

# Streamlining Ticket Assignment for Efficient Support Operations

## Project Demonstration

### 1. Introduction

**Project Title:** *Streamlining Ticket Assignment for Efficient Support Operations*

**Team ID:** LTVIP2026TMIDS74504

**Team Size:** 5

- **Team Leader:** G Sravani – Project Coordination, Users & Groups Configuration
- **Team Member:** G Chandana – Roles & Custom Table Creation
- **Team Member:** J Meghana – Assigning Roles to Users & Groups
- **Team Member:** M Sanjana – Table-Level Role Assignment & ACL Configuration •
- **Team Member:** S Swathi – Flow Designer Automation

### 2. Project Demonstration

#### 2.1 Objective of Demonstration

The purpose of this demonstration is to show how the ticket assignment process is automated in ServiceNow to improve efficiency, reduce manual effort, and ensure proper role-based access control.

#### 2.2 Implementation Overview

The project was implemented in the following structured manner:

##### Step 1: Custom Table Creation

A custom table **Operations Related (u\_operations\_related)** was created to store support tickets.

The table contains fields such as:

- Name
- Assigned to Group
- Assigned to User
- Issue (Choice Field)
- Priority
- Service Request Number
- Ticket Raised Date
- Comment

This table acts as the central repository for all support operations tickets.

servicenow All Favorites History Workspaces Admin Table - Operations related

A table is a collection of records in the database. Each record corresponds to a row in a table, and each field on a record corresponds to a column on that table. Applications use tables and records to manage data and processes. [More Info](#)

\* Label: Operations related Application: Global

\* Name: u\_operations\_related Remote Table: ☐

Columns Controls Application Access

Table Columns for text Search

Dictionary Entries

	Column label	Type	Reference	Max length	Default value	Display
<input checked="" type="checkbox"/>	Priority	String	(empty)	40	40	false
<input checked="" type="checkbox"/>	Assigned to user	Reference	User	32	32	false
<input checked="" type="checkbox"/>	Updated	Date/Time	(empty)	40	40	false
<input checked="" type="checkbox"/>	Service request No	String	(empty)	40	40	false
<input checked="" type="checkbox"/>	Created by	String	(empty)	40	40	false
<input checked="" type="checkbox"/>	Name	String	(empty)	40	40	false
<input checked="" type="checkbox"/>	Issue	Choice	(empty)	40	40	false
<input checked="" type="checkbox"/>	Created	Date/Time	(empty)	40	40	false
<input checked="" type="checkbox"/>	Assigned to group	Reference	Group	32	32	false
<input checked="" type="checkbox"/>	Ticket raised Date	Date/Time	(empty)	40	40	false
<input checked="" type="checkbox"/>	Comment	String	(empty)	40	40	false
<input checked="" type="checkbox"/>	Sys ID	Sys ID (GUID)	(empty)	32	32	false
<input checked="" type="checkbox"/>	Updated by	String	(empty)	40	40	false
<input checked="" type="checkbox"/>	Updates	Integer	(empty)	40	40	false
<input type="checkbox"/>	Insert a new row...					

Figure 1: Table Creation - Operations Related

## Step 2: Role Creation

Two roles were created to control access:

- Certification\_role → For handling certification-related issues
- Platform\_role → For handling platform-related issues

These roles ensure secure access control and prevent unauthorized modifications.

servicenow All Favorites History Workspaces Admin Role - Certification\_role

Name: Certification\_role Application: Global

Description: Can deal with certification issues

Update Delete

Contains Roles Applications with Role Modules with Role Custom Tables

Role - Certification\_role

Contains

No records to display

Figure 2.1: Certification\_role Creation

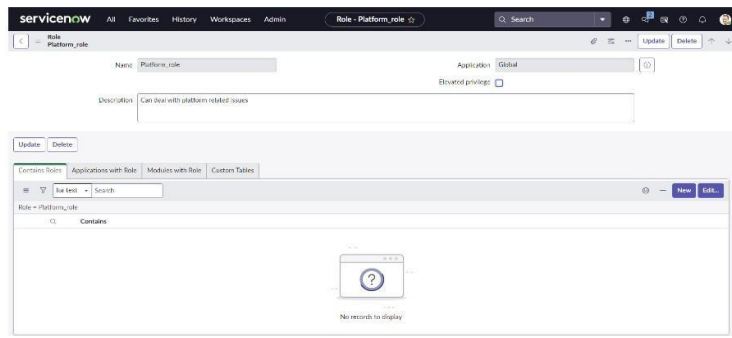


Figure 2.2: Platform\_role - Creation

### Step 3: Group Creation and Role Assignment

Two groups were created:

- certificates group → Assigned Certification\_role
- Platform group → Assigned Platform\_role

Users were added to respective groups to ensure proper ticket handling.

This enables role-based ticket visibility and access control.

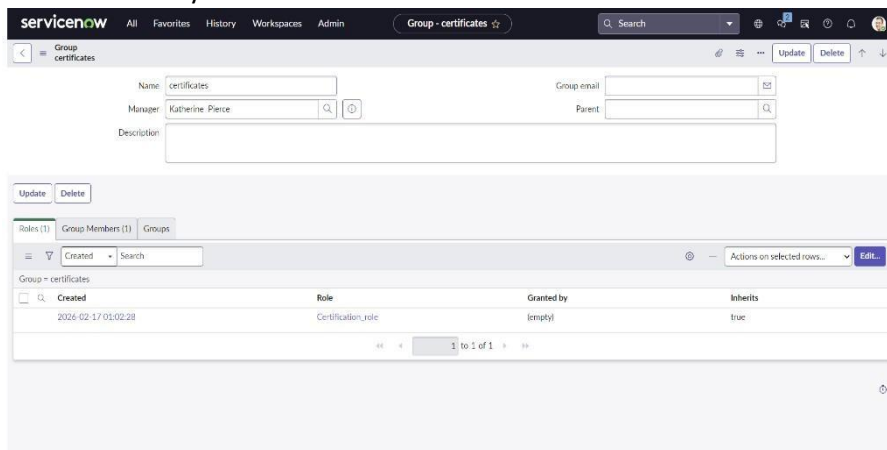


Figure 3.1: certificates group

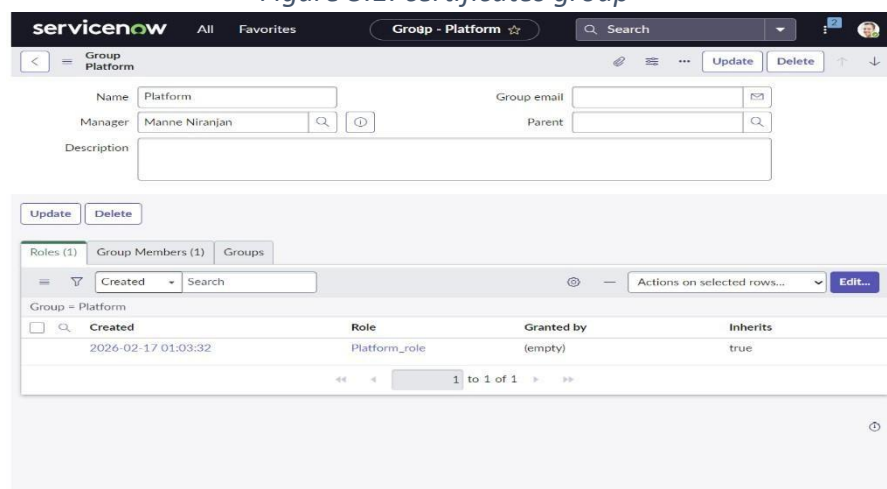


Figure 3.2: Platform group

Name	Decision Type	Operation	Type	Active	Updated by	Updated
u_operations_related	Search	Search	Search	Search	Search	Search
u_operations_related.u_issue	Allow If	write	record	true	admin	2026-02-17 01:15:39
u_operations_related.u_name	Allow If	write	record	true	admin	2026-02-17 01:14:59
u_operations_related.u_ticket_raised_date	Allow If	write	record	true	admin	2026-02-17 01:14:20
u_operations_related.u_priority	Allow If	write	record	true	admin	2026-02-17 01:13:38
u_operations_related.u_service_request_no	Allow If	write	record	true	admin	2026-02-17 01:11:45
u_operations_related	Allow If	write	record	true	admin	2026-02-17 00:51:08
u_operations_related	Allow If	read	record	true	admin	2026-02-17 00:51:08
u_operations_related	Allow If	delete	record	true	admin	2026-02-17 00:51:08
u_operations_related	Allow If	create	record	true	admin	2026-02-17 00:51:08

Figure 4: Access Control List

## 4: Access Control (ACL) Configuration

Access Control Rules were created to:

- Allow only authorized roles to Create, Read, Write, Delete records.
- Restrict unauthorized users from accessing ticket data. This ensures secure data handling and compliance.

### Step 5: Flow Designer Implementation (Auto Assignment Logic)

Two separate flows were created in Flow Designer:

#### Flow 1 – Regarding Certificate

Trigger:

- When a record is Created or Updated
- Condition: Issue = "regarding certificates"

Action:

- Automatically updates the record
- Assigns ticket to certificates group

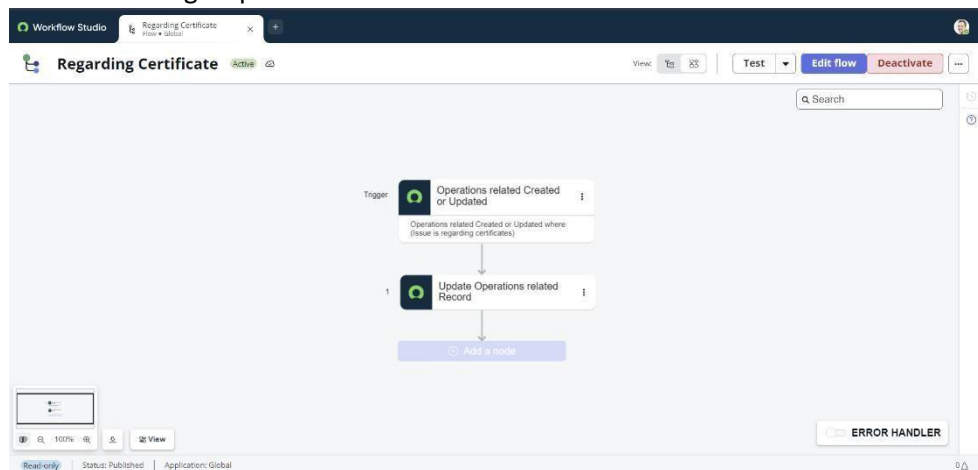


Figure 5.1: Flow Automation for “Regarding Certificate”

#### Flow 2 – Regarding Platform

Trigger:

- When record is Created or Updated
- Condition: Issue = "unable to login to platform" OR "404 error"

Action:

- Automatically assigns ticket to Platform group

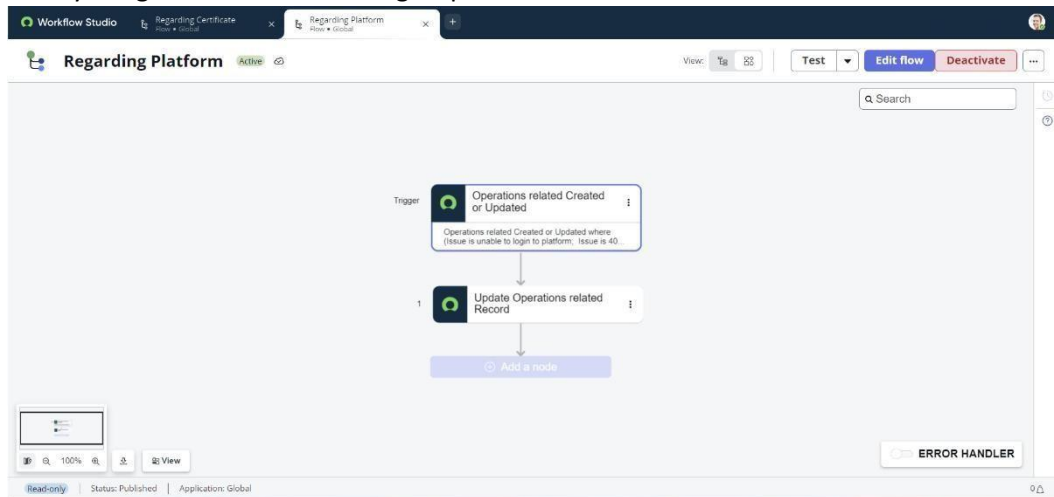


Figure 5.2: Flow Automation for "Regarding Platform"

This eliminates manual assignment and ensures faster ticket routing.

## 2.3 End-to-End Working Demonstration

1. User creates a new ticket in Operations Related table.
2. User selects Issue category.
3. Record is submitted.
4. Flow Designer triggers automatically.
5. Based on Issue:
  - o Ticket is auto-assigned to correct group.
6. Only authorized users (based on roles) can modify the ticket.

This demonstrates automated ticket routing and secure access control.

The screenshot shows the 'Operations related - New Record' form in ServiceNow. The form is filled with the following data:

Name	Assigned to group	Assigned to user	Comment	Issue	Priority	Service request No	Ticket raised Date
servicenow user	certificates	(empty)	Not Working properly	regarding certificates			(empty)
Chand	Platform	(empty)	Something user expired is getting	regarding user expired			(empty)
admin user	Platform	(empty)	unable to login to platform				(empty)
sample user	Platform	(empty)	Getting this error repeatedly	404 error			(empty)

Figure6.1: Table Form filled successfully

The screenshot shows the 'Operations related' table in ServiceNow. The table has columns: Name, Assigned to group, Assigned to user, Comment, Issue, Priority, Service request No, and Ticket raised Date. The table is filtered by 'Name' and shows the following data:

Name	Assigned to group	Assigned to user	Comment	Issue	Priority	Service request No	Ticket raised Date
servicenow user	certificates	(empty)	Not Working properly	regarding certificates			(empty)
Chand	Platform	(empty)	Something user expired is getting	regarding user expired			(empty)
admin user	Platform	(empty)	unable to login to platform				(empty)
sample user	Platform	(empty)	Getting this error repeatedly	404 error			(empty)

Figure 6.2: Automatically "Assigned Group" is created

## 2.4 Business Impact

The implementation provides:

- Reduced manual effort in ticket routing
- Faster response time
- Improved SLA compliance
- Secure role-based access
- Organized ticket management

**Github Link :** <https://github.com/srava123371/Streamlining-Ticket-Assignment-for-Efficient-Support-Operations.git>

**Demo Video Link:** <https://drive.google.com/file/d/17oMzpHHAosefjQNUXeFI3L9oXB2NTOdI/view?usp=sharing>