Using Force.com Outbound Messaging for Real-time Push Integration

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Overview

About reliable delivery

Key concepts in Outbound Messaging

Securing Outbound Messaging solutions

Flow for creating Outbound Messages
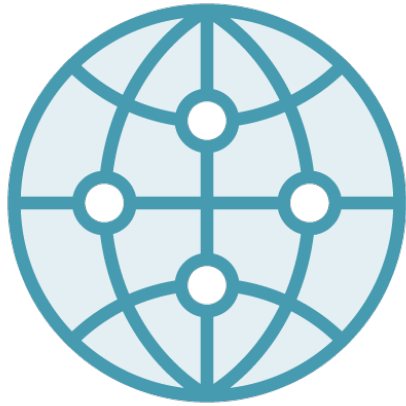
Configuring clients

Tracking messages

Summary

Outbound Messaging

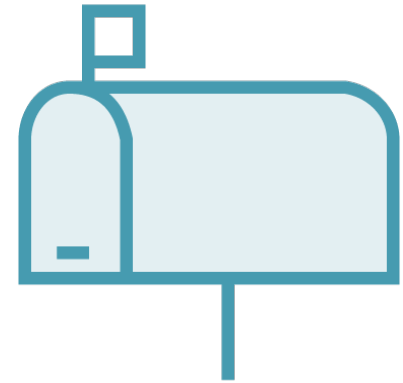React to data changes by triggering messages to Internet-facing endpoints.

About Reliable Delivery

Communicating across unreliable channels

Expect at-least-once delivery

Enabled through asynchronous queuing

Key Concepts in Outbound Messaging

Triggered by workflow rules based on field changes

Message reliably sent to endpoint

Listeners implement WSDL

Support for callbacks
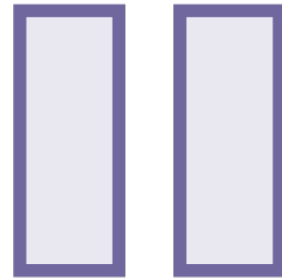
When Do You Use It?

Replace polling-based solutions

Create real-time, responsive cloud systems

Trigger business activities

Securing Outbound Messaging Solutions

SSL / TLS endpoint
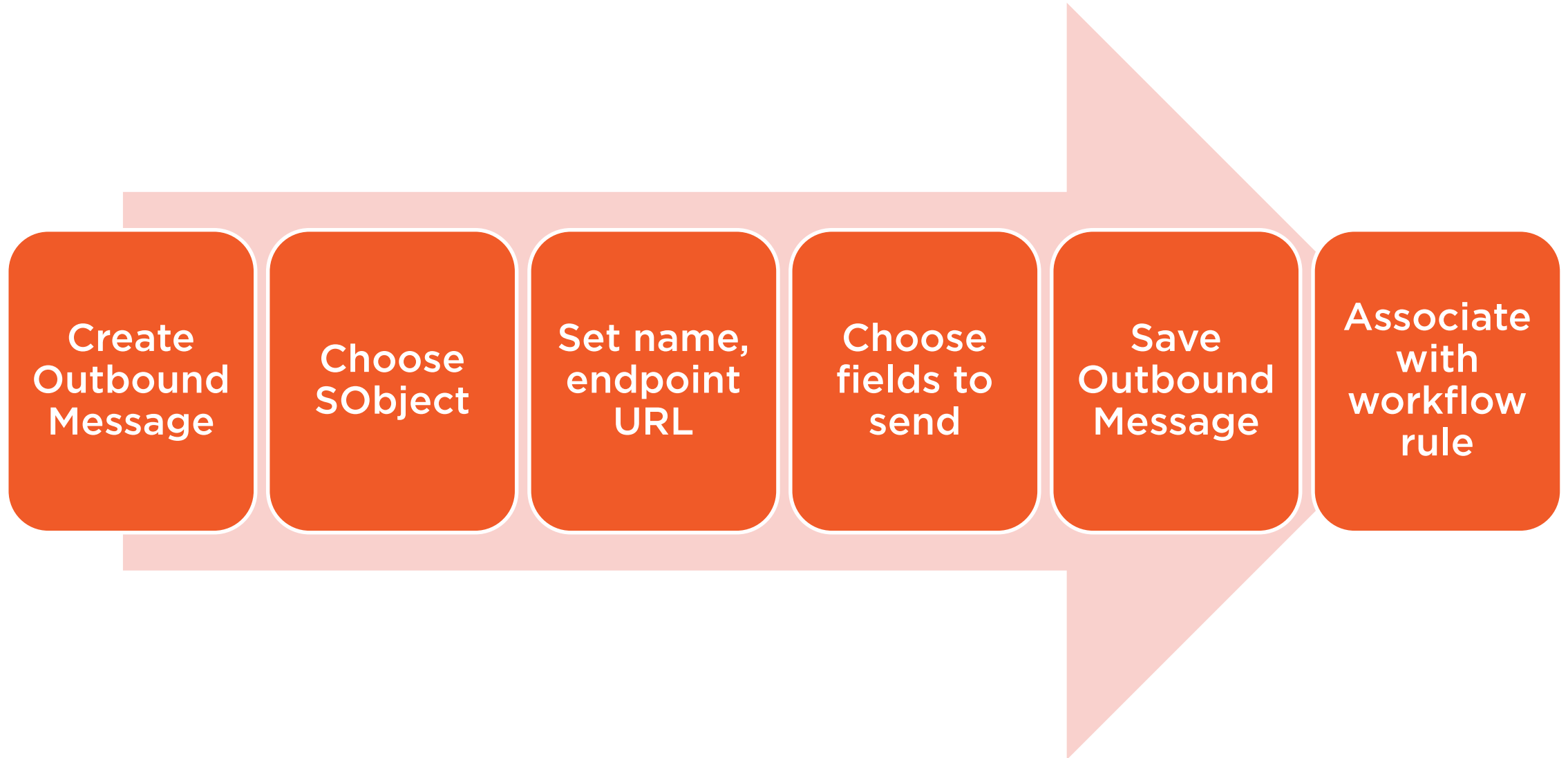
Whitelist Salesforce IP addresses in client listener

Validate against Salesforce certificate

Flow for Creating Outbound Messages

| Create Outbound Message | Choose SObject | Set name, endpoint URL | Choose fields to send | Save Outbound Message | Associate with workflow rule |

Demo

Create Outbound Message for Voter object

Set placeholder endpoint URL

Choose subset of fields

Associate with Workflow Rule

Configuring Clients

WSDL for Outbound Message

Implement service definition

Configure acknowledgement

Deploy to Internet-accessible host

Demo

Review endpoint WSDL

Look at Node.js application

Deploy application to cloud host

Trigger Outbound Message

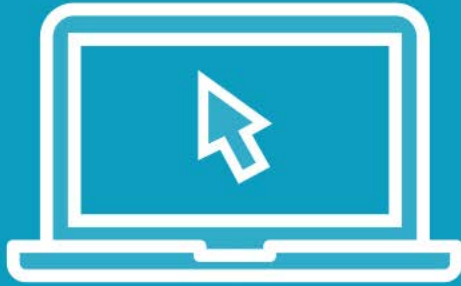# Tracking Outbound Messages

View items queued for delivery

Observe any failures

Edit or delete items in the queue

Manually retry or wait for automatic interval

Demo

- Disable client application
- Trigger Outbound Message
- Observe queued message
- Enable client application
- Manually resume the Outbound Message

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