



salesforce



# Spring '21 Developer Release Notes & Summer '21 Preparation

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## Agenda

1. New in Spring '21
2. Preparing for Summer '21





# Moving Out of Support



# Aura Components in the ui Namespace Are Being Deprecated

- 1<sup>st</sup> May 2021 – ui namespace components will no longer be supported
- Existing components will still work, but not be maintained by Salesforce in future
- Changes in Google Chrome and Salesforce platform may break ui namespace components in future

```
<ui:inputtext label="enter name"/>
<div >
  <ui:button label="PROGRAMS" class="" />
  <ui:button label="Learning" />
  <ui:button label="Training" />
  <ui:button label="Contacts" />
  <ui:button label="SUPPORT" />
</div>
```



# End of Support for Internet Explorer 11 in Lightning

- IE 11 no longer supported by Salesforce Lightning
- Users not blocked, but will see banner indicated browser is out of date
- Classic experience still supported for the time being
- Move users to
  - Microsoft Edge Chromium
  - Google Chrome
  - Mozilla Firefox
  - Apple Safari





# Pilots & Beta



# Functions

- Announced as Greenfields a long time ago. Newly released as Beta.
- Awesome potential to call functions written with NodeJS / Other languages directly from Salesforce
- Your Salesforce Account Executive may be able to get you access
- Likely paid licensing required





# Create a Lightning Web Component Action (Pilot)

- Create quick actions in LWC
- Customise headers and footers, or create non-UI actions
- Limited to specific customers only – speak to your AE
- No formal General Availability announced yet



Account Actions  
New Action

Enter Action Information Save Cancel

Object Name Account ⓘ

Action Type Lightning Web Component ⓘ

Lightning Web Component c:showCustomUi ⓘ

Subtype Screen Action ⓘ

Standard Label Type --None-- ⓘ

Label Custom UI LWC Action ⓘ

Name Custom\_UI\_LWC\_Action ⓘ

Description  ⓘ

Icon ⚡ Change Icon

Save Cancel

# Lightning





# Customize Markers and Control Map Behavior in lightning-map Base Component

- Use your own SVG image instead of default markers
- Modify / disable zoom & dragging
- Remove satellite button
- Just define as a static map
- [LINK](#)



# Aura Request Event Type (1/2)

- Logs requests from both Aura & LWC components
- View information about requests to Apex methods from Aura or Lightning web components in your event log files. The Aura Request event type in the EventLogFile object enables you to monitor information such as benchmarking request time or identifying the URI of an unsuccessful request.
- CLIENT\_GEO attribute
- [https://help.salesforce.com/articleView?id=release-notes.rn\\_api\\_objects.htm&type=5&release=230](https://help.salesforce.com/articleView?id=release-notes.rn_api_objects.htm&type=5&release=230)





# Aura Request Event Type (2/2)

- Example:

Enter or modify a SOQL query below:

```
SELECT
  ApiVersion,EventType,Id,LogDate,LogFile,LogFileContentType,LogFileFieldNames,LogFileFieldTypes,LogFile
  Length FROM EventLogFile
```

Query

## Query Results

Returned records 5 - 5 of 19 total records in 0.247 seconds:

More...

ApiVersion	EventType	Id	LogDate	LogFile
51.0	AuraRequest	0ATB00000079qcSOAQ	2021-04-02T00:00:00.000Z	IKVWRU5UX1RZUEUICJSU1FU1RBTVAiLCJSRVFVRVNU

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1	EVENT_TYPE	TIMESTAMP	REQUEST_ID	ORGANIZATION	USER_ID	RUN_TIME	CPU_TIME	URI	SESSION_KEY	LOGIN_KEY	REQUEST_STATUS	DB_TOTAL	USER_AGEN	REQUEST_METHOD	ACTION_MESSAGE	TIMESTAMP_DERIVED	USER_ID_DE	CLIENT_IP	URI_ID_DERIVED
2	AuraRequest	2.021E+13	4b8xS5v16Q	00D8000000	0058000000	57	22	/one/one.ap	dfF8DCWqc3	XpLcBDQOE56MpJd	37389463	Mozilla/5.0 (	GET			2021-04-03T23:39:15.268Z	0058000000	60.242.117.207	
3	AuraRequest	2.021E+13	4b8xSBlz6wJ	00D8000000	0058000000	2204	566	/one/one.ap	VGjgsGzxrpy	XpLcBDQOE56MpJd	1391632930	Mozilla/5.0 (	GET			2021-04-03T23:39:18.989Z	0058000000	60.242.117.207	
4	AuraRequest	2.021E+13	4b8xSMQcQv	00D8000000	0058000000	507	170	/aura	VGjgsGzxrpy	XpLcBDQOE56MpJd	537765463	Mozilla/5.0 (	POST	1\$serviceComponent://ui.global.components.one.one.controller.OneControll		2021-04-03T23:39:20.147Z	0058000000	60.242.117.207	
5	AuraRequest	2.021E+13	TID:5467750	00D8000000	0058000000	28	21	/aura	VGjgsGzxrpy	XpLcBDQOE56MpJd	1279266	Mozilla/5.0 (	POST	1\$serviceComponent://ui.force.components.controllers.hostConfig.HostConfig		2021-04-03T23:39:20.693Z	0058000000	60.242.117.207	
6	AuraRequest	2.021E+13	TID:5507360	00D8000000	0058000000	145	113	/aura	VGjgsGzxrpy	XpLcBDQOE56MpJd	18900615	Mozilla/5.0 (	POST	1\$serviceComponent://ui.force.components.controllers.platformStateManage		2021-04-03T23:39:20.895Z	0058000000	60.242.117.207	
7	AuraRequest	2.021E+13	4b8xSR68fQ	00D8000000	0058000000	16	14	/auraCmpDe	VGjgsGzxrpy	XpLcBDQOE56MpJd	1495267	Mozilla/5.0 (	GET			2021-04-03T23:39:20.914Z	0058000000	60.242.117.207	
8	AuraRequest	2.021E+13	TID:5938050	00D8000000	0058000000	53	44	/aura	VGjgsGzxrpy	XpLcBDQOE56MpJd	1468541	Mozilla/5.0 (	POST	1\$serviceComponent://ui.flexipage.components.page.FlexipageControllerV2/		2021-04-03T23:39:21.199Z	0058000000	60.242.117.207	
9	AuraRequest	2.021E+13	TID:5944840	00D8000000	0058000000	621	105	/aura	VGjgsGzxrpy	XpLcBDQOE56MpJd	730840951	Mozilla/5.0 (	POST	1\$serviceComponent://ui.home.impl.landing.LandingController/ACTION\$popu		2021-04-03T23:39:21.771Z	0058000000	60.242.117.207	
10	AuraRequest	2.021E+13	TID:6799890	00D8000000	0058000000	211	51	/aura	VGjgsGzxrpy	XpLcBDQOE56MpJd	155648375	Mozilla/5.0 (	POST	1\$serviceComponent://ui.home.impl.myDayHeroChart.MyDayHeroChartContr		2021-04-03T23:39:22.210Z	0058000000	60.242.117.207	
11	AuraRequest	2.021E+13	TID:6816910	00D8000000	0058000000	61	45	/aura	VGjgsGzxrpy	XpLcBDQOE56MpJd	15997137	Mozilla/5.0 (	POST	1\$serviceComponent://ui.force.components.controllers.recordLayoutBroker.R		2021-04-03T23:39:22.261Z	0058000000	60.242.117.207	
12	AuraRequest	2.021E+13	TID:6819350	00D8000000	0058000000	289	97	/aura	VGjgsGzxrpy	XpLcBDQOE56MpJd	199156413	Mozilla/5.0 (	POST	1\$serviceComponent://ui.calendar.impl.controllers.SFDCCalendarDataProvide		2021-04-03T23:39:22.307Z	0058000000	60.242.117.207	
13	AuraRequest	2.021E+13	TID:6843090	00D8000000	0058000000	413	87	/aura	VGjgsGzxrpy	XpLcBDQOE56MpJd	411568112	Mozilla/5.0 (	POST	1\$serviceComponent://ui.home.impl.recentRecordContainer.RecentRecordCo		2021-04-03T23:39:22.455Z	0058000000	60.242.117.207	
14	AuraRequest	2.021E+13	TID:5462260	00D8000000	0058000000	1978	422	/aura	VGjgsGzxrpy	XpLcBDQOE56MpJd	1724400700	Mozilla/5.0 (	POST	7\$serviceComponent://ui.global.components.one.header.HeaderController/A		2021-04-03T23:39:22.823Z	0058000000	60.242.117.207	

**Apex**





# ID.to15() method

- Convert 18 character ID's to 15 character case sensitive ID's
- Fixes mangled casing
- Better to implement the Salesforce API than write your own

```
String Id_15_char = '0D5B000001DVM9t';  
String Id_18_char = '0D5B000001DVM9tkAh';  
ID testId = Id_18_char;  
System.assertEquals(testId.to15(),Id_15_char);
```

- [https://help.salesforce.com/articleView?id=release-notes.rn\\_apex\\_nc.htm&type=5&release=230](https://help.salesforce.com/articleView?id=release-notes.rn_apex_nc.htm&type=5&release=230)



# Change Data Capture





# Enrich Change Event Messages with Extra Fields

- Now General Availability
- Add unchanged fields to your change event
- Supported for CometD-based subscribers only
- Configured through the Metadata or Tooling API

```
{
  "FullName": "SalesEvents_AccountChangeEvent",
  "Metadata": {
    "enrichedFields": [
      {
        "name": "External_Account_ID__c"
      },
      {
        "name": "Industry"
      }
    ],
    "eventChannel": "SalesEvents__chn",
    "selectedEntity": "AccountChangeEvent"
  }
}
```



soql





# SOQL FIELDS(Custom)

- New addition to existing FIELDS(ALL) and FIELDS(STANDARD)
  - Currently works with CLI and SOAP/REST API – Does not work in APEX
  - Limited to maximum 200 records
- 
- Select all custom fields in SOQL
    - `SELECT FIELDS(CUSTOM) FROM Account LIMIT 200`
  - Can mix with specific standard fields
    - `SELECT Name, Id, FIELDS(CUSTOM) FROM Account LIMIT 200`



# Sandboxes





# Track differences between your Project and your Sandbox

- Automatically track changes to metadata components, saving you from tracking them manually.
- See changes pushed to a sandbox by other developers.
- Identify and resolve conflicts between your local project and the sandbox prior to pushing or pulling source.
- CLI command: **sfdx force:source:status -u DevSandbox**



```
=== Source Status
```

STATE		FULL NAME	TYPE	PROJECT PATH
Local	Add	WidgetClass	ApexClass	/WidgetClass.cls-meta.xml
Local	Add	WidgetClass	ApexClass	/WidgetClass.cls
Remote	Changed (Conflict)	Widget__c .	CustomObject	force-app/main/default/object
		s/Widget__c/Widget__c.object-meta.xml		
Remote	Deleted	Widget__c.all	ListView	. force-app/main/default/object
		s/Widget__c/listViews/All.listView-meta.xml		
Remote	Add	WidgetPermissions	PermissionSet	

# Other Stuff






# Manual Record Sharing in Lightning

- Classic function finally appears in Lightning

Share

Search

 Search User...

\* Account Access: Read/Write

\* Case Access: Read/Write

\* Opportunity Access: Read/Write

Shared with 3 groups of users. [Edit](#)

Cancel Save



# Role limit increase

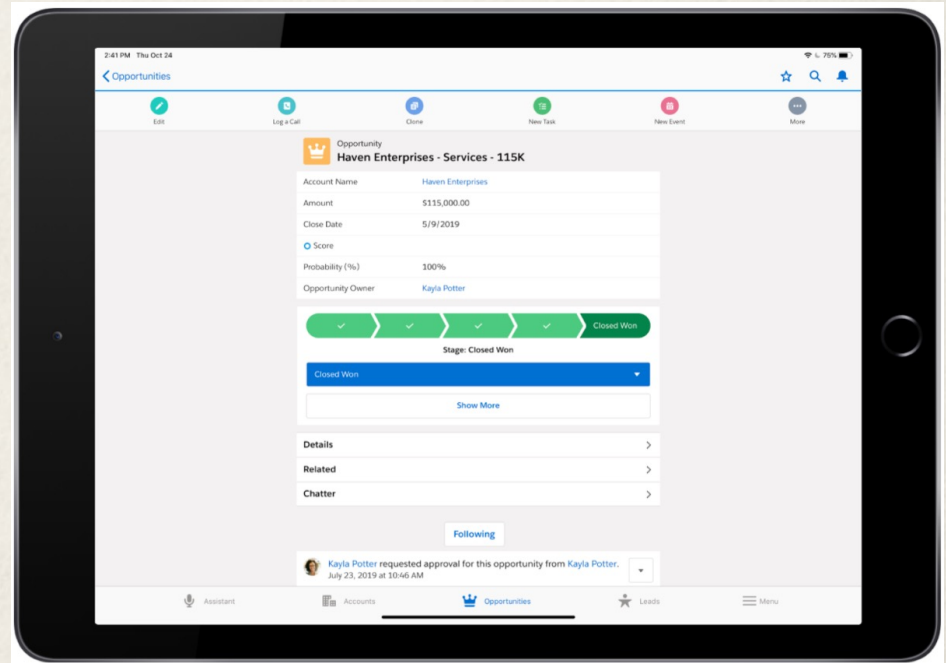
- Now create up to 5,000 Roles
- Customer Support request to enable this in Orgs created prior to Spring '21
- Be careful of potential Performance impacts





# Turn on the New Salesforce Mobile App Tablet Experience

- Salesforce Mobile users can use new single column layout on Tablets
- iOS and Android
- Configured in Admin under **New Salesforce Mobile App Quickstart**





## Getting Ready – Summer '21



# Key Dates for Summer '21



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Pre-Release  
Org Sign Up

15/4



Release  
Notes

20/4



Sandbox  
Preview Starts

7/5



Release  
Site

7/5



Release  
Module

7/5



Release  
Overview Deck &  
Feature Matrix

11/5



Release  
Weekends

14/5 | 4/6 | 11/6



Release Readiness  
Live!

21/5 - 28/5



# Summer '21 Release Updates (1/4)

- Enforce Access Modifiers on Apex Properties in Lightning Component Markup
- Aura and LWC will not be able to use private getters in Apex classes

```
public class EnforcePrivateGetter {  
    @AuraEnabled  
  
    public Integer counter { private get; set; }  
  
    @AuraEnabled  
    public static EnforcePrivateGetter GetRepro2()  
    {  
        EnforcePrivateGetter result = new EnforcePrivateGetter();  
        result.counter = 2;  
        return result;  
    }  
}
```



# Summer '21 Release Updates (2/4)

- Disable Access to Non-global Apex Controller Methods in Managed Packages
- *“Only methods marked with the global access modifier are accessible by Aura components from outside the package namespace”*
- Updating and testing of managed packages in preview highly recommended



# Summer '21 Release Updates (3/4)

- Require Verification When Experience Cloud Users, Partners, and Customers Change Their Email Address
- *“external users to confirm their community email address changes”*
- Make sure your training, support and change management is up to date





# Summer '21 Release Updates (4/4)

- Enforce Data Access in Flow Merge Fields
- *“enforces the running user’s data access when Flow Builder uses a merge field to access a field on a related record”*
- Recommend to test all Flows and Flow execution paths



# Finishing Up



- Get this deck : <https://github.com/andrewwhitten/Presentations>
- LinkedIn : <https://www.linkedin.com/in/andrew-whitten-8835b8/>







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# Thank You!



Let's succeed together!