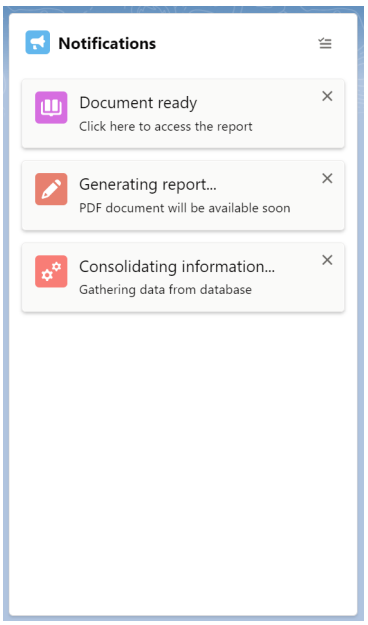

NOTIFICATIONS

by ARES

User Guide

v1.1.2

ARES

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Version History

Version 1.0 - Initial release January 2022
Version 1.1 - Fix record page behavior

Overview

The Notifications component is a reusable Lightning Component for Salesforce Lightning Experience to show custom notifications in your custom Apps.

The Notifications component allows an administrator/developer to include advanced notifications on their custom pages of any Salesforce application.

The Notifications component can be adapted for multiple use cases, from real-time notification of tasks running in the background to user-to-user communication. It is easy to use, just drag and drop the component on the Lightning page you want (Record, App) and configure the style and the context. That's all you need to do.

Flexible

- ➢ Fully customizable component: select different styles (card, corners) to view notifications in the page, restrict notifications by context. Configure It to match your business scenarios.
- ➢ Use it wherever you want: in a record page, in a generic App page, in a Home page.
- ➢ Don't miss a thing: place this component in all your pages to keep up to date with everything that is happening in your company.

Fast

- ➢ Built using Lightning Web Components (a new iteration of the Lightning components to improve speed and interoperability).
- ➢ Platform Events improve scalability and flexibility of the solution.

Modern

- ➢ 100% built using Lightning Web Components, the new framework to follow web standards.
- ➢ Follows Lightning Design System guidelines: clarity, efficiency, consistency, beauty.
- ➢ Fully integrated in Salesforce: using standard Lightning Components and Lightning Design System style.

Secure

- ➢ Restrict notifications by context and recipient (user, group, queue). Your users will only see what is relevant to them.
- ➢ 100% native Salesforce solution: no external services callouts, your data never exits Salesforce.

Installation

Install from AppExchange: here

Once installed, “Notifications (ARES)” component will be available in App Builder.

Remember to assign the Permission Set “Notifications” to the users / profiles you want to use the solution.

Open Lightning App Builder and search for the component in the last section of the Lightning Components toolbar.

Component Configuration

Component Attributes

Component attributes are (Attribute API name is shown in parenthesis in case you want to use/extend the component in a custom page):

- *Context Id (contextId)*
  identifier to restrict the context of the notifications to be received, it can be any text, for example the recordID of the page or a fixed label. If you leave empty, you will receive notifications from all contexts. Use recordId if you want to use the record id from the page as context

- *Style (variant)*
  how to display the notifications, in a card component, or in the corners of the page as floating notifications

- *Max Height (maxHeight)*
  any valid CSS value (e.g. 500px, 50vh) to limit the height of the notifications component

Notification configuration

Notification Event

This component uses Platform Events to handle notifications.

The event data model is as follows:

- **Title (Title__c):** text to use as notification title
- **Body (Body__c):** text to use as notification body
- **Context Id (ContextId__c):** identifier to assign to the notification
- **Recipient Id (RecipientId__c):** a list of comma separated Salesforce Ids to send the notification to (User/Group/Queue)
- **Target Id (TargetId__c):** a Salesforce Id to link the notification to, you will be redirected to specific record on click
- **Icon Name (IconName__c):** a SLDS icon name to use in the notification
- **Time to Live (TimeToLive__c):** the number of seconds of the notification lifetime. Leave empty to keep the notification forever
- **Convert to Standard Notification (ConvertToStandardNotification__c):** whether or not you want to treat the notification as a standard Salesforce notification and have it appear in the Salesforce notification tray (in addition to the custom component)
- **Convert to Chatter Post (ConvertToChatterPost__c):** whether or not you want to treat store the notification as a Chatter post

Each time a Platform Event is published, the Notifications components added to your pages will listen for these events and decide whether to display a notification or not (depending on the context and the recipient).

Code Example: publish notification from Apex

```
EventBus.publish(
    new ares_notify__Notification__e(
        ares_notify__Title__c = 'Synchronizing databases...',
        ares_notify__Body__c = 'The process is running. Click here for more details.',
        ares_notify__ContextId__c = 'database',
        ares_notify__RecipientId__c = null,
        ares_notify__TargetId__c = '0053O0000004Ya6gQAC',
        ares_notify__IconName__c = 'custom:custom53',
        ares_notify__TimeToLive__c = null,
        ares_notify__ConvertToStandardNotification__c = true
    )
);
```

Notification Message

You can also use Lightning Message to handle notifications.

If you want to communicate directly to the Notifications component, you can send a Lightning Message through the Notifications Message Channel.

The data model is the same as the Notification Event, but using a camelCase notation. And there is an additional field (converToEvent) to convert these messages to Platform Events in case you want to handle these events in another part of the application. Please note we recommend to work always with Notification Event, and only use the messages when strictly necessary.

Code Example: publish notification from LWC

```
import { LightningElement, wire } from "lwc";
import { MessageContext, publish } from "lightning/messageService";

import NOTIFICATIONS_CHANNEL from "@salesforce/messageChannel/ares_notify__Notifications__c";

export default class SendNotificationExample extends LightningElement {
    @wire(MessageContext)
    messageContext;

    publishMessage() {
        const notificationMessage = {
            title: "Synchronizing databases...",
            body: "The process is running. Click here for more details.",
            contextId: "database",
            recipientId: "",
            targetId: "0053O0000004Ya6gQAC",
            iconName: "custom:custom53",
            timeToLive: 4,
            convertToStandardNotification: false,
            convertToEvent: true
        };
        publish(this.messageContext, NOTIFICATIONS_CHANNEL, notificationMessage);
    }
}
```

Known Issues

Current issues that will be addressed in near future:

- If you place 2 components in the same Lightning Page, you will receive duplicate notifications. Please make sure to place only one component in the page.

About ARES

ARES provides Salesforce solutions for customers of all sizes and industries looking for modern and simple apps that solve tough business challenges.

ARES is a project by Alejandro Rocamonde Esteve, a Spain based Salesforce developer. For custom solutions please contact alejandro.rocamonde@protonmail.com