

salesforce

Lightning Messaging Utility

Give your users the right message at the right time!



Setup Guide



Introducing Lightning Messaging Utility

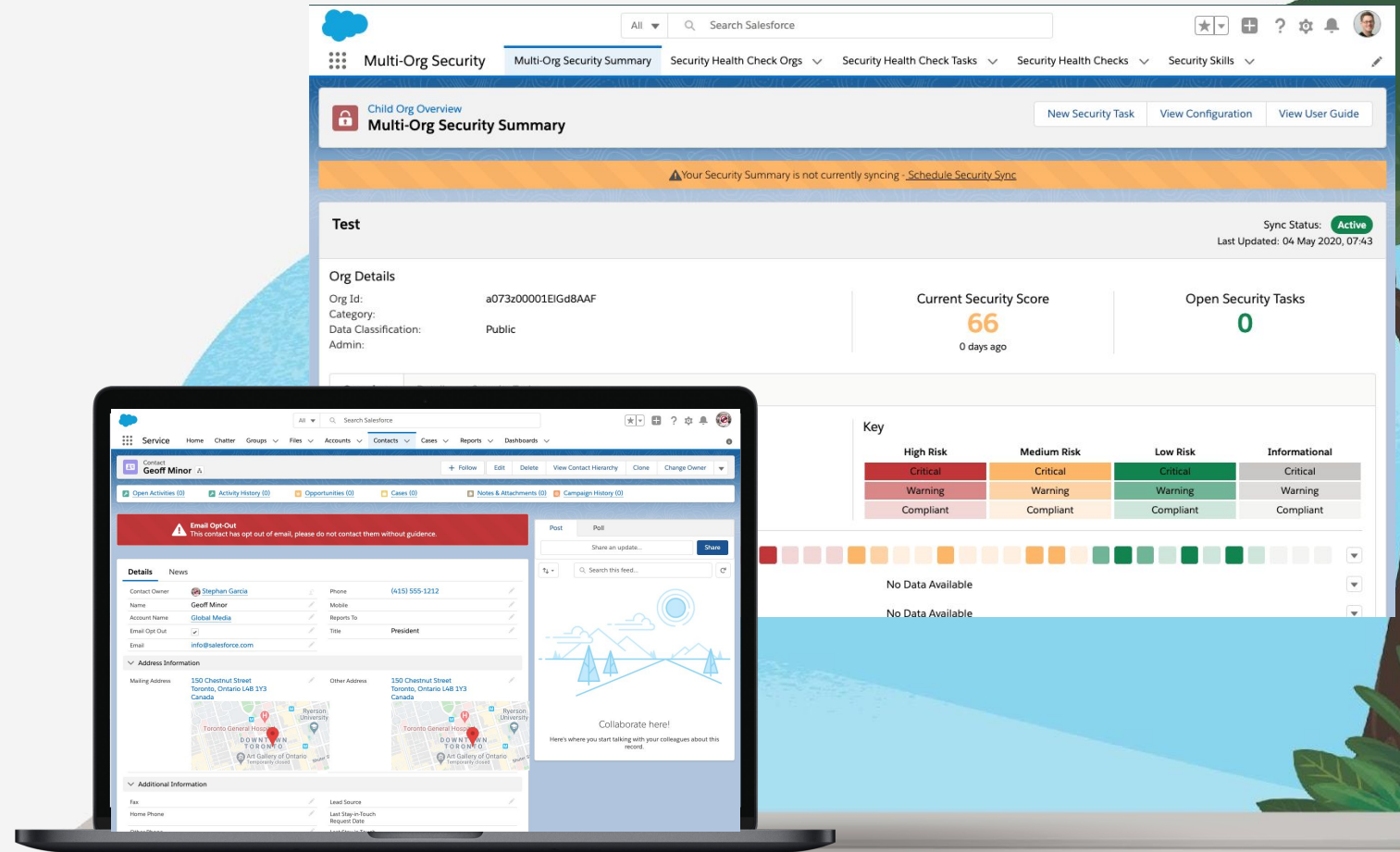


Simple messaging to keep your users informed

Lightning web component

Fully customizable

Built for Admins AND Developers

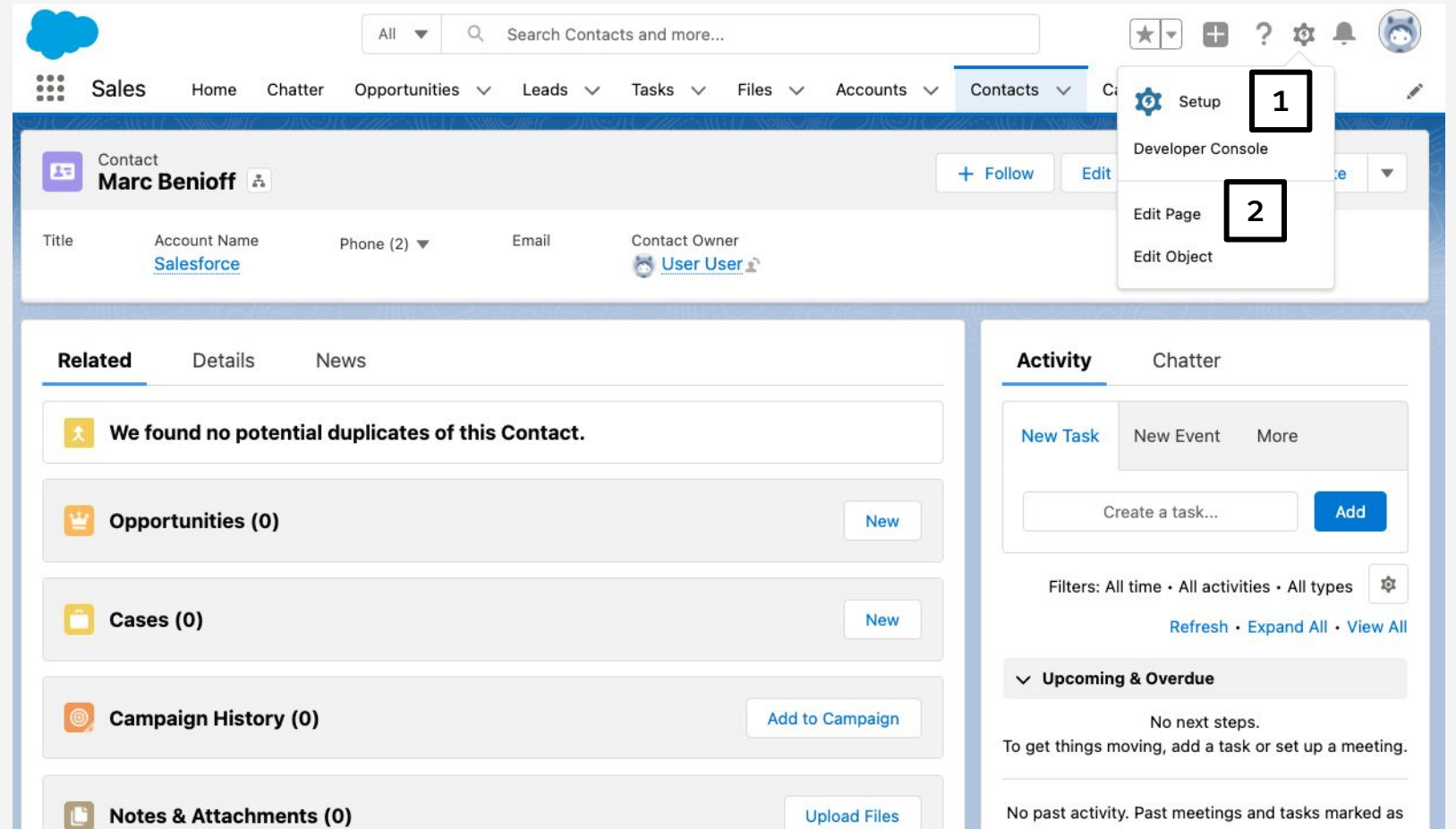


Using Lightning Messaging Utility



Lightning Messaging Utility is a Lightning Web Component that can be used in the Lightning App Builder or Experience Builder.

To get Started - you can go onto any record page - and at the top right of the page select the **setup(1)** menu at the top. Then click **Edit Page(2)** lightning app builder.



Using Lightning Messaging Utility



Next - You can drag the LWC Messaging Utility(1) from the sidebar onto the page. (2)

From here, you can follow steps in the instructions on how to configure your message.

The screenshot shows the Salesforce Lightning App Builder interface. The top navigation bar includes 'Lightning App Builder', 'Pages', and 'Contact Record Page'. The left sidebar contains a 'Components' panel with a search bar and a list of components. The 'Custom - Managed (1)' section is expanded, showing the 'LWC Messaging Utility' component, which is highlighted with a red box labeled '1'. The main workspace shows a 'Contact Record Page' for 'Marc Benioff'. A red box labeled '2' highlights the 'LWC Messaging Utility' component being dragged onto the page. The right sidebar shows the configuration for the 'LWC Messaging Utility' component. The 'Message Type' is set to 'alert', and the 'Show Message' checkbox is checked, highlighted with a red box labeled '3'. Other configuration options include 'Allow Close', 'Max width (%)', 'Message Title', 'Message Body', 'Message Variant', 'Show Icon', 'Icon Name' (set to 'utility:check'), 'Icon Size' (set to 'small'), and 'Icon Variant'.

Tip: Set show message to true to show the message in the UI.(3)

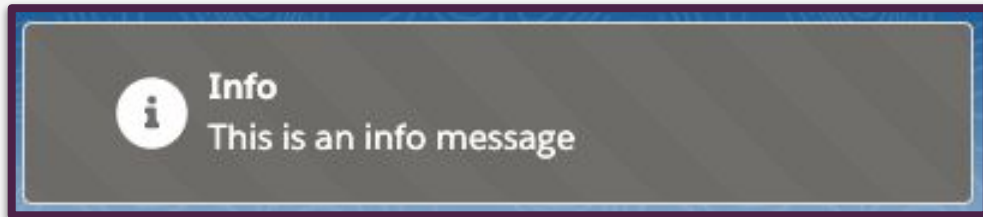
4 Available Messaging Types



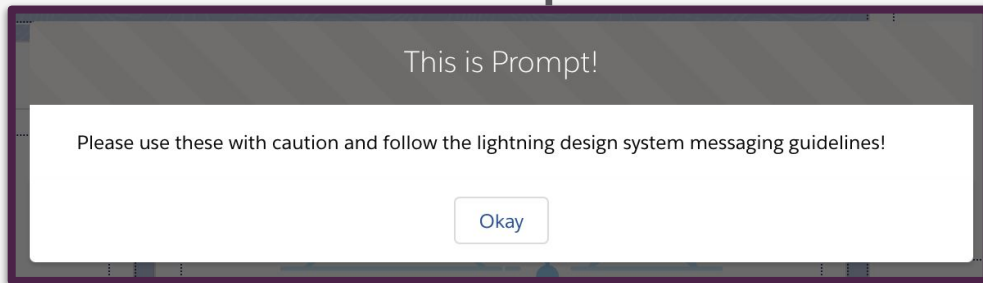
Alert



Inline Text



Prompt



Illustration



Messaging Types

Alert

Required Attributes

messageType = 'alert'

messageBody = the message displayed

messageVariant = info, warning, error or offline.

Optional Attributes

showIcon = True or False

iconName = from SLDS - ie. 'utility:error'

iconSize = the icon size

iconVariant = the icon variant

iconAlternativeText = the alternative text to the icon

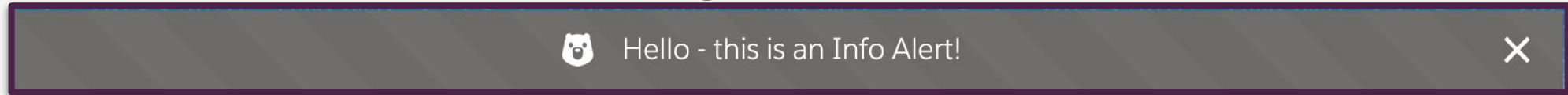


Messaging Types



Alert Variants

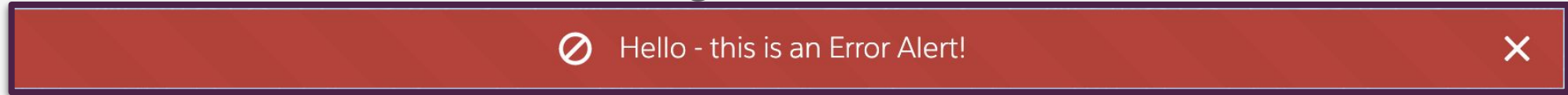
Message Variant = info



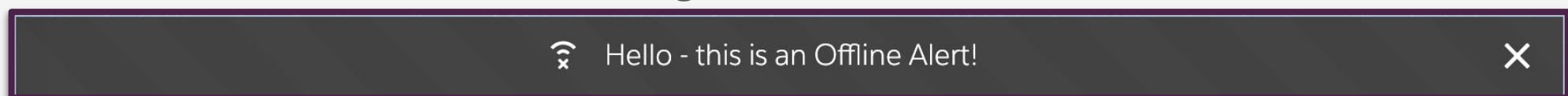
Message Variant = warning



Message Variant = error



Message Variant = offline



Messaging Types

Inline Text

Required Attributes

messageType = 'inline'

messageTitle = the message title displayed

messageBody = the message displayed

messageVariant = info, warning, error or success.

Optional Attributes

showIcon = True or False

iconName = from SLDS - ie. 'utility:error'

iconSize = the icon size

iconVariant = the icon variant

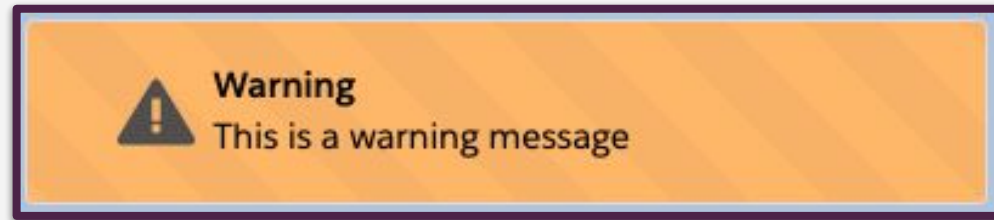
iconAlternativeText = the alternative text to the icon



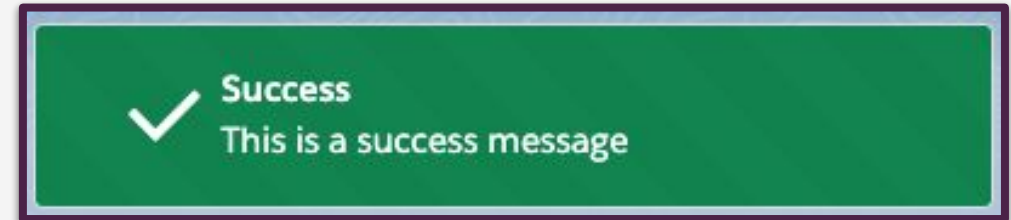
Messaging Types

Inline Text Variants

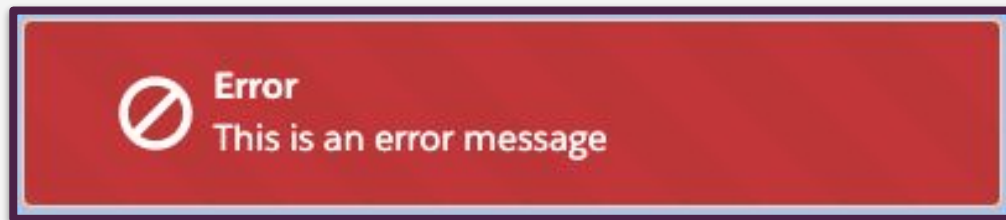
Message Variant = warning



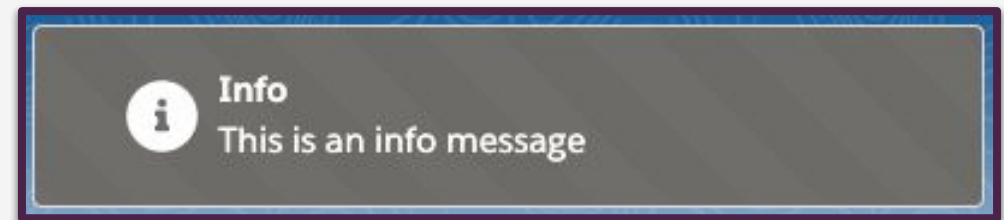
Message Variant = offline



Message Variant = error



Message Variant = info





Messaging Types

Illustration

Required Attributes

illustrationName = The name of the illustration

Optional Attributes

messageTitle = the message title displayed

messageBody = the message displayed

<https://www.lightningdesignsystem.com/guidelines/messaging/components/illustrations/>



Messaging Types



Illustration Variants

Illustration Name - camping

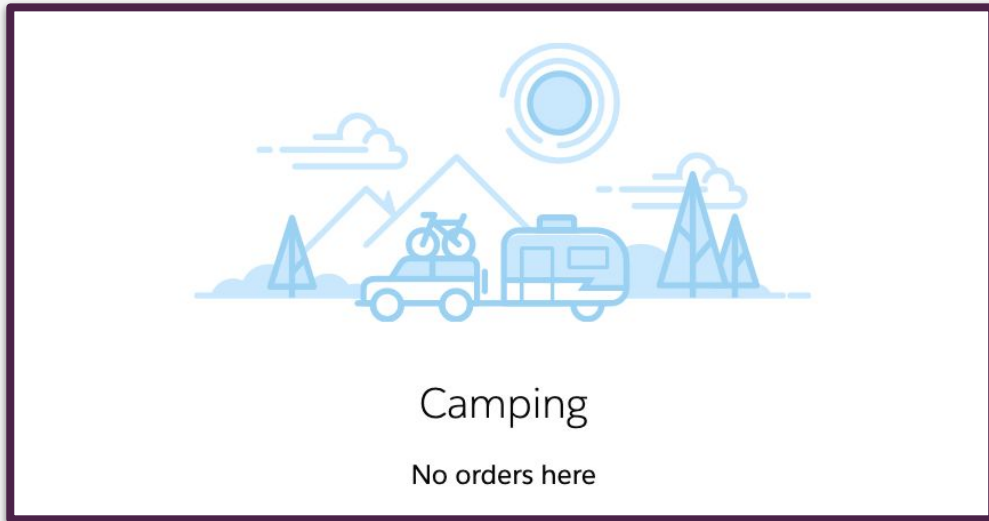
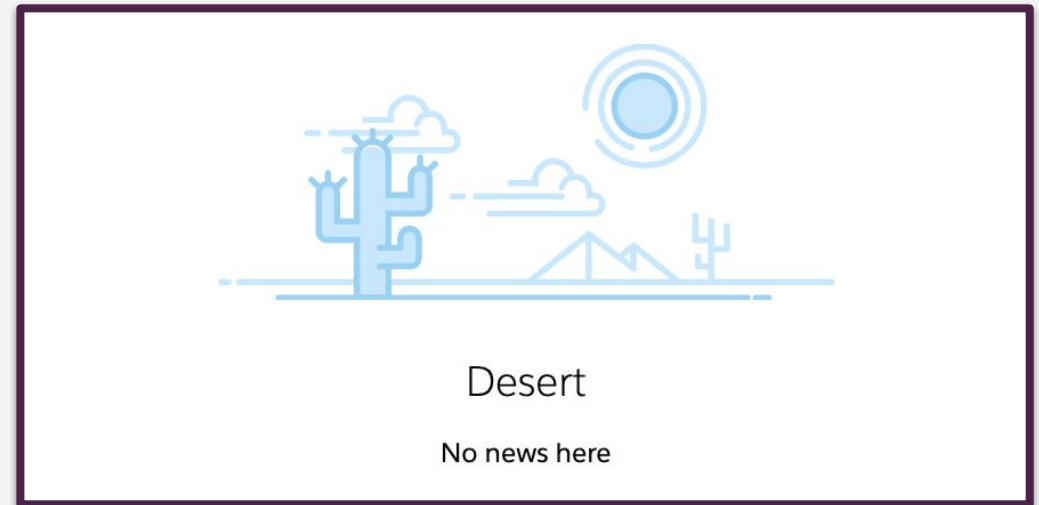


Illustration Name - desert



Messaging Types



Illustration Variants

Illustration Name - camping

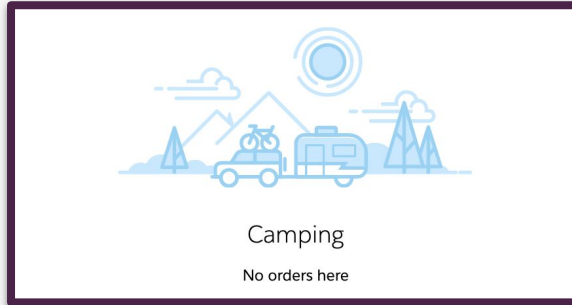


Illustration Name - desert

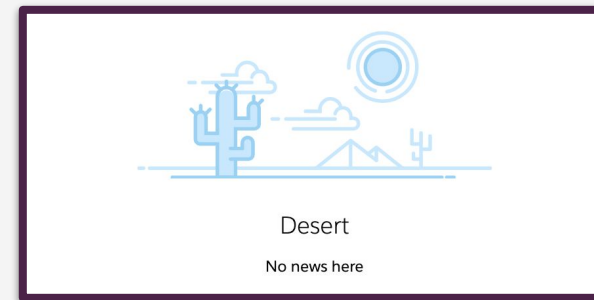


Illustration Name - empty

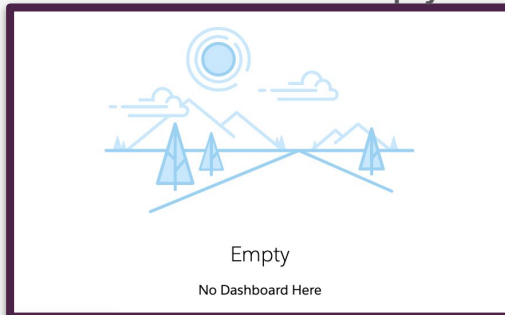


Illustration Name - mountain

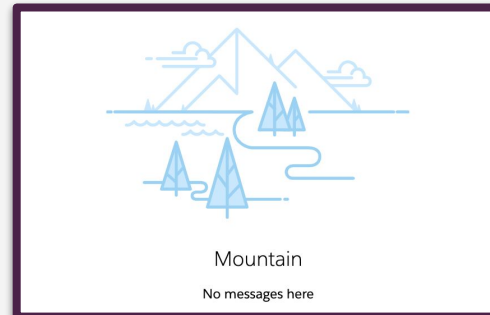
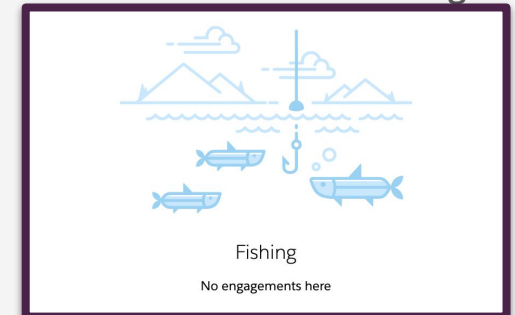


Illustration Name - fishing

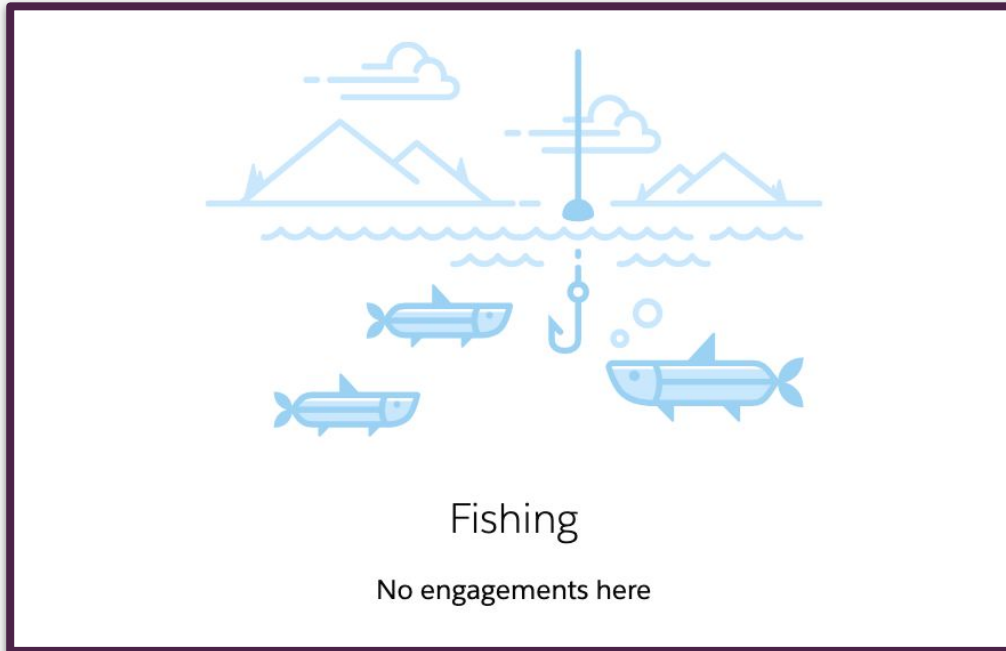


Messaging Types



Inline Text Variants

Illustration Name - fishing



Messaging Types

Prompt

Required Attributes

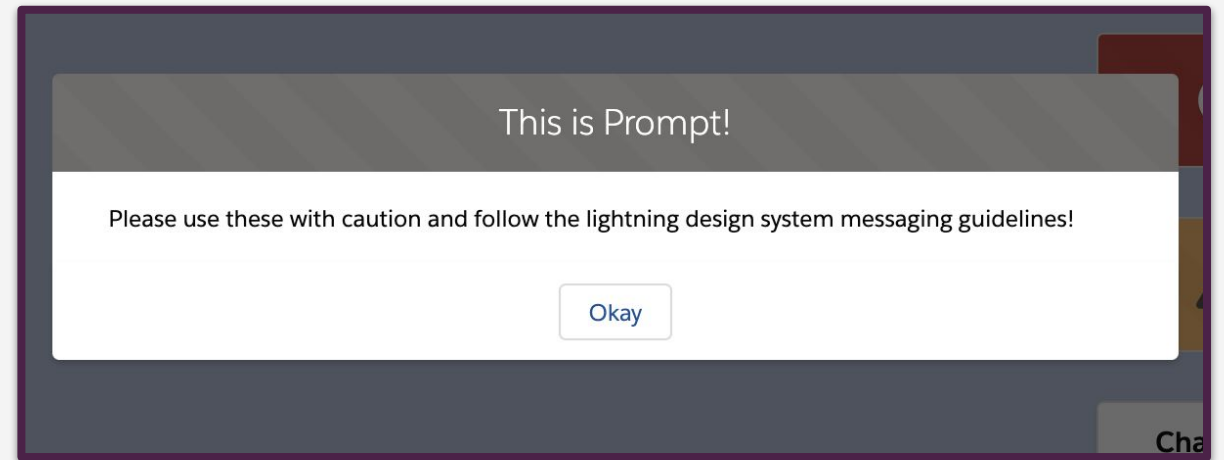
messageType = 'prompt'

messageTitle = the message title displayed

messageBody = the message displayed

messageVariant = error, info, offline, success, or warning

buttonLabel = the confirmation button label

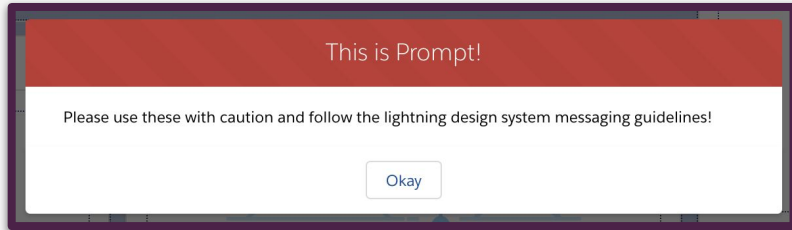


Messaging Types

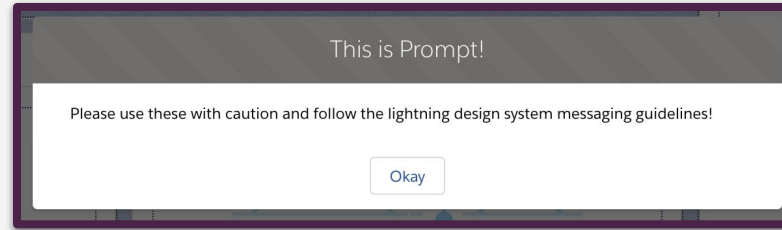


Prompt Variants

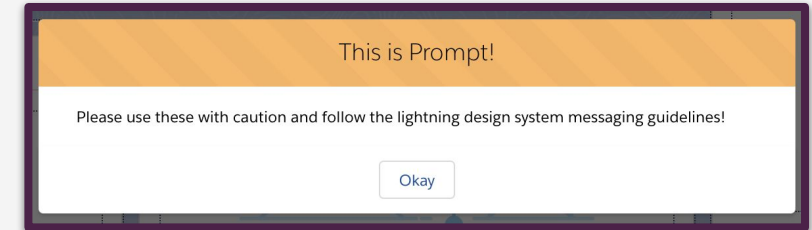
Message Variant = error



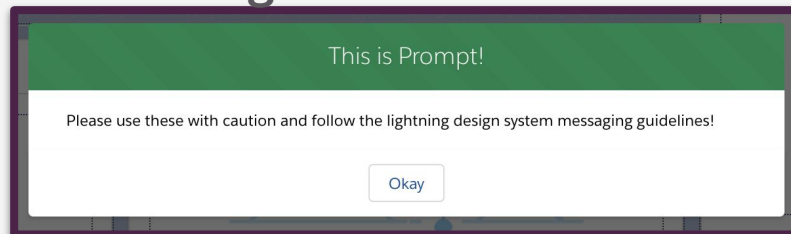
Message Variant = info



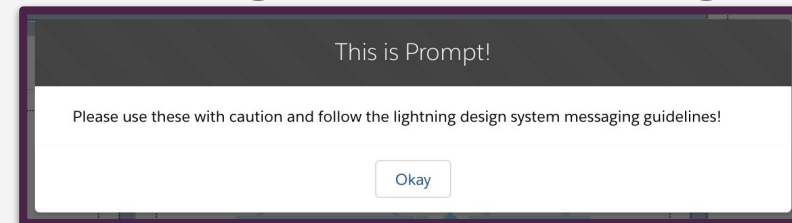
Message Variant = offline



Message Variant = success



Message Variant = warning



Parameters

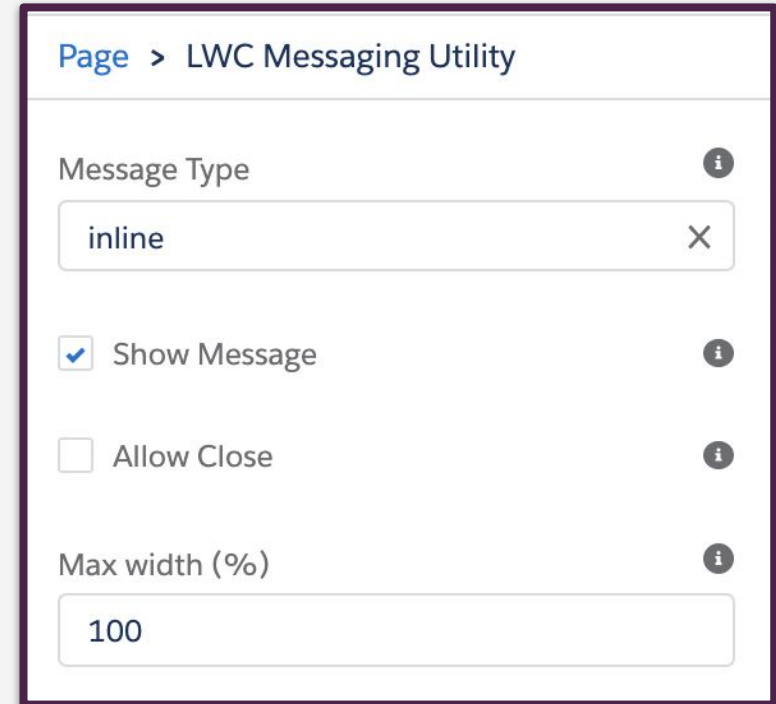
There are a number of options available, but not all required with each message. See message states for details

Message Type: Gives you the ability to define which message type you would like to show

Show Message: This is a boolean that controls the rendering of the component - True will show the component and False will hide it

Allow Close: This allows users to dismiss the message

Max Width(%): Allows you define the max width of the message - this enables you to have dynamic sizing of the messages based on your need



The screenshot shows the configuration panel for the LWC Messaging Utility. The breadcrumb path is "Page > LWC Messaging Utility". The configuration includes:

- Message Type:** A dropdown menu with "inline" selected and a close button (X).
- Show Message:** A checked checkbox.
- Allow Close:** An unchecked checkbox.
- Max width (%):** A text input field containing "100".



Parameters

Message Title: The title of the message that is shown to the user

Message Body: The body of the message that you would like to show the user

Message Variant: Enables you to change the coloring and urgency of the message

Show Icon: Gives you the ability to show an Icon in the message

Icon Name: Allows you to specify an Icon for use in the message

Icon Size: Allows you to select the variant of the icon in the message

A screenshot of a configuration form for a message. The form is enclosed in a dark purple border and contains several fields and a checkbox. Each field has an information icon (a lowercase 'i' in a circle) to its right. The fields are: "Message Title" with the value "Info"; "Message Body" with the value "This is an info message"; "Message Variant" with the value "info"; "Show Icon" which is a checked checkbox; "Icon Name" with the value "utility:info"; and "Icon Size" with the value "medium" and a close button (an 'X' in a circle) to its right. The form is set against a light gray background.

Message Title i
Info

Message Body i
This is an info message

Message Variant i
info

Show Icon i

Icon Name i
utility:info

Icon Size i
medium X



Parameters

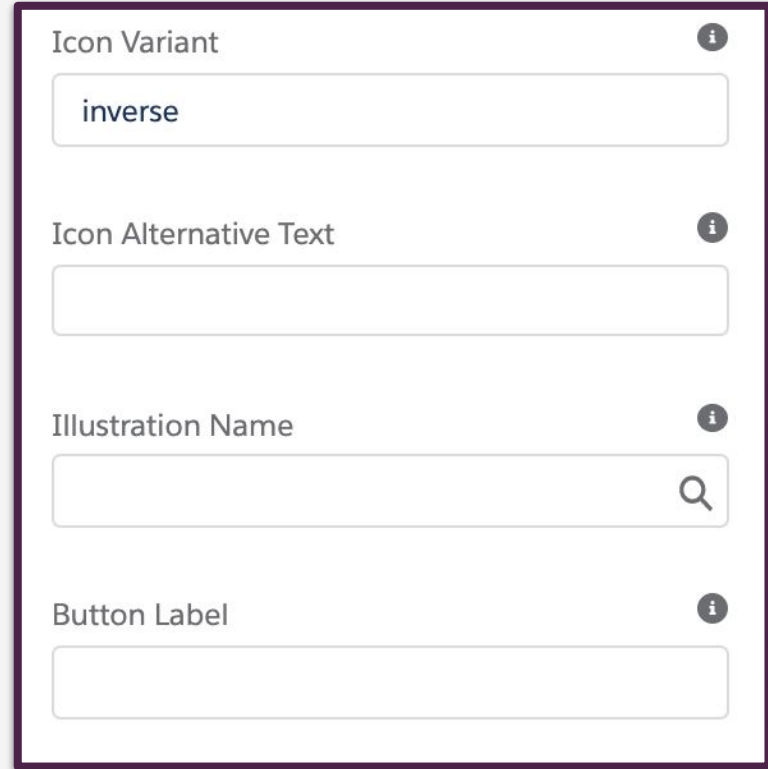


Icon Variant: The variant of the icon.

Icon Alternative Text: Describes the icon when unavailable

Illustration Name: lets you select the illustration

Button Label: The label of the prompt confirmation button

A screenshot of a configuration form with four input fields. Each field has a label and an information icon (i) to its right. The first field is labeled "Icon Variant" and contains the text "inverse". The second field is labeled "Icon Alternative Text" and is empty. The third field is labeled "Illustration Name" and is empty with a search icon (magnifying glass) on the right side. The fourth field is labeled "Button Label" and is empty.

Icon Variant	<input type="text" value="inverse"/>
Icon Alternative Text	<input type="text"/>
Illustration Name	<input type="text"/>
Button Label	<input type="text"/>



Using In your Lightning Web Components



The Lightning Message Helper components can be referenced in your current components, just like base components!

```
<template if:false={account}>
  <c-lwc-messaging-utility illustration-name="desert"
    message-title="Account Not Found"
    message-body="You should create one!"
    max-width="100"
    showMessage="true">
  </c-lwc-messaging-utility>
</template>
```



Using In your Lightning Web Components



Reusable error handling

Use the component to render and display error messages that come back from the server.

```
getDataFromApex() {
  getData({}).then(data => {
    this.data = data;
  }).catch(error => {
    this.showInlineMessage('Error', error.message, 'error')
  })
}

showInlineMessage(messageTitle, messageBody, messageVariant){
  this.messageTitle = messageTitle;
  this.messageBody = messageBody;
  this.messageVariant = messageVariant;
  this.showMessage = true;
  this.showIcon = true;
}
```

App Listing Slides



Introducing Lightning Messaging Utility

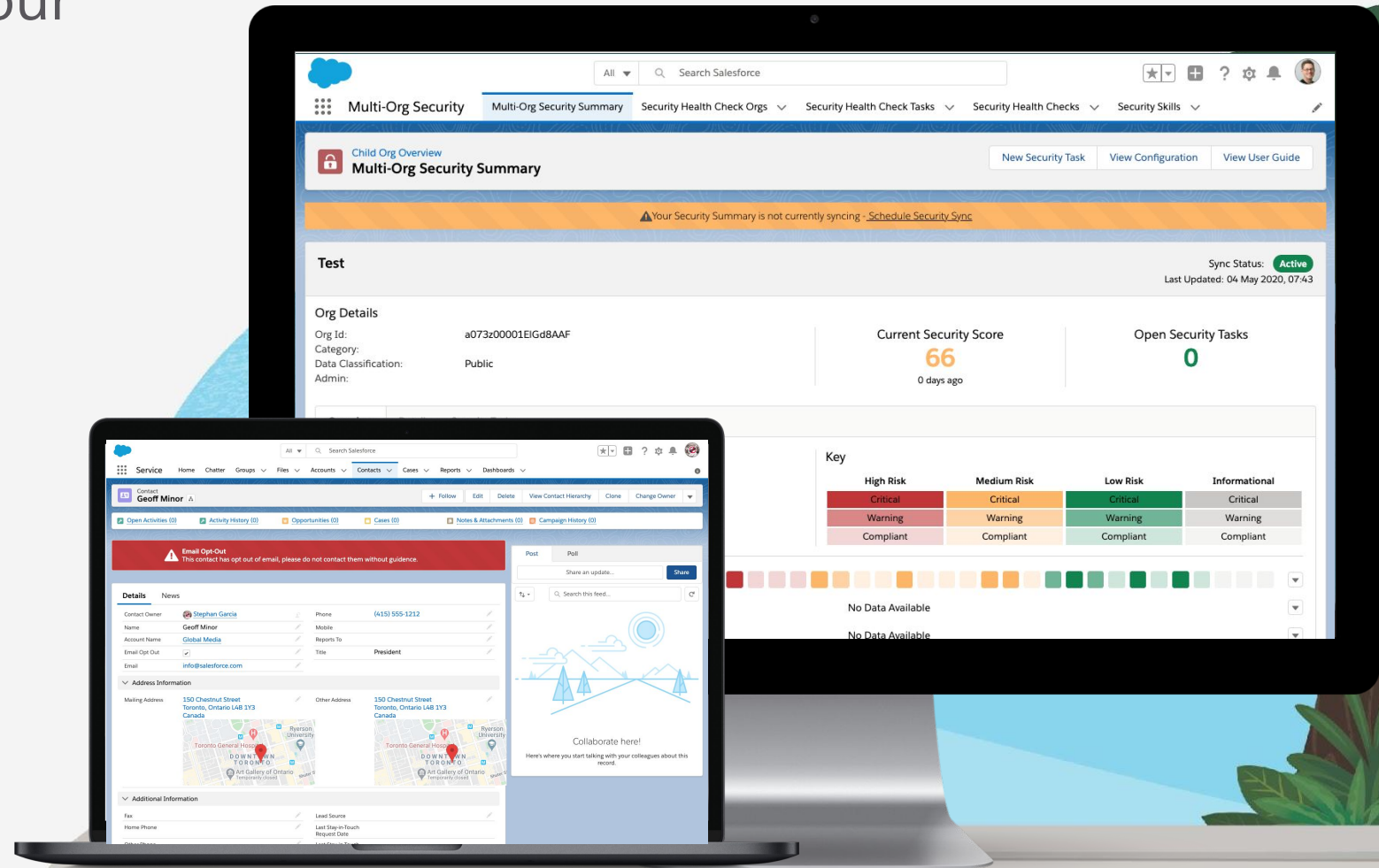


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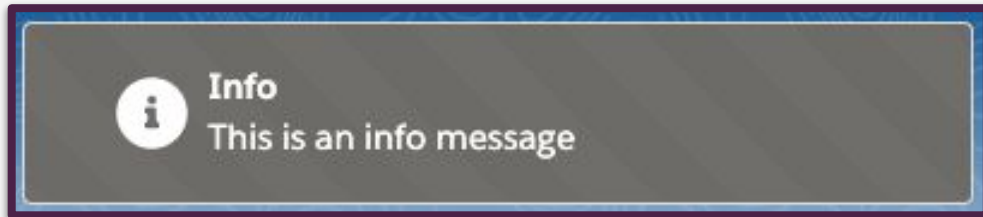
4 Available Messaging Types



Alert



Inline Text



Prompt



Illustration



Extend your Lightning Web Components



```
1  /**
2   * How to use the LWC Messaging Utility
3   */
4   import { LightningElement } from 'lwc';
5
6   export default class LwcMessagingGettingStarted extends LightningElement {
7
8
9     messageTitle;
10    messageBody;
11    messageVariant;
12    iconName;
13    iconVariant;
14    showMessage;
15    showIcon;
16
17    connectedCallback() {
18      this.getDataFromApexController();
19    }
20
21    getDataFromApexController() {
22      getData({}).then(data => {
23        this.data = data;
24      }).catch( onrejected: error => {
25
26        this.showInlineTextMessage( messageTitle: 'Error',
27                                   error.message,
28                                   messageVariant: 'error',
29                                   iconName: 'utility:error',
30                                   iconVariant: 'inverse')
31
32      })
33    }
34
35    showInlineTextMessage(messageTitle, messageBody, messageVariant, iconName, iconVariant){
36      this.messageTitle = messageTitle;
37      this.messageBody = messageBody;
38      this.messageVariant = messageVariant;
39      this.iconName = iconName;
40      this.iconVariant = iconVariant;
41      this.showMessage = true;
42      this.showIcon = true;
43    }
44  }
45
46
47
48
49
50
```

```
1  <!-- Lwc Messaging Getting Started -->
2  <template>
3    <lightning-card title="Account Info" icon-name="standard:account">
4      <lightning-button label="New" slot="actions"></lightning-button>
5      <template if:true={account}>
6        <div class="slds-text-heading--small">{account.Name}</div>
7        <dl class="slds-list_horizontal slds-wrap">
8          <dt class="slds-item_label slds-text-color_weak slds-truncate">
9            <dd class="slds-item_detail slds-truncate" title="Website fo
10             <dt class="slds-item_label slds-text-color_weak slds-truncate">
11              <dd class="slds-item_detail slds-truncate" title="Descriptio
12            </dt>
13          </template>
14          <template if:false={account}>
15            <c-lwc-messaging-utility message-type=[M
16                                   max-width="100"
17                                   show-message={showMessage}
18                                   message-title={messageTitle}
19                                   message-body={messageBody}
20                                   message-variant={messageVariant}
21                                   show-icon={showIcon}
22                                   icon-name={iconName}
23                                   icon-variant={iconVariant}>
24          </c-lwc-messaging-utility>
25        </template>
26      </lightning-card>
27    </template>
28
```

Show Empty State Illustrations when No Data Exists



The screenshot shows the Salesforce InVent360 Admin interface. At the top, there is a navigation bar with the Salesforce logo, a search bar, and several utility icons. Below this is a breadcrumb trail: Home > InVent360 Monitor > Ventilators. The main content area is titled "Ventilator Monitor" and contains a table with the following data:

Serial Number	Status	Humidity	Device Age (days)
VT64852658	✓	80	40
VT15698745	✓	90	40
VT69874562	✓	90	40

Below the table, a large white box with a blue border displays an empty state illustration. The illustration features a cactus, a sun, and mountains. Below the illustration, the text reads "Please select a ventilator".

Show an Alert when a System Feature Needs Addressing



Multi-Org Security Summary

Child Org Overview
Multi-Org Security Summary

New Security Task View Configuration View User Guide

⚠️ Your Security Summary is not currently syncing - [Schedule Security Sync](#)

Test Sync Status: **Active**
Last Updated: 04 May 2020, 07:43

Org Details

Org Id: a073z00001EIGd8AAF
Category: Public
Data Classification: Public
Admin:

Current Security Score: **66**
0 days ago

Open Security Tasks: **0**

Overview Detail Security Tasks

Filter

Select No. Of Days: 1-365 (slider at 30)

Select Risk Status

- Critical
- Warning
- Compliant

Key

High Risk	Medium Risk	Low Risk	Informational
Critical	Critical	Critical	Critical
Warning	Warning	Warning	Warning
Compliant	Compliant	Compliant	Compliant

66 4 May 2020

N/A 3 May 2020 No Data Available

N/A 2 May 2020 No Data Available

Show Inline Text when you need a Contextual Error



The screenshot displays the Salesforce interface for a contact record. At the top, the navigation bar includes 'Service', 'Home', 'Chatter', 'Groups', 'Files', 'Accounts', 'Contacts', 'Cases', 'Reports', and 'Dashboards'. The contact name 'Geoff Minor' is visible, along with action buttons like '+ Follow', 'Edit', 'Delete', 'View Contact Hierarchy', 'Clone', and 'Change Owner'. Below this, there are tabs for 'Open Activities (0)', 'Activity History (0)', 'Opportunities (0)', 'Cases (0)', 'Notes & Attachments (0)', and 'Campaign History (0)'. A prominent red error banner with a warning icon states: 'Email Opt-Out: This contact has opt out of email, please do not contact them without guidance.' The 'Details' tab is active, showing fields for Contact Owner (Stephan Garcia), Name (Geoff Minor), Account Name (Global Media), Email Opt Out (checked), and Email (info@salesforce.com). The 'Address Information' section shows the mailing address as '150 Chestnut Street, Toronto, Ontario L4B 1Y3, Canada' with an associated map. To the right, the 'Chatter' feed is visible, showing a 'Post' and 'Poll' section with a 'Share' button and a search bar for the feed. The feed content includes a stylized landscape illustration and the text 'Collaborate here! Here's where you start talking with your colleagues about this record.'

Display a Prompt when there is a System Update



The screenshot shows a Salesforce dashboard with a central prompt overlay. The prompt is titled "Scheduled Maintenance Title" and contains the text: "This is a prompt generated from the lwc messaging utility - it is used to notify users of system updates and information". Below the text is an "Okay" button. The background dashboard includes a "Quarterly Performance" chart, a "Today's Events" section, and a "Today's Tasks" section.

Quarterly Performance As of Today 9:46:02 AM

CLOSED \$0 OPEN (>70%) \$0 GOAL -- ✎

500k
400k
300k
200k
100k
0

May

■ Closed

Add the opportunities you're working on, then come back here to view your performance.

Today's Events

Looks like you're free and clear the rest of the day.

[View Calendar](#)

Today's Tasks

Nothing due today. Be a go-getter, and check back soon.

[View All](#)

Recent Records

Key Deals - Recent Opportunities

Notifications:

- > New lead assigned to you today [Andy Smith](#) ✕
- > New lead assigned to you today [Sarah Loehr](#) ✕
- > New lead assigned to you today [Jim Steele](#) ✕
- > New lead assigned to you today [John Gardner](#) ✕