has been streamlined. This automation eliminated manual routing challenges, ensured tickets are directed to the right teams, reduced delays in resolution, and significantly improved both operational efficiency and customer satisfaction.