# Property Management Application

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## Phase 4: Process Automation - Implementation Documentation

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## 1. Overview

## 1.1 Phase Objectives

This phase implements automated business processes for the Property Management System, including:

- Automated statement generation
- Payment processing workflows
- Deposit refund approvals
- Email notifications
- Scheduled maintenance tasks

Component	Туре	Purpose
Update Statement on Payment	Record-Triggered Flow	Updates statement status when payment is received
Monthly Invoice Generation	Scheduled Flow	Generates invoices on scheduled basis
Deposit Refund Approval	Approval Process	Manages security deposit refund approvals
Rent Due Reminder	Email Template	Notifies tenants of upcoming payments
Payment Confirmation	Email Template	Confirms successful payment receipt
Statement Due Reminder	Workflow Rule	Triggers email alerts for due statements
4	•	▶

#### 2. Flow Builder Implementation

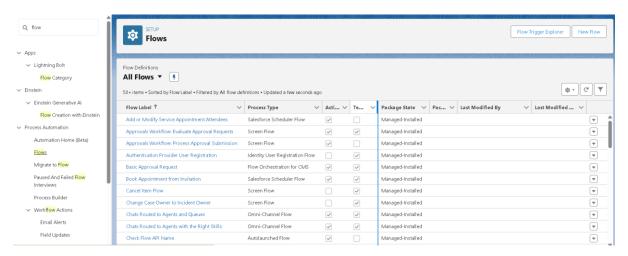
#### 2.1 Flow 1: Generate Monthly Rent Statement

#### 2.1.1 Purpose

Automatically generates monthly rent statements when a rental agreement becomes active or when the next statement date arrives.

#### 2.1.2 Navigation Path

Setup  $\rightarrow$  Process Automation  $\rightarrow$  Flows  $\rightarrow$  New Flow



## 2.1.3 Flow Configuration

Flow Type: Record-Triggered Flow

**Trigger Object**: Rental\_Agreement\_\_c

[INSERT SCREENSHOT: Flow type selection screen]

#### 2.1.4 Start Element Configuration

Setting	Value
Object	Rental_Agreementc
Trigger	A record is created or updated
Condition Requirements	All Conditions Are Met (AND)
Optimize For	Actions and Related Records
[∢	<b>▶</b>

## **Entry Conditions:**

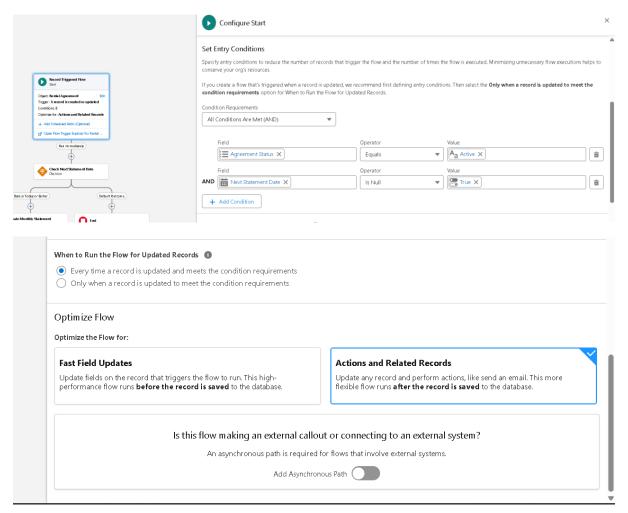
Agreement\_Status\_\_c EQUALS Active

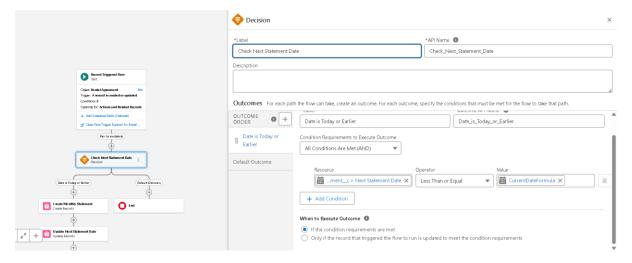
AND

(Next\_Statement\_Date\_\_c IS NULL

OR

Next\_Statement\_Date\_\_c LESS OR EQUAL TODAY())





#### 2.1.5 Flow Elements

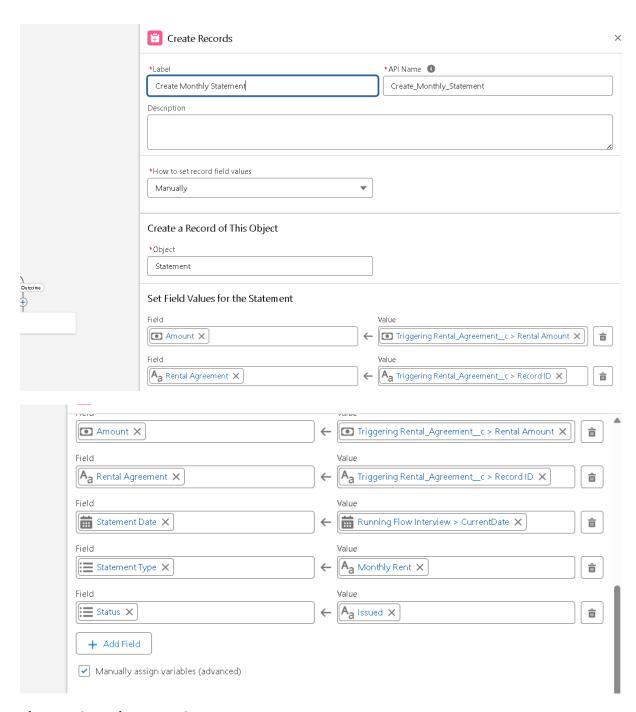
## **Element 1: Create Monthly Statement**

**Element Type**: Create Records

Property	Value
Label	Create Monthly Statement
API Name	Create_Monthly_Statement
Records to Create	One
Object	Statement_c
4	b

## Field Mappings:

- Rental\_Agreement\_\_c → {!\$Record.ld}
- Amount\_c → {!\$Record.Rental\_Amount\_c}
- Statement\_Date\_\_c → {!\$Flow.CurrentDate}
- Due\_Date\_\_c → {!\$Flow.CurrentDate} + 15
- Status\_\_c → "Issued"
- Statement\_Type\_\_c → "Monthly Rent"



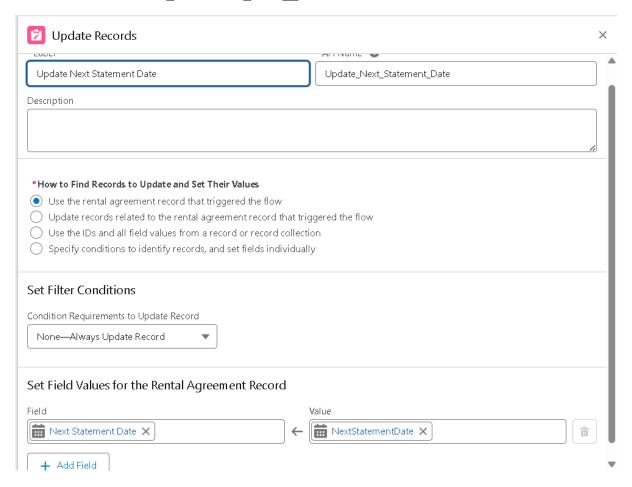
**Element 2: Update Next Statement Date** 

**Element Type**: Update Records

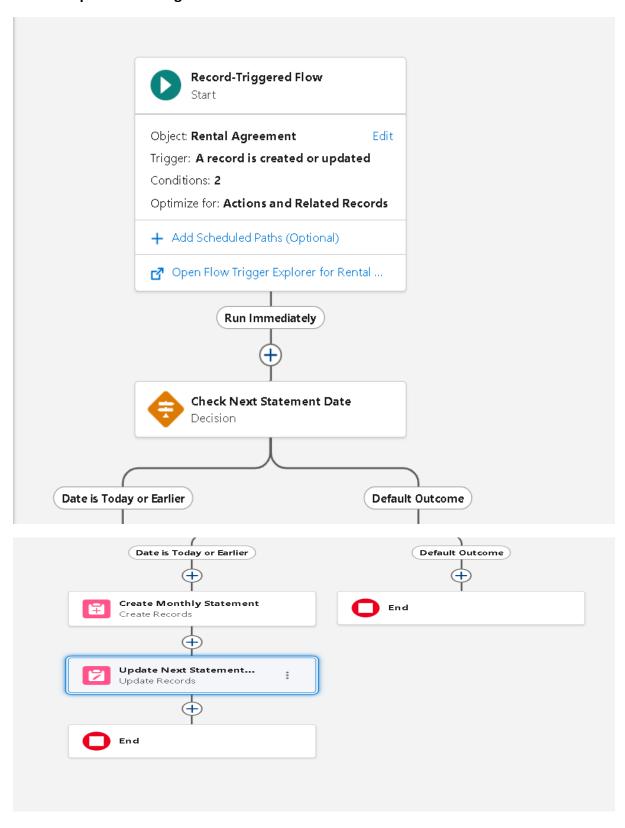
Property	Value
Label	Update Next Statement Date
API Name	Update_Next_Statement_Date
Records to Update	Use the rental agreement record that triggered the flow
4	•

## **Field Updates:**

Next\_Statement\_Date\_\_c → {!\$Flow.CurrentDate} + 30



## 2.1.6 Complete Flow Diagram



## 2.1.7 Save and Activate

Setting	Value
Flow Label	Generate Monthly Rent Statement
Flow API Name	Generate_Monthly_Rent_Statement
Description	Automatically generates monthly rent statements for active rental agreements
4	•



## 2.2 Flow 2: Update Statement Status on Payment

## 2.2.1 Purpose

Automatically updates statement status to "Paid" when full payment is received.

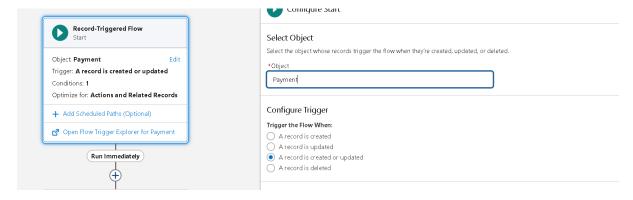
## 2.2.2 Flow Configuration

Flow Type: Record-Triggered Flow

Trigger Object: Payment\_\_c

## 2.2.3 Start Element Configuration

Setting	Value
Object	Paymentc
Trigger	Arecord is created or updated
Entry Condition	Status_c EQUALS Paid
4	<b>▶</b>



## 2.2.4 Flow Elements

#### **Element 1: Get Related Statement**

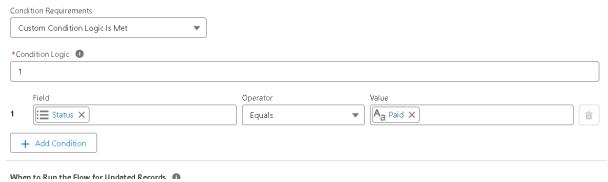
**Element Type**: Get Records

Property	Value
Label	Get Related Statement
API Name	Get_Related_Statement
Object	Statement_c
Filter Condition	Id EQUALS {!\$Record.Statement_c}
Records to Store	Only the first record
4	•

Records to Store Only the first record

## Fields Selected:

- Id
- Total\_Amount\_\_c
- Amount\_Paid\_\_c



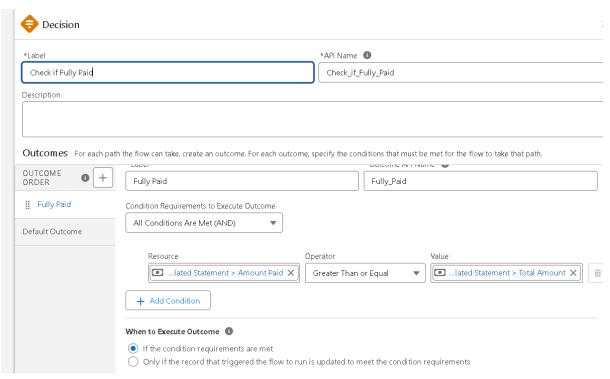
## **Element 2: Check if Fully Paid**

**Element Type**: Decision

Property	Value
Label	Check if Fully Paid
API Name	Check_if_Fully_Paid
4	▶

## **Outcome: Fully Paid**

 Condition: {!Get\_Related\_Statement.Amount\_Paid\_\_c} GREATER OR EQUAL {!Get\_Related\_Statement.Total\_Amount\_\_c}



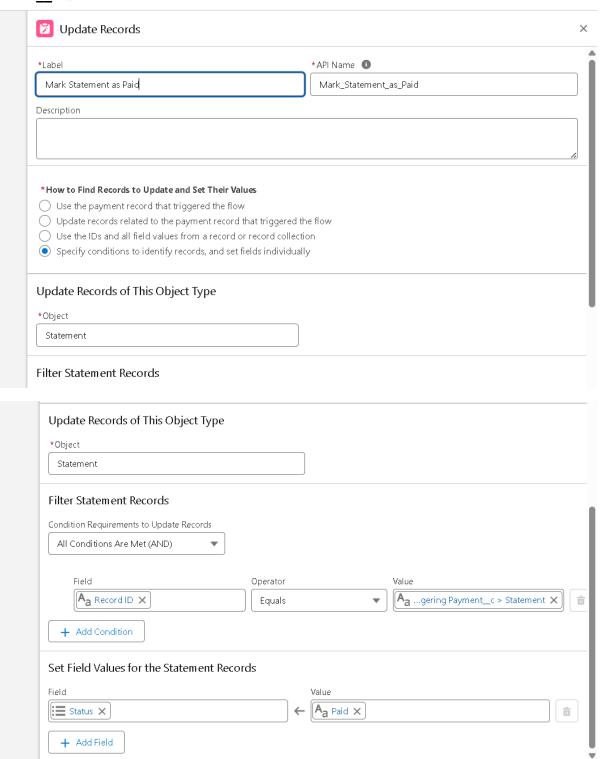
**Element 3: Mark Statement as Paid** 

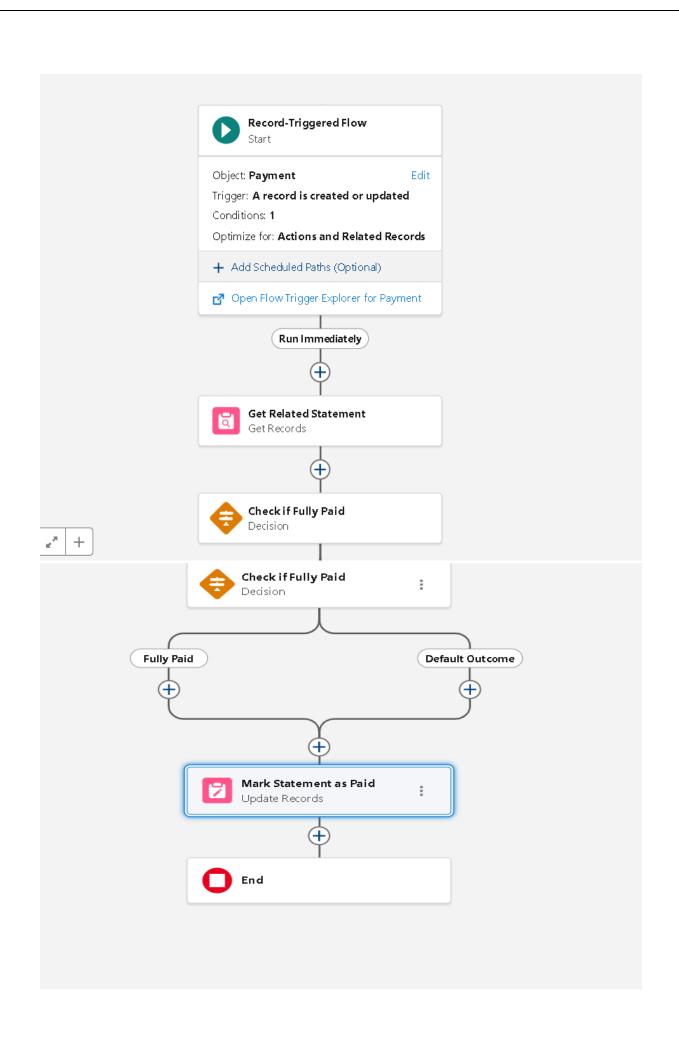
## **Element Type**: Update Records

Property	Value
Label	Mark Statement as Paid
API Name	Mark_Statement_as_Paid
Records to Update	Use IDs stored in a variable
Variable	{!Get_Related_Statement}
4	<b>•</b>

## **Field Updates:**

Status\_\_c → "Paid"





## 2.3 Flow 3: Monthly Invoice Generation (Scheduled)

#### 2.3.1 Purpose

Generates invoices automatically on a monthly schedule for all active rental agreements.

## 2.3.2 Flow Configuration

Flow Type: Schedule-Triggered Flow

## 2.3.3 Schedule Configuration

Setting	Value
Start Date	First day of next month
Frequency	Monthly
Start Time	1:00 AM
Object	Rental_Agreementc
◀	<b>▶</b>

#### **Entry Conditions:**

Agreement\_Status\_\_c EQUALS Active

AND

Next\_Statement\_Date\_\_c EQUALS TODAY()

## 2.3.4 Flow Logic

### **Process:**

- 1. Loop through all matching rental agreements
- 2. Create statement for each agreement
- 3. Send email notifications

View: All Email Alerts ✔ Create New View New Email Alert Last Modified Date Scheduler Payments: Service Appointment Cancellation Email Rental Agreement 9/28/2025 Support: Case Response Rental Agreement 9/28/2025 Edit | Del Payment Confirmation Alert Payment 9/28/2025 Payment Confirmation Edit | Del Send Rent Due Reminder Rent Due Reminder

A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | Other | All

## 3. Approval Process

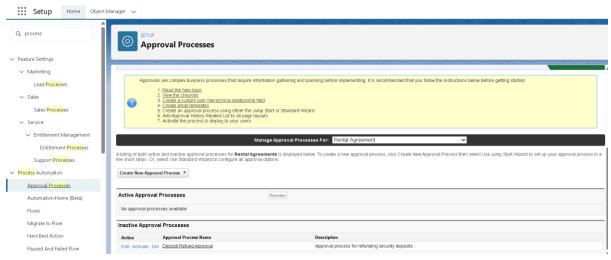
## 3.1 Deposit Refund Approval Process

#### 3.1.1 Purpose

Manages the approval workflow for security deposit refunds when rental agreements are terminated.

#### 3.1.2 Navigation Path

Setup  $\rightarrow$  Process Automation  $\rightarrow$  Approval Processes



#### 3.1.3 Process Setup

**Object**: Rental\_Agreement\_\_c

Method: Jump Start Wizard

### 3.1.4 Process Definition

Setting	Value
Process Name	Deposit Refund Approval
Unique Name	Deposit_Refund_Approval
Description	Approval process for refunding security deposits
◀	<b>•</b>



## 3.1.5 Entry Criteria

Agreement\_Status\_\_c EQUALS Terminated

AND

Deposit\_Refund\_Amount\_\_c GREATER THAN 0

## 3.1.6 Approver Assignment

Setting	Value
Assignment Method	Automatically assign to approver
Approver Type	User
Approver	Property Manager or Finance Manager Role
[ ◀	• • • • • • • • • • • • • • • • • • •

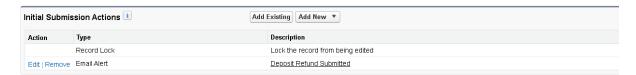
## 3.1.7 Approval Actions

## **Initial Submission Actions**

Action: Email Alert

Recipients: Submitter

• Template: Deposit Refund Submitted



# **Final Approval Actions**

Action 1: Field Update

Field: Deposit\_Status\_\_c

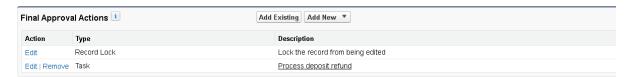
Value: Approved

Action 2: Task

Assigned To: Finance Team

Subject: Process deposit refund

• Due Date: Today + 3 days



# **Final Rejection Actions**

Action: Email Alert

Recipients: Submitter

• Template: Deposit Refund Rejected



# 3.1.8 Additional Settings

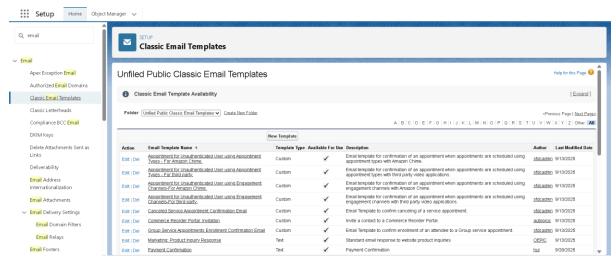
Setting	Value
Record Editability	Administrator Only
4	<b>•</b>

### 4. Email Alerts & Templates

#### 4.1 Email Templates

#### 4.1.1 Navigation Path

Setup → Communication Templates → Email Templates



#### 4.1.2 Template 1: Rent Due Reminder



## **Template Configuration:**

Setting	Value
Template Type	Text
Template Name	Rent Due Reminder
Description	Monthly rent due reminder for tenants
Subject	Rent Payment Due - {!Contact.Name}
4	•

## **Email Body:**

Dear {!Contact.Name},

This is a friendly reminder that your rent payment is due.

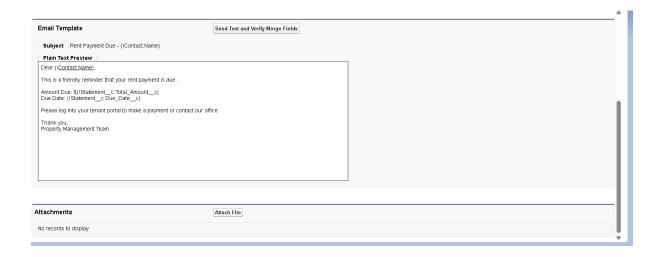
Amount Due: \${!Statement\_\_c.Total\_Amount\_\_c}

Due Date: {!Statement\_\_c.Due\_Date\_\_c}

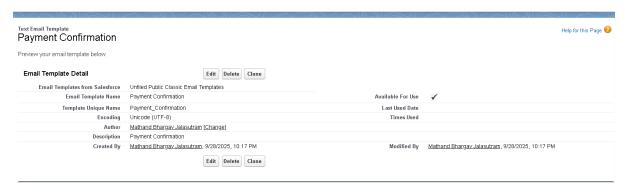
Please log into your tenant portal to make a payment or contact our office.

Thank you,

**Property Management Team** 



## 4.1.3 Template 2: Payment Confirmation



## **Template Configuration:**

Setting	Value
Template Type	Text
Template Name	Payment Confirmation
Description	Payment received confirmation
Subject	Payment Received - Thank You!
4	<b>▶</b>

## **Email Body:**

Dear {!Contact.Name},

We have successfully received your payment.

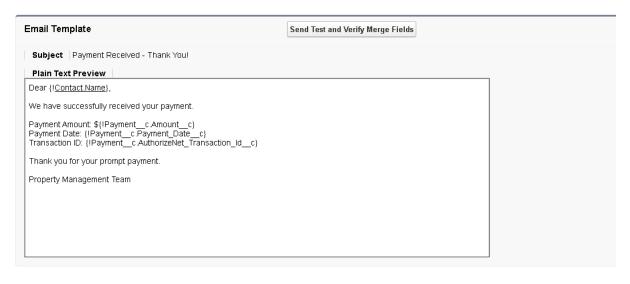
Payment Amount: \${!Payment\_\_c.Amount\_\_c}

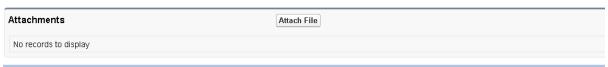
Payment Date: {!Payment\_\_c.Payment\_Date\_\_c}

Transaction ID: {!Payment\_\_c.AuthorizeNet\_Transaction\_Id\_\_c}

Thank you for your prompt payment.

#### **Property Management Team**





#### 4.2 Email Alerts

## 4.2.1 Navigation Path

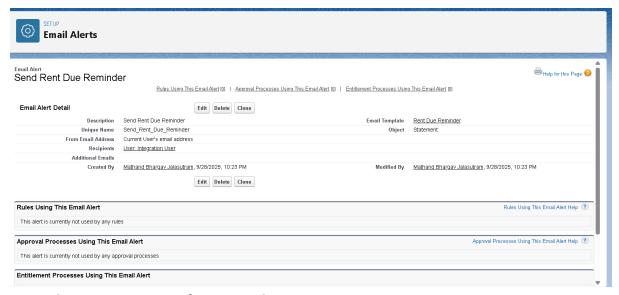
Setup → Process Automation → Workflow Rules → Email Alerts

#### 4.2.2 Alert 1: Send Rent Due Reminder

Setting	Value
Description	Send Rent Due Reminder
Unique Name	Send_Rent_Due_Reminder
Object	Statement_c
Email Template	Rent Due Reminder
4	•

## Recipients:

• Rental Agreement: Renter (Contact)

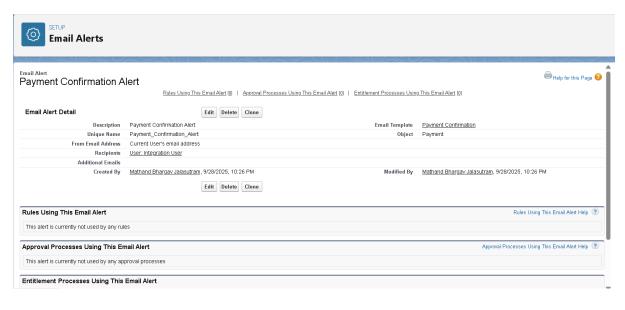


## 4.2.3 Alert 2: Payment Confirmation Alert

Setting	Value
Description	Payment Confirmation Alert
Unique Name	Payment_Confirmation_Alert
Object	Paymentc
Email Template	Payment Confirmation
■	•

## Recipients:

• Statement: Rental Agreement: Renter (Contact)



#### 5. Workflow Rules

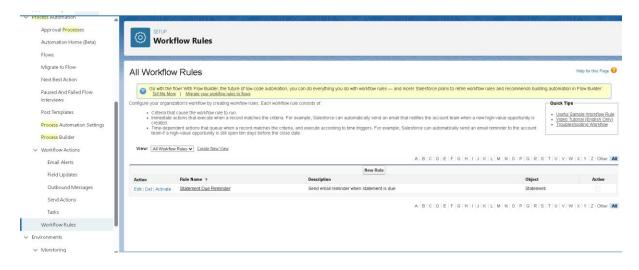
#### 5.1 Statement Due Reminder Workflow

#### 5.1.1 Purpose

Sends automated email reminders 3 days before statement due date.

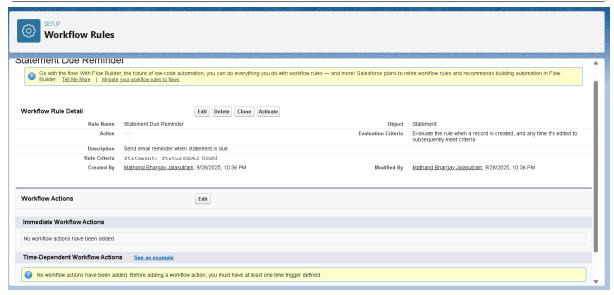
## 5.1.2 Navigation Path

Setup → Process Automation → Workflow Rules



## 5.1.3 Rule Configuration

Setting	Value
Object	Statement_c
Rule Name	Statement Due Reminder
Description	Send email reminder when statement is due
Evaluation Criteria	Every time a record is created or edited
4	



#### 5.1.4 Rule Criteria

Status\_c EQUALS Issued

AND

Due\_Date\_\_c EQUALS TODAY() + 3

#### **5.1.5 Workflow Actions**

Action Type: Email Alert

Selected Alert: Send Rent Due Reminder