

Automated Network Request Management in ServiceNow

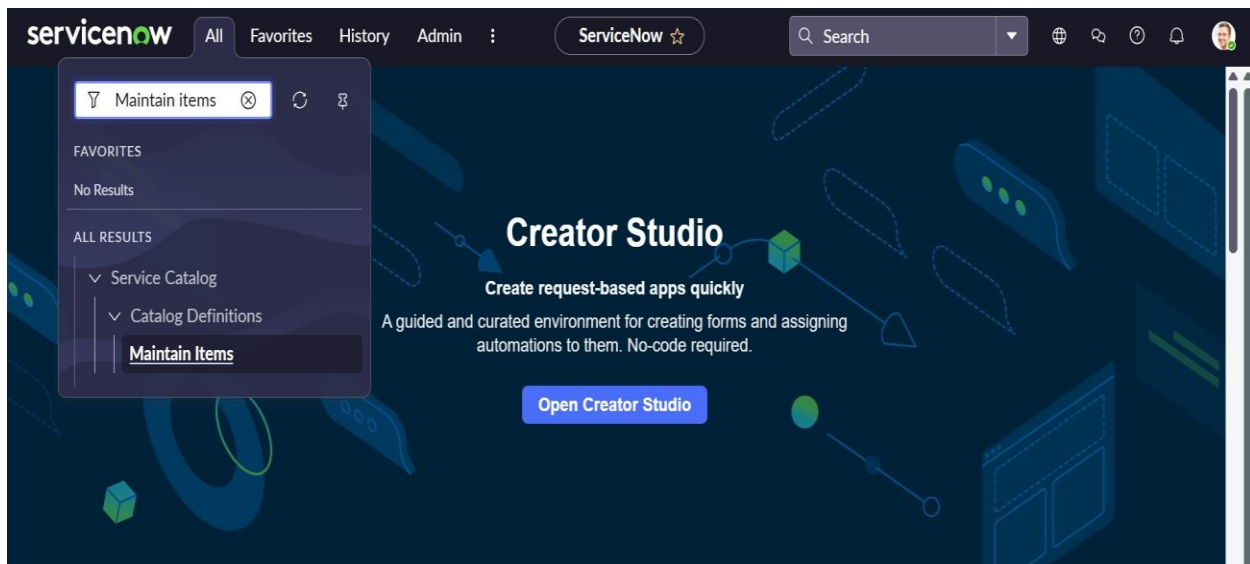
INTRODUCTION:

This project provides an automated solution in ServiceNow to manage network-related service requests. Through a self-service portal, users can easily submit requests, which are then validated, approved, and routed for fulfillment. Automated workflows handle approvals, notifications, and task assignments, while optional integrations with network tools reduce manual effort. The system also offers real-time updates and reporting to improve efficiency, transparency, and SLA tracking.

Process 1: Creation of Service Catalog – "Network Request"

Step 1: Navigate to Service Catalog

1. Open the Application Navigator in ServiceNow.
2. Go to:
All → Service Catalog → Maintain Items

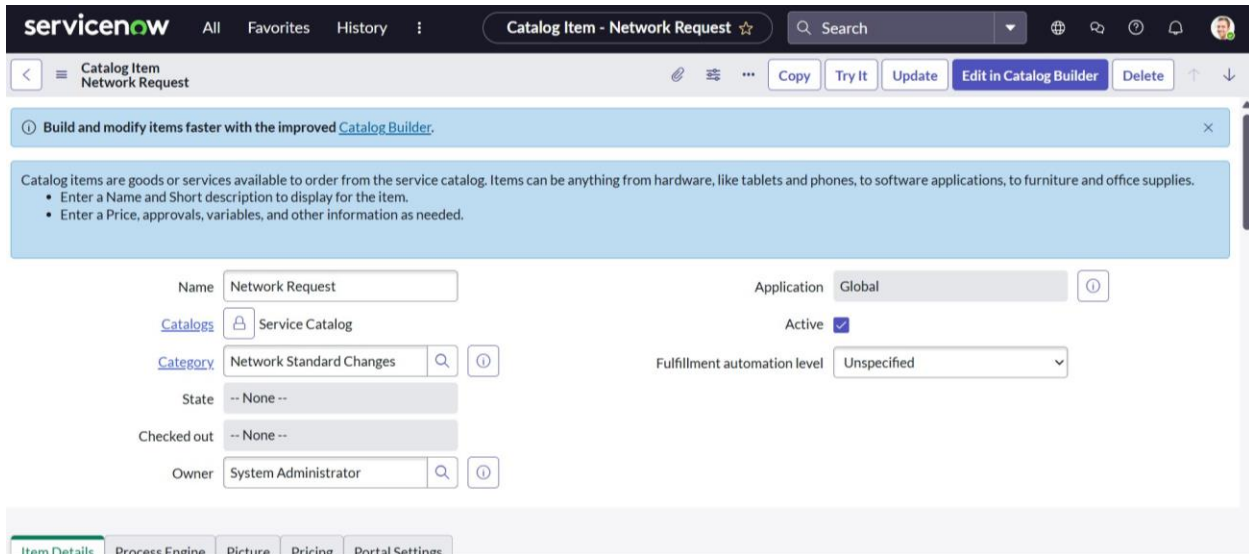


Step 2: Create New Catalog Item

1. Click on New
2. Fill the following details:
 - o **Name:** Network Request
 - o **Catalog:** Service Catalog
 - o **Category:** Network and connectivity

o **Short Description:** Network Request Management

3. Click on **Save**



The screenshot shows the ServiceNow 'Catalog Item - Network Request' form. The top navigation bar includes 'servicenow', 'All', 'Favorites', 'History', and a search bar. The breadcrumb trail is 'Catalog Item - Network Request'. The form contains several fields: 'Name' (Network Request), 'Application' (Global), 'Catalogs' (Service Catalog), 'Category' (Network Standard Changes), 'State' (-- None --), 'Checked out' (-- None --), and 'Owner' (System Administrator). There are also checkboxes for 'Active' and a dropdown for 'Fulfillment automation level' (Unspecified). A blue banner at the top of the form area says 'Build and modify items faster with the improved Catalog Builder.' Below this, a light blue box provides instructions: 'Catalog items are goods or services available to order from the service catalog. Items can be anything from hardware, like tablets and phones, to software applications, to furniture and office supplies. • Enter a Name and Short description to display for the item. • Enter a Price, approvals, variables, and other information as needed.'

Step 3: Configure Variables

1. Open the newly created **Network Request** catalog item.
2. Scroll down to the **Variables** related list → Click **New** for each variable.
3. Fill out the following for each variable:
 - o **Type:** Single line text, Choice, Reference, etc.
 - o **Order:** e.g., 100, 200, 300 (controls display order)
 - o **Question:** Label shown on the form
 - o **Name:** Technical name (used in scripts)
 - o **Tooltip:** Info shown on mouse hover
 - o **Example Text:** Placeholder help text
 - o **Mandatory / Read-Only:** As required
 - o **Auto-populate:** Use dot-walking for dependent values

servicenow All Favorites History : **Catalog Item - Network Request** Search

Variable Service Details Copy Update Delete

Application: ⓘ

Map to field: ☐

Type:

Catalog item: ⓘ

Order:

Active: ☒

Mandatory: ☒

Read only: ☐

Hidden: ☐

Unique: ☐

Disable automatic slot fill based on user context: ☐

Question Annotation Type Specifications Default Value Auto-populate Permission Availability

* Question:

* Name:

Conversational label:

Step 4: Variable Types Configuration

servicenow All Favorites History : **Catalog Item - Network Request** Search

Catalog Item - Network Request Copy Try It Update Edit in Catalog Builder Delete

Variables (10) Variable Sets (1) Catalog UI Policies Catalog Client Scripts Available For Not Available For Categories (1) Catalogs (1) Catalog Data Lookup Definitions

Related Articles Related Catalog Items Assigned Topics

Order Actions on selected rows... New

Catalog item = Network Request

Type	Read only	Question	Name	Order	Created
Single Line Text	false	Service Details	service_details	100	2025-08-31 02:18:37
Multiple Choice	true	Is this is a network connection or a ren...	is_this_is_a_network_connection_or	120	2025-08-31 02:25:18
Single Line Text	true	please provide address here	please_provide_address_here	130	2025-08-31 02:35:00
Container Start	false	Service deatils	service_deatils	200	2025-08-31 02:23:01
Single Line Text	true	Location and divided types	location_and_divided_types	410	2025-08-31 02:26:58
Single Line Text	false	provide details	provide_details	430	2025-08-31 02:44:13
Select Box	true	type of boxes	type_of_boxes	500	2025-08-31 02:27:55
Single Line Text	false	If any,please write here	if_any_please_write_here	510	2025-08-31 02:44:57
Container Start	false	Additional Information	additional_information	600	2025-08-31 02:31:27
Container Start	false	Location & Devices Type	location_devices_type	700	2025-08-31 02:32:52

Step 5: Configure Variable Set – Requester Information

5.1 Create Variable Set

1. Navigate to **Variable Sets** under Service Catalog.

Variables (10) Variable Sets (1) Catalog UI Policies Catalog Client Scripts Available For Not Available For Categories (1) Catalogs (1) Catalog Data Lookup Definitions

Related Articles Related Catalog Items Assigned Topics

Order Search

Actions on selected rows... New

Catalog item = Network Request

2. Click on New.

3. Fill the following details:

- o **Title:** Requester information
- o **Internal Name:** requester_information (auto-filled)
- o **Order:** 100
- o **Type:** Single Row
- o **Layout:** 2 Columns Wide, one side, then the other

o Check the box: **Display title**

4. Click Submit or Update

servicenow All Favorites History Variable Set - Request information Search

Variable Set Request information Update Delete

* Title Request information Application Global

* Internal name request_information Display title ☒

Order 100 Layout 2 Columns Wide, one side, then the other

Type Single Row

Description

Update Delete

Variables Catalog UI Policies Catalog Client Scripts Included In (1) Catalog Data Lookup Definitions

Order Search

Variable set = Request information

Name	Type	Question	Order
------	------	----------	-------

Step 5.2: Add Variables to the Variable Set "Requester Information"

After creating the variable set, now it's time to add the variables one by one.

1. Opened on behalf of

- o Type: Reference
- o Reference to: User *sys_user+
- o Name: opened_on_behalf_of
- o Order: 100
- o This allows the requester to select a user they are raising the request for.

servicenow All Favorites History Variable Set - Request information Search

Variable Email ID Copy Update Delete

Application Global Active ☒

Map to field ☐ Mandatory ☐

Type Single Line Text Read only ☐

Order 200 Hidden ☐

Variable set Request information Unique ☐

Disable automatic slot fill based on user context ☐

Question Annotation Type Specifications Default Value Auto-populate Permission Availability

* Question Email ID

* Name email_id

Conversational label

2. Email ID

- o Type: Single Line Text
- o Name: email_id
- o Order: 200
- o This will be auto-filled based on the user selected in "Opened on behalf of".
- o You can use a script or dot-walking to populate the email field.

3. User Name

- o Type: Single Line Text
- o Name: user_name
- o Order: 300
- o This will also be auto-populated based on the user selected.
- o Fetch the full name from the User table.

4. Phone Number

- o Type: Single Line Text
- o Name: phone_number
- o Order: 400
- o Same as above, it can be fetched using dot-walking or client script.

5. Proof of Document

- o Type: Attachment
- o Name: proof_of_document
- o Order: 500
- o This allows users to upload a file (such as proof or ID documents).

servicenow All Favorites History Variable Set - Request information Search

Variable Set Request information Update Delete

Update Delete

Variables (5) Catalog UI Policies Catalog Client Scripts Included In (1) Catalog Data Lookup Definitions

Order Search Actions on selected rows... New

Variable set = Request information

Name	Type	Question	Order
opened_on_behalf_of	Reference	Opened on behalf of	100
email_id	Single Line Text	Email ID	200
user_name	Single Line Text	User name	300
phone_number	Single Line Text	Phone Number	400
proof_of_document	Attachment	Proof of Document	500

1 to 5 of 5

When a user is selected in the Opened on behalf of field, we want to automatically populate:

- . **Email ID**
- . **User Name**
- . **Phone Number**

Steps to Auto-populate Fields

1. Open the Variable Set

- . **Navigate to:** Service Catalog > Catalog Variable Sets
- . **Open your variable set:** Requester Information

2. Create a Catalog Client Script

- . **Navigate to:** Service Catalog > Catalog Client Scripts
- . Click New
- . Fill in details:
 - o Name: Auto Populate User Info
 - o Applies to: Catalog Item
 - o Variable Set: Select Requester Information
 - o UI Type: All
 - o Type: onChange

Catalog Client Scripts
Auto Populate User Info

Active ☒

Variable set Requester information

Variable name opened_on_behalf_of

Update Delete

UI Type All

Applies on a Catalog Item view ☒
Applies on Requested Items ☒
Applies on Catalog Tasks ☒
Applies on Target Record ☒

Script

```

1 function onChange(control, oldValue, newValue, isLoading) {
2   // Stop if form is loading or field is cleared
3   if (isLoading || newValue === '') {
4     g_form.setValue('email_id', '');
5     g_form.setValue('user_name', '');
6     g_form.setValue('phone_number', '');
7     return;
8   }
9
10  // Retrieve user info from sys_user table
11  g_form.getReference('opened_on_behalf_of', function(user) {

```

3. Configure the Script Fields

- Variable name: opened_on_behalf_of
- Script:

Catalog Client Scripts
Auto Populate User Info

Applies on Catalog Tasks ☒

Applies on Target Record ☒

Script

```

1 function onChange(control, oldValue, newValue, isLoading) {
2   // Stop if form is loading or field is cleared
3   if (isLoading || newValue === '') {
4     g_form.setValue('email_id', '');
5     g_form.setValue('user_name', '');
6     g_form.setValue('phone_number', '');
7     return;
8   }
9
10  // Retrieve user info from sys_user table
11  g_form.getReference('opened_on_behalf_of', function(user) {
12    if (user) {
13      g_form.setValue('email_id', user.email || '');
14      g_form.setValue('user_name', user.name || '');
15      g_form.setValue('phone_number', user.mobile_phone || user.phone || '');
16    } else {
17      // Clear if user not found
18      g_form.setValue('email_id', '');
19      g_form.setValue('user_name', '');
20      g_form.setValue('phone_number', '');
21    }
22  });
23 }

```

Step 6: Catalog UI Policy Configuration

Goal: Show " Provide device details here " field when Types of Devices = Others

- Navigate to the Network Request catalog item.
- In the related list, go to Catalog UI Policies → Click New.
- Fill in:
 - o Applies to: Catalog Item



- o Catalog Item: Network Request
 - o Condition: Types of devices is Others
- 4. Click Save.
- 5. In the related list, click New under UI Policy Actions.
- 6. Set:
 - o Catalog Item: Network Request
 - o Variable name: Provide device details here
 - o Visible: True
- 7. Click Update to save policy.
- 8. Test the form to ensure the field appears based on selection.

Catalog UI policies are similar to standard UI policies. Catalog UI policies dynamically change variables that are part of a catalog item or change how variable sets are handled. Policies can also be applied when the variables are present in a Requested Item or Catalog Task form. [More Info](#)

Applies to

A Catalog Item

Application

Global

* Catalog item

Network Request

Active



* Short description

Display field when device is Others

When to Apply

Script

Catalog UI policy actions are applied only if all the following conditions are met:

1. The catalog UI policy is **Active**
2. The items in the **Conditions** field evaluate to true
3. The field specified in the catalog UI policy is present on the specified catalog item

Catalog Conditions

Add Filter Condition

Add "OR" Clause

type_of_devices

is

Others

Applies on a Catalog Item view

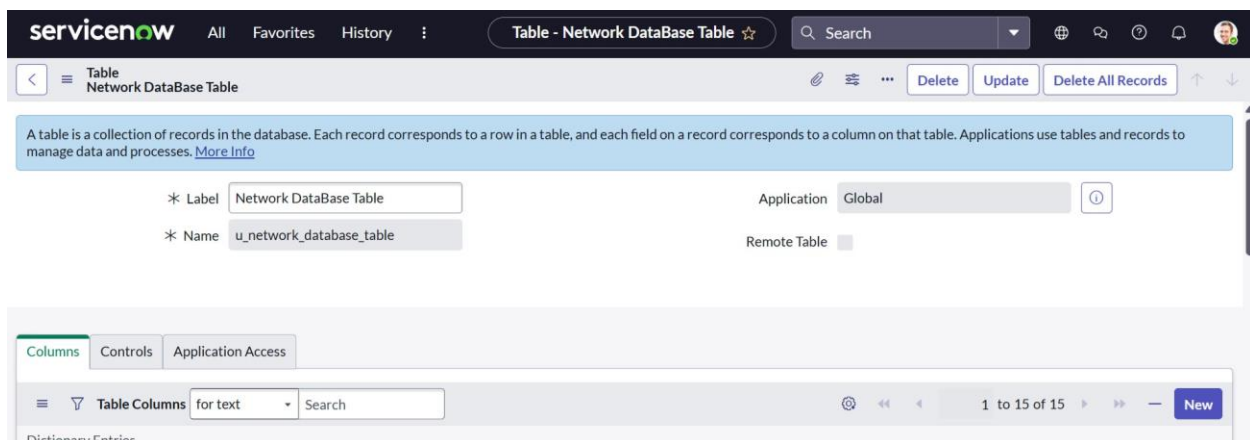
Process 2: Creation of Table and Fields in ServiceNow

>Network Database Table

Step 1: Create a New Table

1. Navigate to the Application Navigator.
2. Type: Tables under the System Definition module.
3. Click on Tables.

4. On the top-right corner, click on New to create a new table.
5. Fill in the table details:
 - o Label: Network Database Table
 - o Name: Automatically generated (or customize if needed).
 - o Keep Auto-generate schema checked.
6. Click Submit to create the table



servicenow All Favorites History Table - Network DataBase Table

Search

Table Network DataBase Table

Delete Update Delete All Records

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 Network DataBase Table Application Global

* Name u_network_database_table Remote Table

Columns Controls Application Access

Table Columns for text Search

1 to 15 of 15 New

Step 2: Add custom fields

These fields are custom fields that you will manually add in the Table Columns section of your custom table.

1. Name: u_request_number

Label: Request Number

Type: String

Reference: —

Explanation: A unique identifier for the request. Can be filled manually or auto-generated using a Business Rule

2. Name: u_assignment_group

Label: Assignment Group

Type: Reference

Reference: Group (Group table)

Explanation: Defines the team or group responsible for fulfilling the



request.

3. Name: u_customer_document

Label: Customer Document

Type: String Reference: —

Explanation:

Stores a document reference or identifier related to the customer, such as an ID proof or contract reference

4. Name: u_assigned_to

Label: Assigned To

Type: Reference

Reference: User(User table)

Explanation: The specific user assigned to handle the request.

5. Name: u_device_details

Label: Device Details

Type: String Reference: —

Explanation: Captures technical details or specifications of the device involved in the request.

6. Name: u_date_of_enquiry

Label: Date of Enquiry

Type: Date

Reference: —

Explanation: The date when the enquiry was received from the customer.

8. Name: u_approval_state

Label: Work Status

Type: String Reference: —

Explanation: Indicates the current approval or work status of the request.

9. Name: u_requested_for

Label: Requested For

Type: String (Normally this should be a Reference to sys_user, but in your screenshot

it's String)

Reference: – (unless you change it to a Reference type)

Explanation: Specifies the end-user for whom the request is being made.

servicenow All Favorites History Table - Network DataBase Table Search

Column label	Column name	Type	Reference	Max length	Default value	Display
Updated	sys_updated_on	Date/Time	(empty)	40		false
Created by	sys_created_by	String	(empty)	40		false
Sys ID	sys_id	Sys ID (GUID)	(empty)	32		false
Created	sys_created_on	Date/Time	(empty)	40		false
Updated by	sys_updated_by	String	(empty)	40		false
Updates	sys_mod_count	Integer	(empty)	40		false
Date of Enquiry	u_date_of_enquiry	Date	(empty)	40		false
Customer Document	u_customer_document	String	(empty)	40		false
Request Number	u_request_number	String	(empty)	40		false
Work Status	u_work_status	String	(empty)	40		false
Customer Address	u_customer_address	String	(empty)	40		false
Assigned to	u_assigned_to	Reference	User	32		false
Device Details	u_device_details	String	(empty)	40		false
Assignment Group	u_assignment_group	Reference	Group	32		false
Requested For	u_requested_for	String	(empty)	40		false

To Autopopulate Database Number

using Number Maintenance

ServiceNow has a built-in feature called Number Maintenance to manage auto-number sequences for any table.

1. Navigate to:
System Definition > Number Maintenance.
2. Click New.
3. Fill in details:
 - o Table → select your Network Database Table.
 - o Prefix → NET.
 - o Current Value → 1003 (or any starting number you want).
 - o Number of Digits → 7.
4. Save.



servicenow All Favorites History : Network Database Table - Create Cr... Search

Network Database Table
New record

Request Number

Assignment Group

Customer Document

Assigned to

Device Details

Date of Enquiry

Customer Address

Work Status -- None --

Requested For

Submit

Network Task Table

Step 1: Create the Child Table (Network Task Table)

1. Navigate to: System Definition > Tables
2. Click New.
3. Fill in details:
 - o Label → Network Task Table
 - o Name → auto-generated (u_network_task_table)
 - o Extends Table → select Network Database Table

(u_network_database_table)

This is the important part → by choosing Extends Table, your Network Task Table will automatically inherit all fields from the parent.

4. Save the record.



Step 2: Verify Inherited Fields

Go to Columns tab.

You'll see:

- o Fields from parent (Database Number, Request Number, Request For, etc.)
- o Plus any new fields you add specifically for tasks (Task Number, Work Status,

Assigned to, etc.).

servicenow All Favorites History : Table - Network DataBase Table ☆ Search

Table - Network DataBase Table						
Updated	sys_updated_on	Date/Time	(empty)	40	false	
Created by	sys_created_by	String	(empty)	40	false	
Sys ID	sys_id	Sys ID (GUID)	(empty)	32	false	
Created	sys_created_on	Date/Time	(empty)	40	false	
Updated by	sys_updated_by	String	(empty)	40	false	
Updates	sys_mod_count	Integer	(empty)	40	false	
✗ Date of Enquiry	u_date_of_enquiry	Date	(empty)	40	false	
✗ Customer Document	u_customer_document	String	(empty)	40	false	
✗ Request Number	u_request_number	String	(empty)	40	false	
✗ Work Status	u_work_status	String	(empty)	40	false	
✗ Customer Address	u_customer_address	String	(empty)	40	false	
✗ Assigned to	u_assigned_to	Reference	User	32	false	
✗ Device Details	u_device_details	String	(empty)	40	false	
✗ Assignment Group	u_assignment_group	Reference	Group	32	false	
✗ Requested For	u_requested_for	String	(empty)	40	false	
+ Insert a new row...						

Step 3: Configure Auto Numbering for Task Table

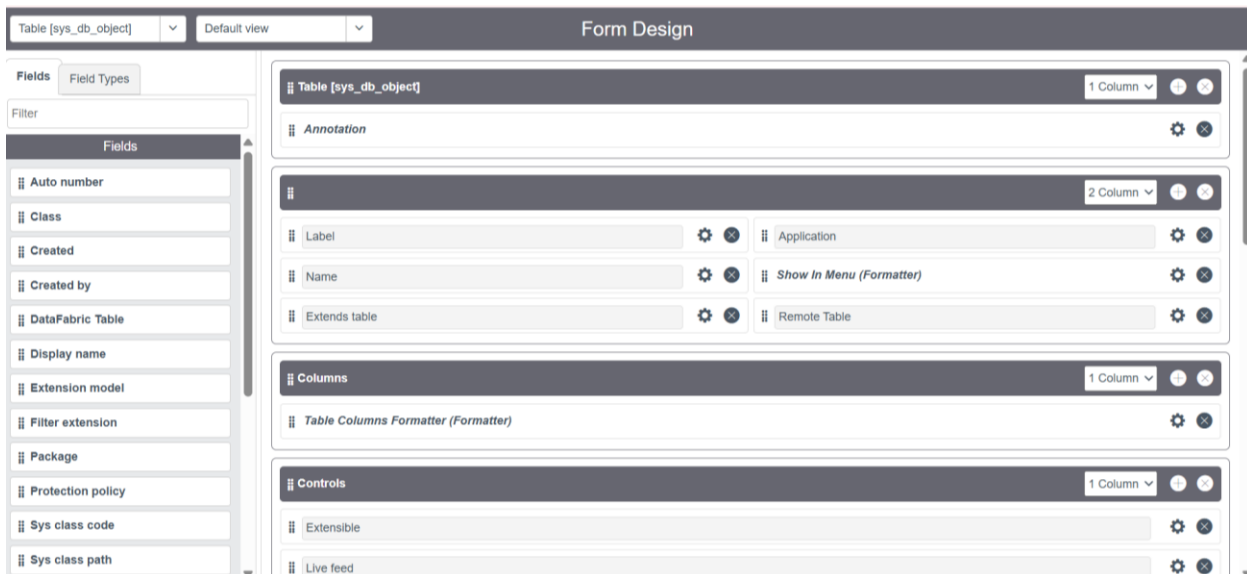
If you want separate auto numbering for Network Tasks (like NTT0001001):

1. Navigate to System Definition > Number Maintenance.
2. Click New
3. Fill details:
 - o Table → Network Task Table
 - o Prefix → NTT
 - o Current Value → 1001
 - o Number of Digits → 7
4. Save.

Now each task will have a unique Task Number (NTT0001001, NTT0001002 ...)

Step 4: Adjust the Form Layout

1. Open a record in Network Task Table.
2. Right-click the header → Configure > Form Layout.
3. Add inherited fields (Database Number, Request Number, etc.) and new fields (Task Number, Work Notes, etc.).
4. Arrange as you like.



Process 3: Request Approvals Creation

The goal is to display approval records directly on the Network Database table form.

By creating a relationship between Network Database Table and Approval (sysapproval_approver):

. We can see which approvals are associated with each record. We avoid searching in a separate table.

The refineQuery ensures only relevant approvals (based on source table and document ID) are shown.

Steps to Create the Related List with Script

1. Navigate to Relationships
 1. Go to System Definition → Relationships.
 2. Click New.
 2. Fill in the Relationship Details

Name → Request Approvals

Applies to table → Network Database Table [u_user_network_database]

Queries from table → Approval [sysapproval_approver]

Active → Checked.

3. Add the refineQuery Script

The script filters the approvals to only show records related to the



current Network Database record.

```
(function refineQuery(current, parent) {  
  current.addQuery('source_table', parent.getTableName());  
  current.addQuery('document_id', parent.sys_id);  
})(current, parent);
```

Script Explanation:

source_table → Ensures only approvals linked to this specific table are fetched.

document_id → Matches the approval record to the exact parent record.

state filter (commented out) → Can exclude approvals not required.

4. Save and Verify

1. Click Update.
2. Open a Network Database Table record.
3. You should see the Request Approvals related list populated with the

Steps to Add the Related List to the Form

1. Open any record from the Network Database Table.
2. Click the context menu (three dots in the top right of the form).
3. Navigate to Configure > Related Lists.
4. In the list of available related lists, select Approval Request.
5. Save the form configuration
6. Refresh the record — you should now see the Request Approvals related list at the bottom of the form, displaying:
 - o State
 - o Approver
 - o Comments
 - o Approval for
 - o Created

Creation & Implementation of Flows, Actions in Flow Designer

Flow Designer in ServiceNow to automate the Network Request process. The flow manages the entire lifecycle of a request — from capturing catalog variables, creating a record in the Network Database, sending notifications, requesting approvals, handling

logic conditions, and updating records — all without manual intervention.

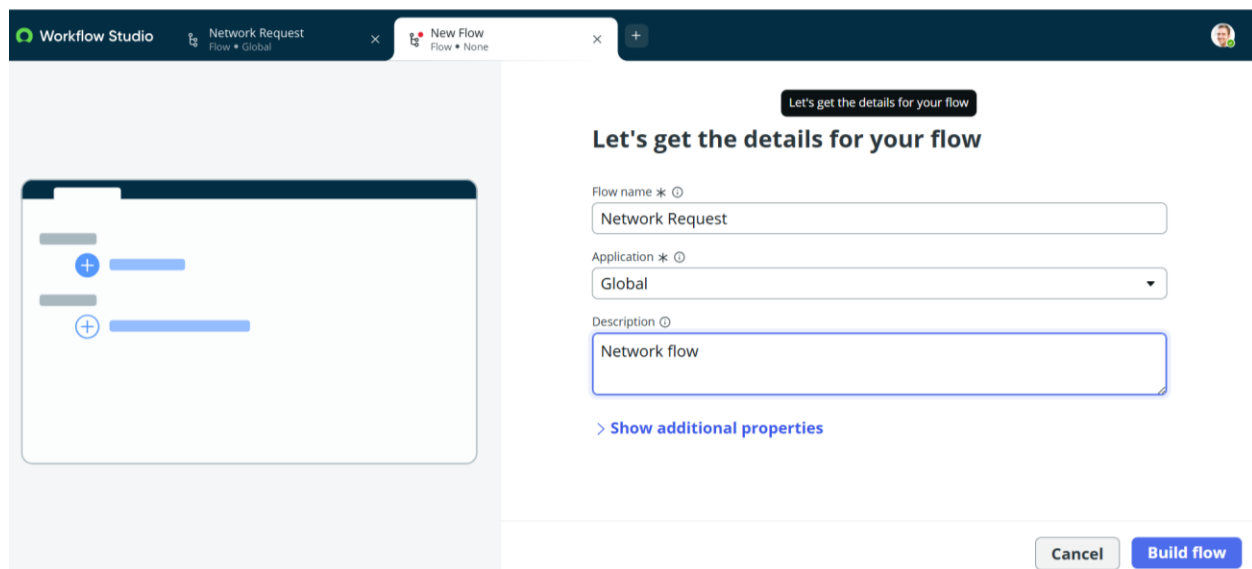
This ensures:

- Consistency in processing requests
- Faster execution
- Fewer manual errors
- Clear traceability of actions

Steps to Create the Flow

1. Creating the Flow

1. Navigate to Flow Designer home page.
2. Click New to create a new flow.
3. Enter:
 - o Flow Name: Network Request
 - o Description: (e.g., Automates network request creation, approvals, and updates.)
4. Click Build Flow.

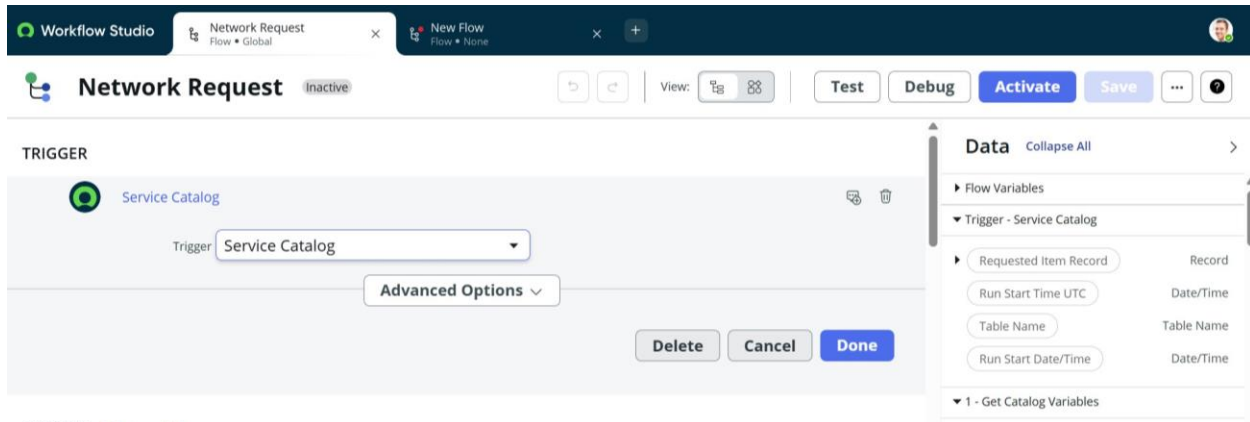


The screenshot shows the 'Workflow Studio' interface. At the top, there's a dark blue header with 'Workflow Studio' and two tabs: 'Network Request Flow • Global' and 'New Flow Flow • None'. Below the header, on the left, is a canvas with a blue bar and two plus icons. On the right, a form titled 'Let's get the details for your flow' is displayed. The form has three fields: 'Flow name *' with the value 'Network Request', 'Application *' with a dropdown menu showing 'Global', and 'Description' with the value 'Network flow'. Below these fields is a link '> Show additional properties'. At the bottom right, there are two buttons: 'Cancel' and 'Build flow'.

2. Configuring the Trigger

1. Click the (+) icon to add a trigger.
2. Select:
 - o Trigger Type: Application → Service Catalog

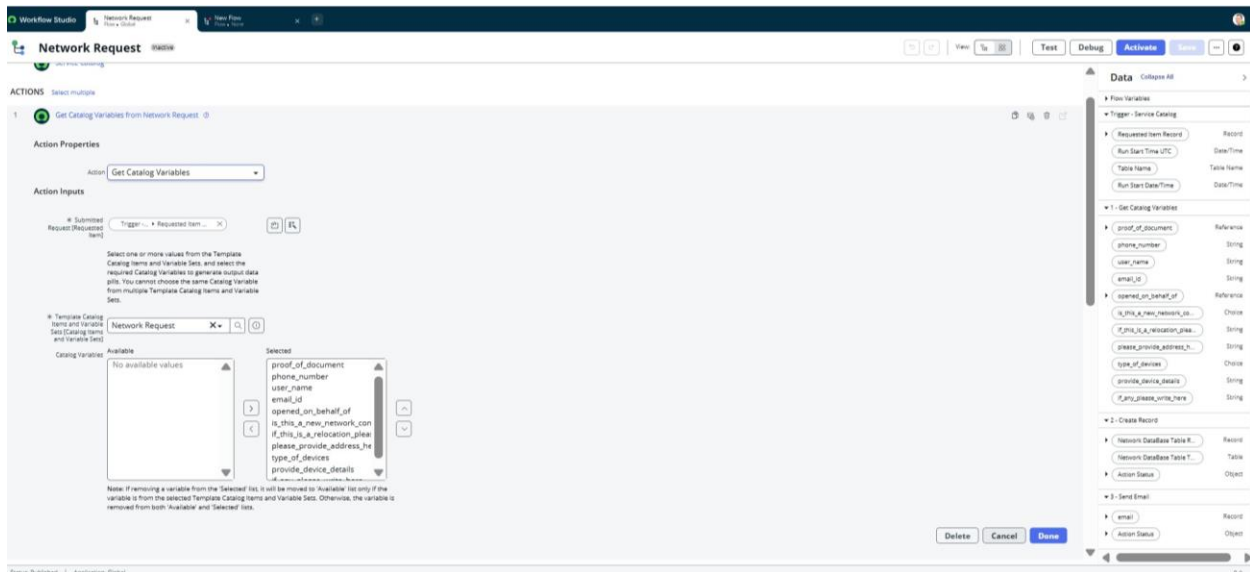
3. Click Done.



3. Adding Actions

A. Get Catalog Variables

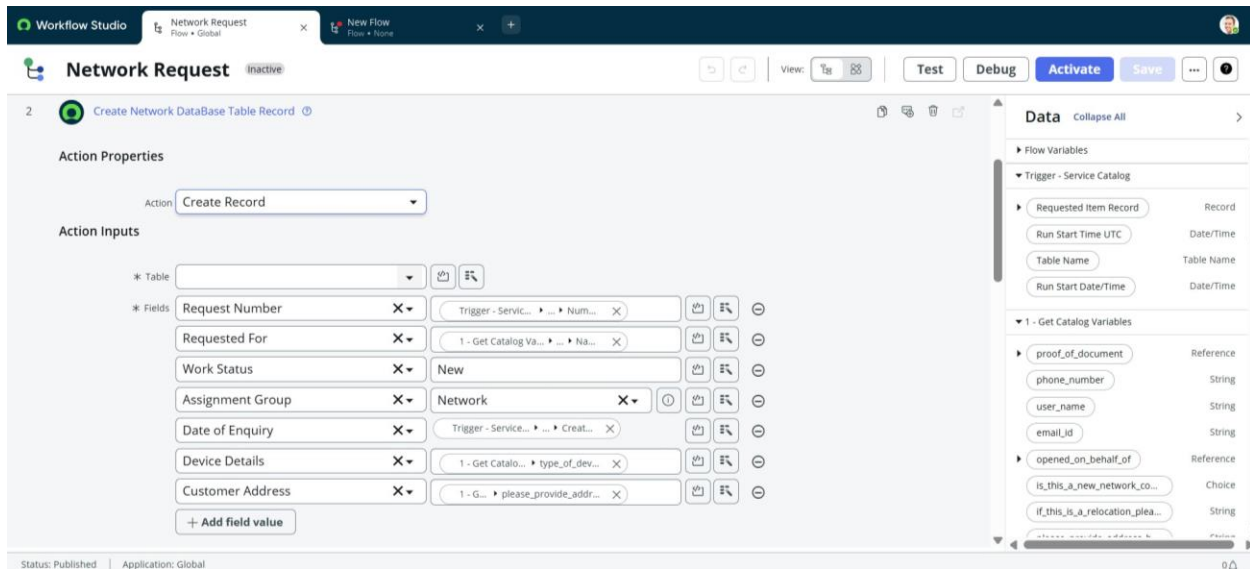
1. Click Actions.
2. Search for Get Catalog Variables.
3. Select Get Catalog Variables.
4. Configure Action Inputs:
 - o Trigger → Service Catalog → Requested Item
5. In Template catalog items:
 - o Select Table: Network Request
 - o Move required variables to the Selected area.
6. Click Done



The screenshot shows the 'Network Request' workflow in Workflow Studio. The 'Get Catalog Variables from Network Request' action is selected. The 'Action Properties' section shows the 'Action' as 'Get Catalog Variables'. The 'Action Inputs' section shows the 'Trigger' as 'Trigger - Service Catalog' and the 'Request' as 'Requested Item'. The 'Template Catalog Items and Variable Sets' section shows a list of available variables, including 'proof_of_document', 'phone_number', 'user_name', 'email_id', 'opened_on_behalf_of', 'is_this_a_new_network_co', 'if_this_is_a_relocation_plea', 'please_provide_address_the', 'type_of_device', and 'provide_device_details'. The 'Data' panel on the right shows the flow variables for the 'Trigger - Service Catalog' and the '1 - Get Catalog Variables' action.

B. Create Record

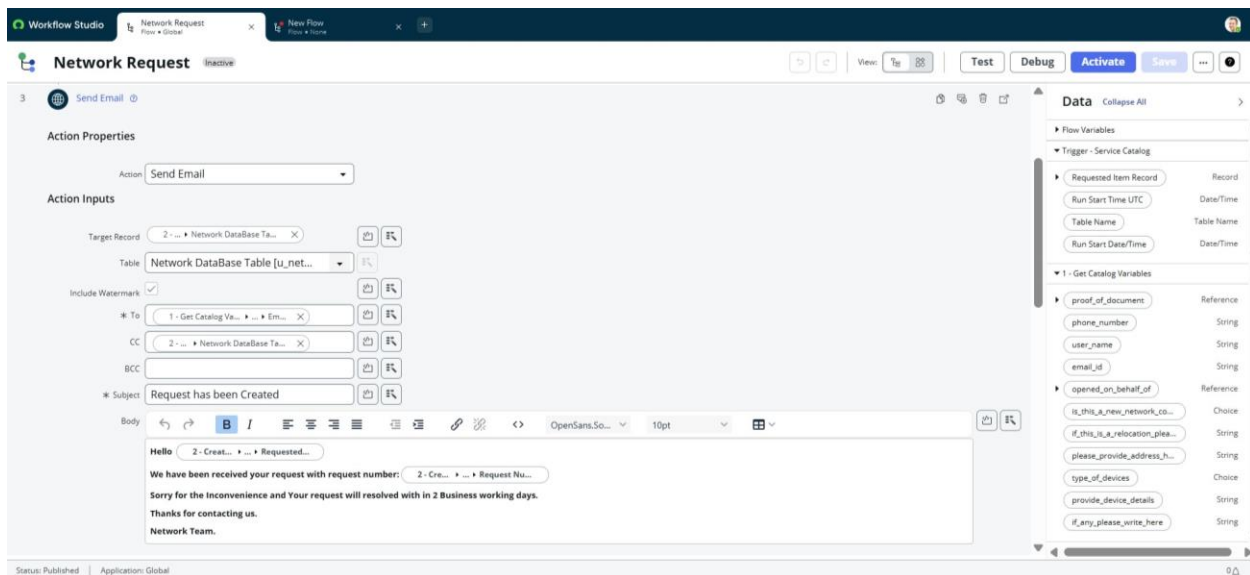
1. Add a new action → Create Record.
2. Select Table: Network Database.
3. Click Add Fields and configure:
 - o Map catalog variables to the respective table fields as per your requirements .
4. Click Done.



The screenshot shows the 'Create Network DataBase Table Record' action configuration in Workflow Studio. The 'Action Properties' section shows the 'Action' as 'Create Record'. The 'Action Inputs' section shows the 'Table' as 'Network Database Table' and the 'Fields' as 'Request Number', 'Requested For', 'Work Status', 'Assignment Group', 'Date of Enquiry', 'Device Details', and 'Customer Address'. The 'Data' panel on the right shows the flow variables for the 'Trigger - Service Catalog' and the '1 - Get Catalog Variables' action.

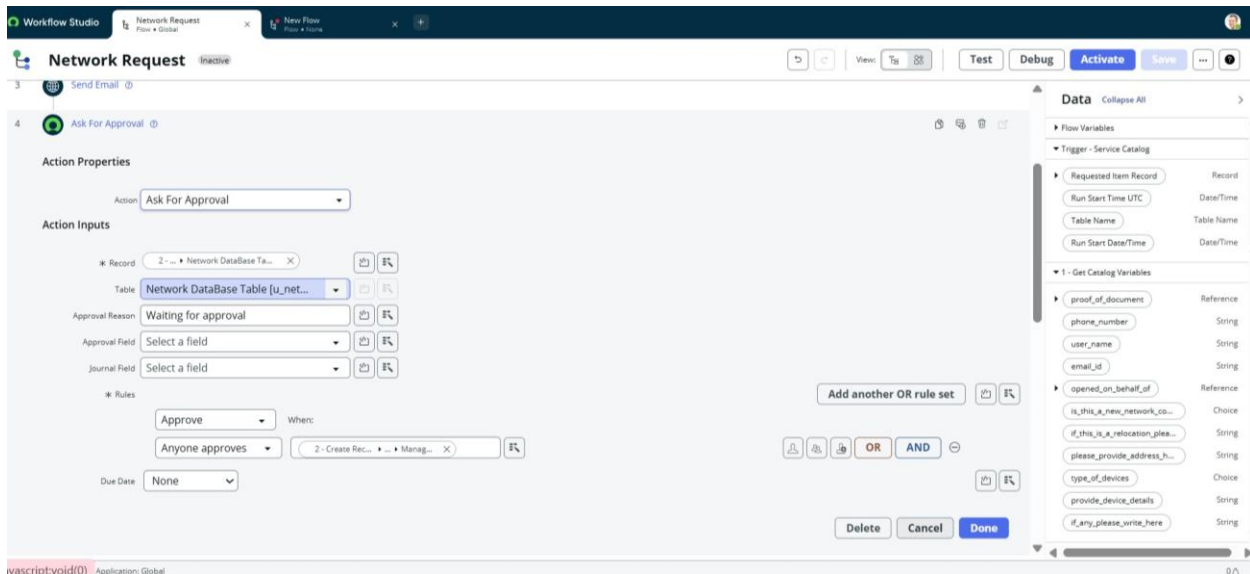
C. Send Email

1. Add a new action → Send Email.
2. Target Record: Select → Create Record → Network Database Table (auto-selected).
3. Configure:
 - o To / CC / BCC: Static or dynamic recipients.
 - o Subject & Body: Use variables and static text as shown in the design screenshot.
4. Click Done.



D. Ask for Approvals

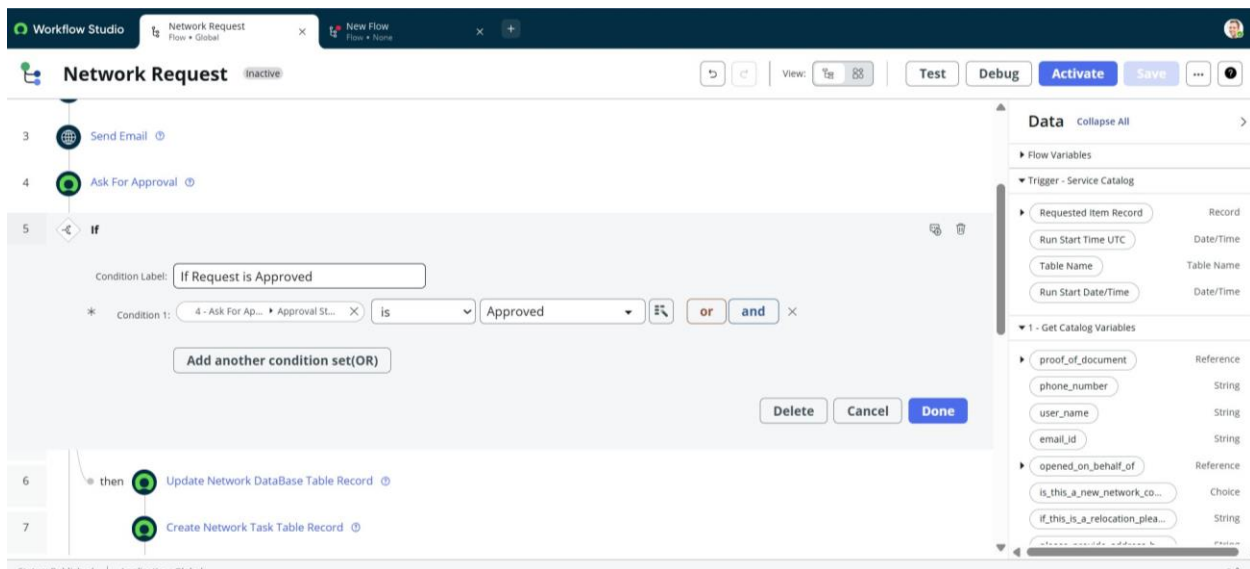
1. Add a new action → Ask for Approval.
2. Target Record: Create Record → Network Database Table.
3. Configure:
 - o Approval Reason: "Waiting for Approval".
 - o Approval Rules: Approve, Reject, Approve/Reject.
 - o Approval Type: Anyone approves, Everyone approves, etc. (static/dynamic assignment).
 - o Here we chose abel tuter
4. Click Done



The screenshot shows the 'Network Request' workflow in Workflow Studio. The 'Ask For Approval' action is selected, and its properties are being configured. The 'Action' is set to 'Ask For Approval'. The 'Table' is set to 'Network DataBase Table (u_net...)'. The 'Approval Reason' is set to 'Waiting for approval'. The 'Approval Field' and 'Journal Field' are set to 'Select a field'. The 'Rules' section shows a condition 'Approve' with the rule 'Anyone approves'. The 'Due Date' is set to 'None'. The 'Data' panel on the right shows the 'Trigger - Service Catalog' and '1 - Get Catalog Variables' sections.

E. Flow Logic (If Condition)

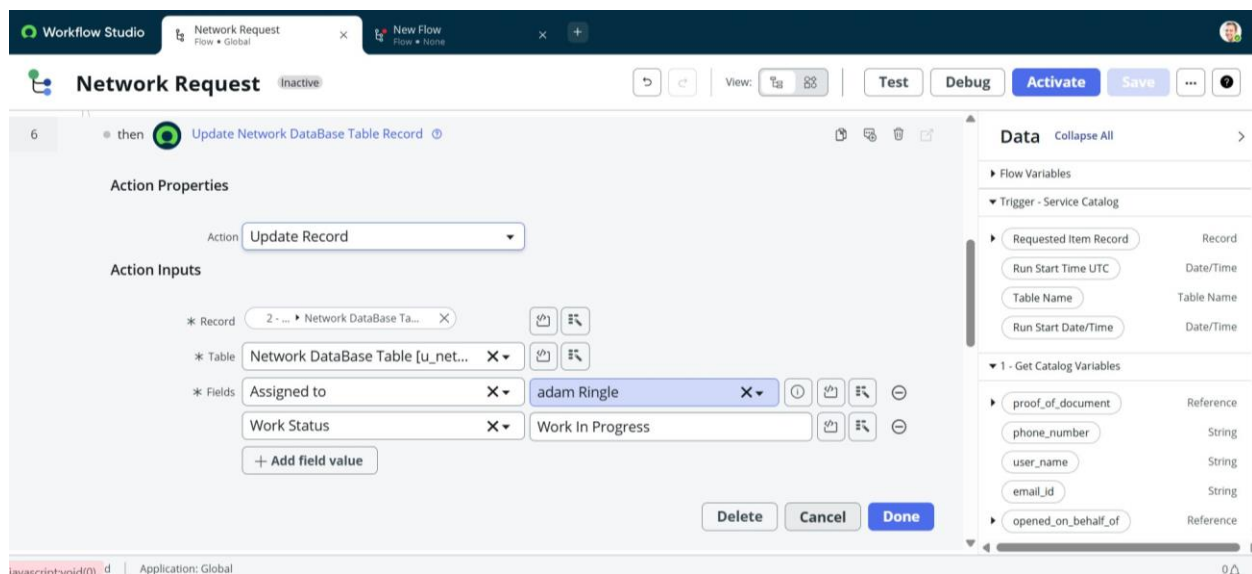
1. Add a new action → Flow Logic → If Condition.
2. Configure:
 - o Condition: "Ask for approvals" state is Approved.
3. Click Done



The screenshot shows the 'Network Request' workflow in Workflow Studio. The 'If' condition is selected, and its properties are being configured. The 'Condition Label' is set to 'If Request is Approved'. The 'Condition 1' is set to '4 - Ask For Ap... Approval ST...' with the rule 'is' and the value 'Approved'. The 'Data' panel on the right shows the 'Trigger - Service Catalog' and '1 - Get Catalog Variables' sections.

F. Update Record

1. Add a new action → Update Record.
2. Target Record: Create Record → Network Database Table (auto-selected).
3. Configure required fields (like Assigned to → Abraham Lincoln Work Status → Work in Progress).
4. Click Done.



G: Create Network Task Table Record

1. Add a new action → Create Record.
2. Select Table → Network Task Table [u_network_task].
3. Under Fields, map Service Catalog variables to the table fields:
 - o Database Number → Auto-populated (Number Maintenance / Business Rule).
 - o Request Number → Map from Catalog Variable (e.g., Request Number).
 - o Requested For → Map from Catalog Variable (Requested For).
 - o Description → Map from Catalog Variable (Description of request).
 - o Priority → Map from Catalog Variable (Priority).
 - o Assignment Group → Network Assignment Group (static or from variable).
 - o Assigned To → Leave blank initially (will be set later after approval).
4. Click Done.



Network Request

Create Network Task Table Record

Action: Create Record

Table: Network Task Table (jcn_networkk_...)

Fields:

- Default
- Default
- Default
- Default
- Default
- Default

+ Add field value

Delete Cancel Done

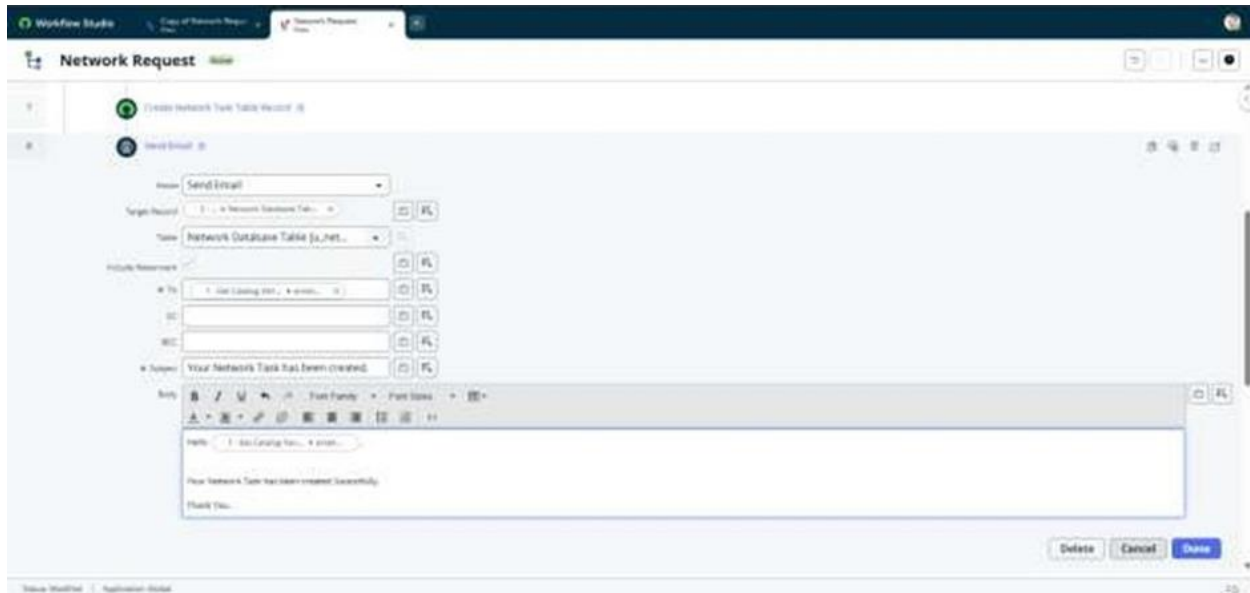
Send Email

Ask For Approval

Workflow Changer

H. Send Email (Request Created)

1. Add a new action → Send Email.
2. Target Record → Create Network Task Table Record.
3. Configure:
 - o To: Requestor / Requested For.
 - o Subject: "Your Network Task has been created."
 - o Body: Include Task Number, Database Number, Request Number.
4. Click Done.



Workflow Studio | **Network Request**

Send Email

Target Record: **Network Task Table Record**

Name: **Network Task Table (a.net...)**

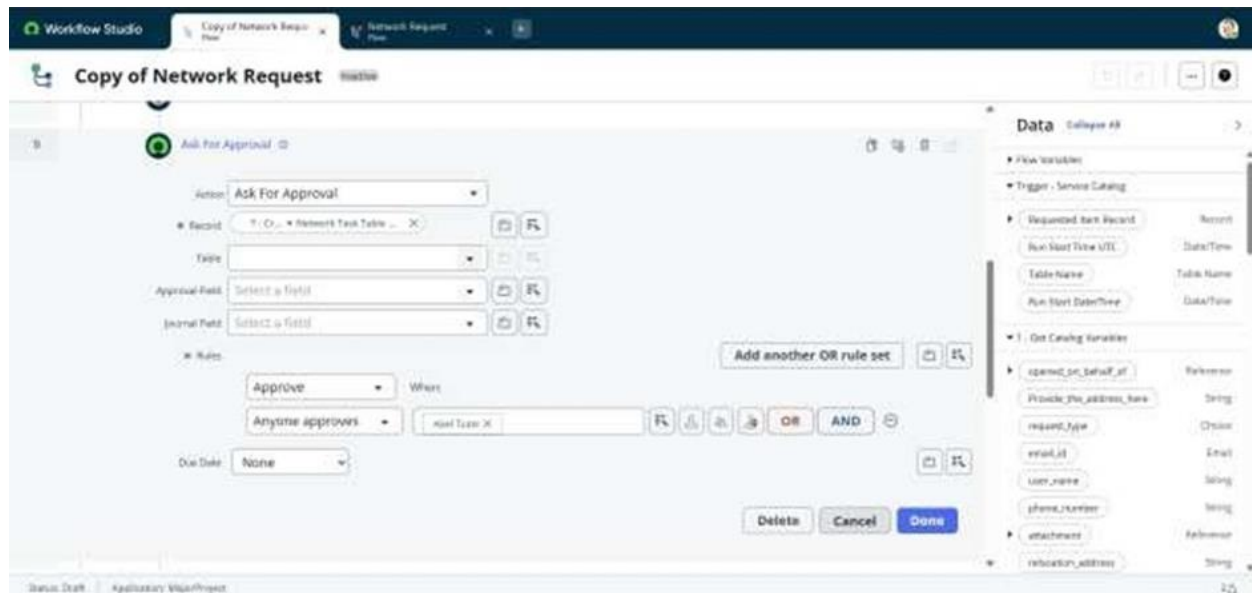
Include Reason: ☐

Body: **Your Network Task has been created.**
Thank You...

Done

I. Ask for Approval

1. Add a new action → Ask For Approval.
2. Target Record → Network Task Table Record.
3. Configure:
 - o Approval Reason: "Waiting for Network Task approval".
 - o Approval Rules: Approve / Reject.
 - o Approval Type: Choose (e.g., Anyone Approves).
4. Click Done.



J. If Condition – Approval Status Changes

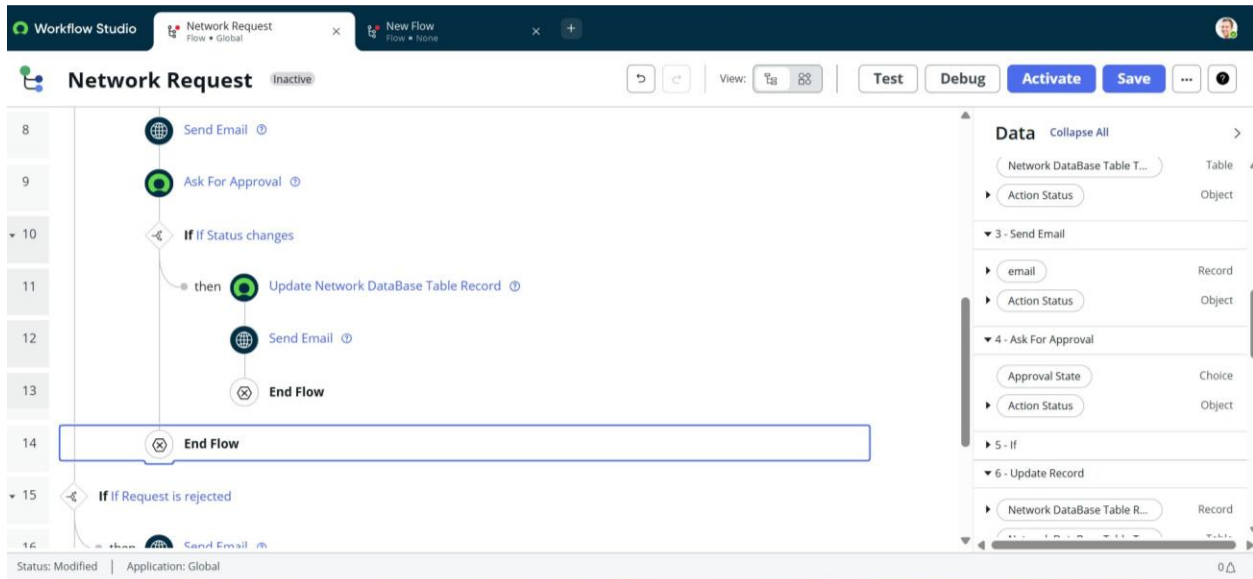
1. Add action → If Condition.
2. Condition → Approval State is Approved.
3. In the Then branch:

Update Record

- o Target Record → Network Task Table Record.
- o Update fields:
 - Assigned To → Adam Ringle.
 - Work Status → Work in Progress
- o Click Done.

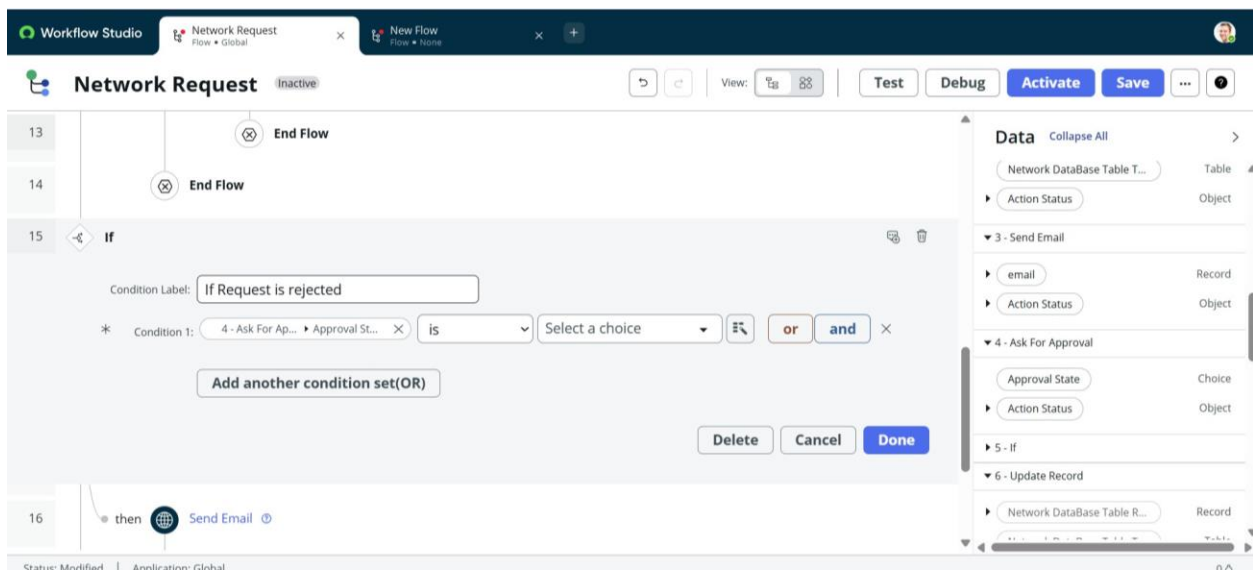
Send Email (Approved)

- o Add action → Send Email.
 - o Notify requestor that the task is approved and in progress.
- (same as above)

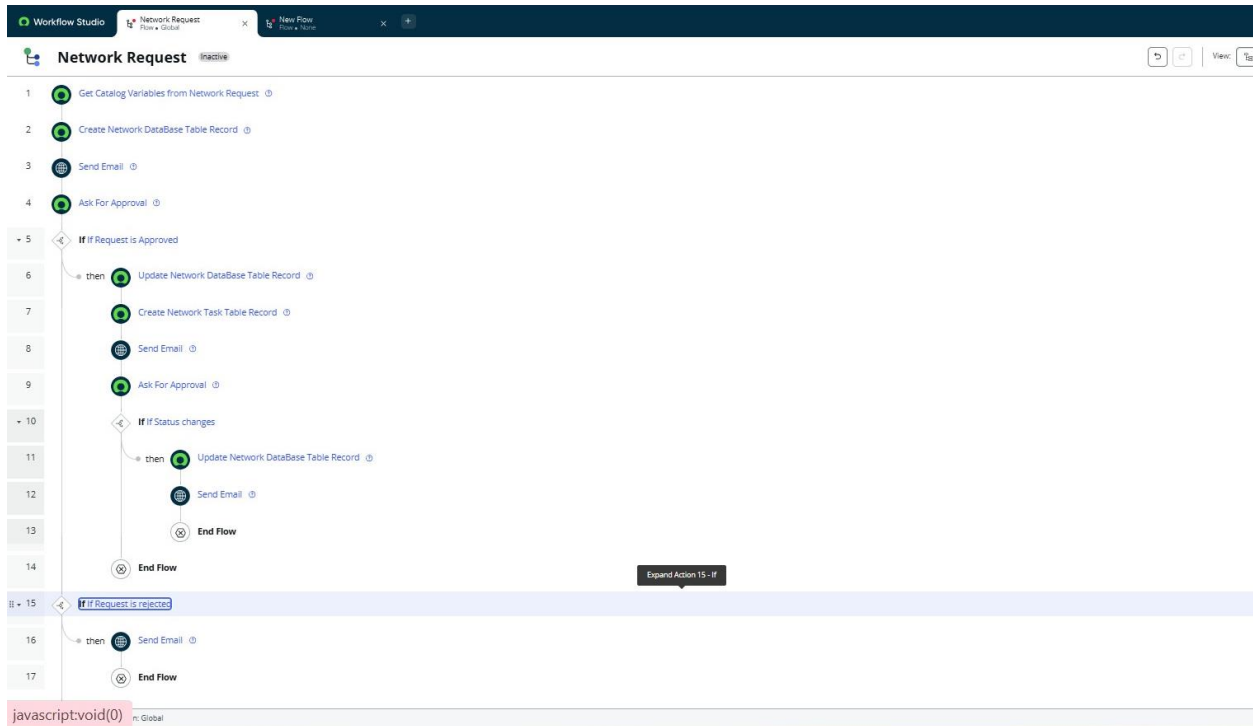


K. If Condition – Request Rejected

1. Add another If Condition for Approval State is Rejected.
2. In the Then branch:
 - Send Email (Rejected)
 - o Notify requestor that their request was rejected.
 - o Optionally include rejection comments



OVERALL FLOW:



Summary

This project delivers an efficient ServiceNow-based solution for handling network service requests. By using a dedicated service catalog, automated approval workflows, and real-time notifications, it streamlines the request process for both users and technicians. The system ensures accurate request capture, faster resolution through automation, and better visibility with reporting and SLA tracking.