

## Testing Phase-II (Testing Schduled Job)

Date	26 June 2025
Team ID	LTVIP2025TMID29726
Project Name	Asset Management Portal
Maximum Marks	4 Marks

### Testing Scheduled Job Phase

To verify the functionality of the automated warranty expiry alert script, the Scheduled Job was tested using the Background Scripts module in ServiceNow.

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### Objective

**To ensure the system correctly:**

- Identifies assets with warranty expiring within the next 30 days
  - Sends alert emails to the IT support team
  - Logs confirmation messages to the system log
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### Step-by-Step Process

**1. Navigate to:**

 All → System Definition → Scripts – Background  
or use filter: Background Scripts

**2. Paste the Scheduled Job script into the editor.**

 **Script Preview:**

servicenow

All Favorites History Workspaces Admin

ServiceNow ☆

Search

Run script (JavaScript executed on server)

```

1 var grAsset = new GlideRecord('u_asset_inventory'); // Replace with your table name
2
3 var today = new GlideDateTime();
4
5 var futureDate = new GlideDateTime();
6
7 futureDate.addDays(30); // Get date 30 days from now
8
9 grAsset.addQuery('u_warranty_expire', '<=', futureDate); // Warranty expiring within the next 30 days
10
11 grAsset.addQuery('u_warranty_expire', '>=', today);    // Warranty expiring after today
12
13 grAsset.query();
14
15 while (grAsset.next()) {
16     var email = new GlideEmailOutbound();
17
18     email.setSubject("Warranty Expiry Alert: " + grAsset.getValue('u_assest_name')); // Use getValue for dynamic field access
19
20     email.setBody("The warranty for " + grAsset.getValue('u_assest_name') + " (Type: " + grAsset.getValue('u_asset_type') +
21         " | | | ") is expiring soon on " + grAsset.getValue('u_warranty_expiry') + ". Please take action."); // Get values dynamically
22
23     email.setTo('it-support@company.com'); // Change to your IT support email
24
25     email.send();
26
27     gs.info("Email sent for assest: " + grAsset.getValue('u_assest_name')); // Log for confirmation
28 }
29
30
31
32
33
34
35

```

Run Script

in scope global Record for rollback? Execute in sandbox? Execute as scriptlet? Cancel after 4 hours

**3. Click on Run Script.**

## ✓ Expected Output

- Assets whose u\_warranty\_expire date falls within today and 30 days from now should be picked up.
- An email is generated and sent to the configured address (e.g., it-support@company.com).
- The system log should show a message like:


```
servicenow All Favorites History Workspaces Admin ServiceNow ☆ Search [0:00:00.098] Script completed in scope global: script Script execution history and recovery available here *** Script: Email sent for assest: ASUS Laptop
```



### **Validation**

- Verified that only eligible assets were processed.
  - Confirmed that the email subject and body used the correct field values.
  - Ensured no errors occurred during GlideRecord or email sending.
- 

### **Result**

 The Scheduled Job script executed as expected. It correctly filtered upcoming expiring warranties, sent notifications, and logged asset names. This confirms that automated maintenance alerts are functional and production-ready.