

Syracuse Trailblazers

May 25
2022



Connecting



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COMMUNITY GROUPS

Trailblazer Community Groups: Syracuse, NY Developers Group

- How we track membership, schedule meetings and RSVP to upcoming events

Twitter: @syracusedevs

- Posting formal meetups, informal gatherings, retweeting regional events and member activities

Chatter: Syracuse, NY Developers Group

- Conversations and discussions with other group members

Web: SyracuseDevelopers.com

- Links to the above sites, copies of slides/code presented at meetups



Upcoming Events



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World Tour NYC - June 23

- Javits Center, NYC
- Free
- <https://www.salesforce.com/world-tour/nyc/home/>

Midwest Dreamin - July 20-22

- Minneapolis, MN
- \$189 to attend
- <https://www.midwestdreamin.com>

Dreamforce - September 20-22

- San Francisco, CA
- Likely Hybrid - In Person and Online
- Smaller than normal



Certifications

New Certification: Strategy Designer

- <https://trailhead.salesforce.com/en/credentials/strategydesigner>
- “Knowledge of how to use design methods to create compelling experience strategies that drive business outcomes using the Salesforce Platform”

Announced Certification: Business Analyst

Release Cycle	Date Available	Due Date*	Maintenance Modules Available
Winter '22	December 8, 2021	December 2, 2022	Marketing Cloud Administrator Platform App Builder Platform Developer I B2C Solution Architect Architect Maintenance Module



Summer 22



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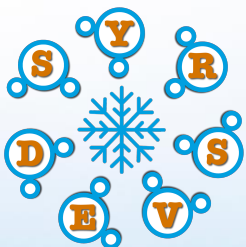
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Summer 22



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Retirements
Rebranding
Generally Available
Platform
Admin
Flows
Code



Summer 22



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Release Notes

- https://help.salesforce.com/s/articleView?id=release-notes.salesforce_release_notes.htm&type=5&release=238

Trailhead

- <https://trailhead.salesforce.com/quests/learn-moar>
- Complete the Admin or Developer trailmix by July 31 to win a certification voucher



Retirements

API Retirement in Summer 22

- Bulk API 16-20, SOAP API 7-20, Rest API 20 will go away in Summer 22
- These will become unavailable and fail with an error message
- All old integrations must upgrade their APIs or they will fail

API Retirement in Summer 23

- Bulk API 21-30, SOAP API 21-30, Rest API 21-30 will go away in Summer 23
- Deprecated and no longer supported in Summer 22

New Error Code

- HTTP Error 410:GONE



https://help.salesforce.com/s/articleView?id=release-notes.rn_api_retirement_7_20.htm&type=5&release=238

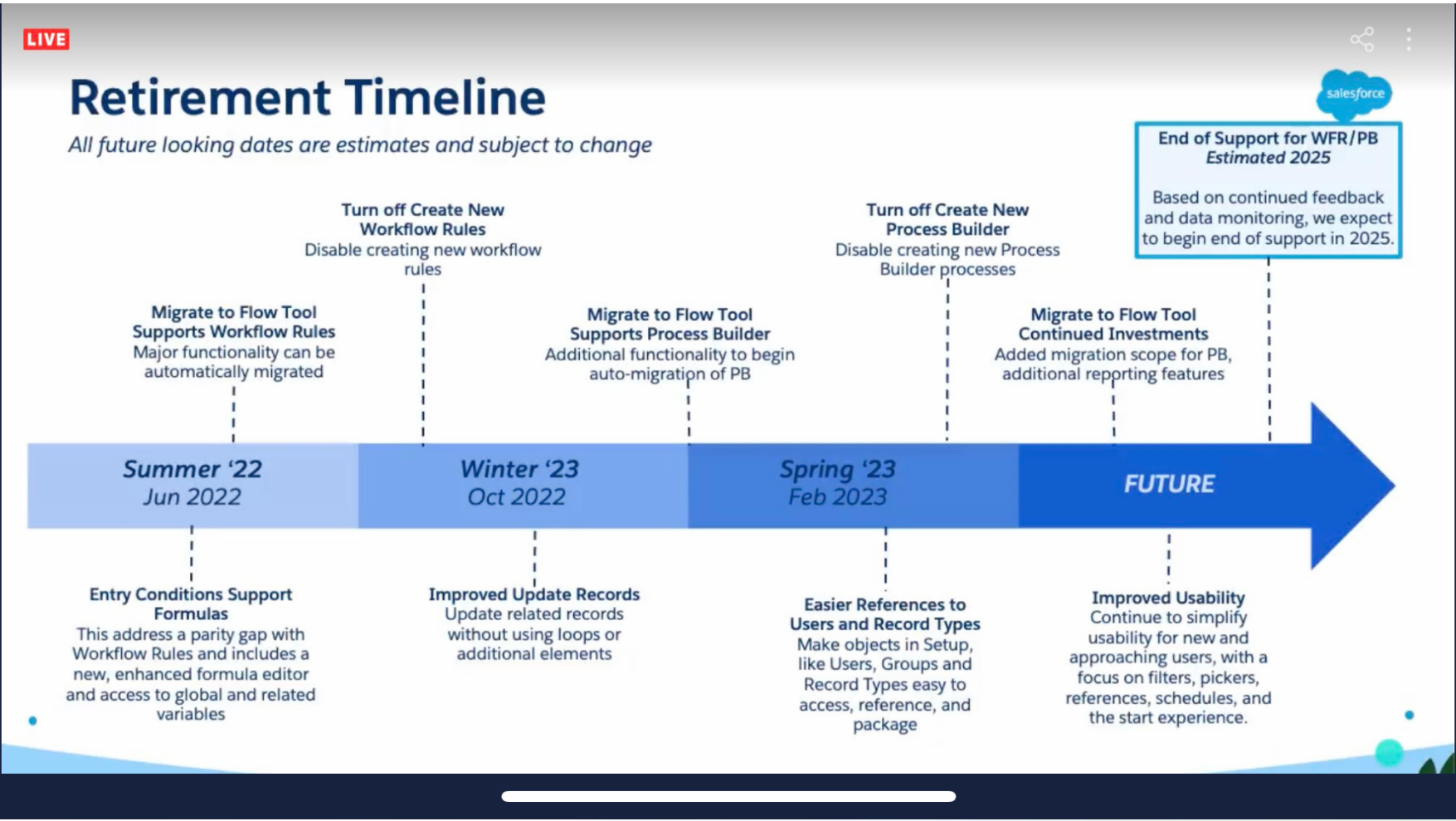
https://help.salesforce.com/s/articleView?id=release-notes.rn_api_upcoming_retirement.htm&type=5&release=238

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Retirements



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Rebranding



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High Velocity Sales → Sales Engagement

myTrailhead → part of Sales Enablement add on

Tableau CRM → CRM Analytics

MuleSoft Composer for Salesforce → Flow Integration

Marketing Cloud

Messaging/Journeys → Marketing Cloud Engagement

Interaction Studio → Marketing Cloud Personalization

Datorama → Marketing Cloud Intelligence

Salesforce CDP → Marketing Cloud Customer Data Platform

Advertising Studio → Marketing Cloud Advertising

Pardot → Marketing Cloud Account Engagement

https://help.salesforce.com/s/articleView?id=release-notes.rn_sales_hvs_rename_sales_engagement.htm&type=5&release=238
https://help.salesforce.com/s/articleView?id=release-notes.rn_sales_enablement_terminology.htm&type=5&release=238
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Generally Available

Inline Edit on Reports

Permission Set Expirations

Permission Set Enhanced User Interface

Transaction Security Critical User Permissions

Report Type Selector on New Report screen

Workflow to Flow conversion utility

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Sales Cloud



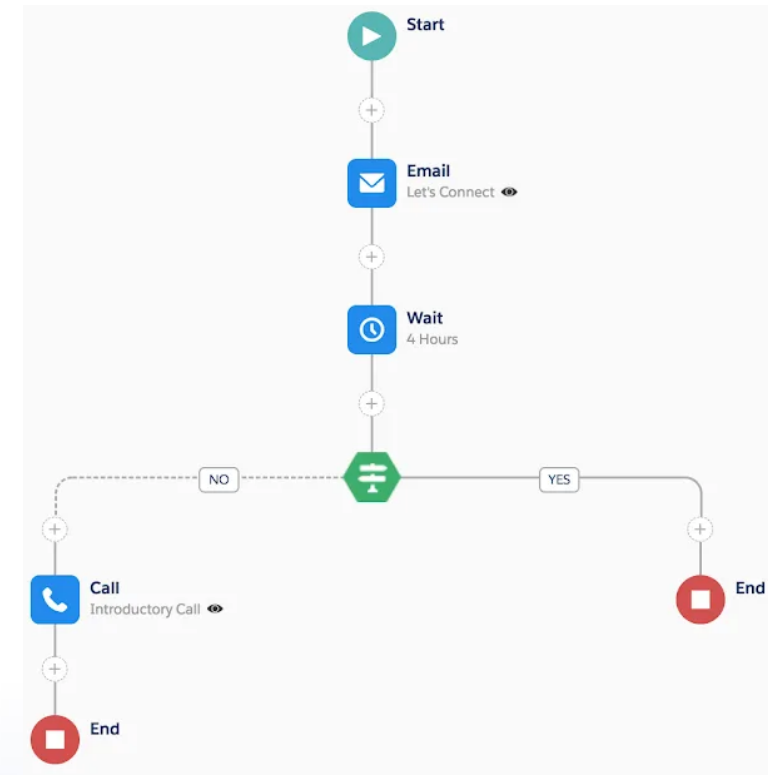
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Sales Engagement (formerly called High Velocity Sales)

- Now included in Unlimited & Performance editions without an add-on license
- Includes sales cadences, work queues and sales console

Sales Cloud Einstein

- Now included in Unlimited & Performance editions without an add-on license
- Includes Account & Opportunity Insights, Automated Contacts, Lead Score, Opportunity Scoring, Forecasting, Conversion Insights, Einstein Activity Capture, Salesforce Inbox and Sales Analytics



https://help.salesforce.com/s/articleView?id=release-notes.rn_sales_einstein_included_in_ue.htm&type=5&release=238
https://help.salesforce.com/s/articleView?id=release-notes.rn_sales_other_sc_to_ue.htm&type=5&release=238



Reports



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Limit tabular report rows (Demo)

- Add as a Filter

Summarize by Median (Demo)

- Median is the middle number in a sorted list of numbers

Report on selected objects (Beta)

- Filter report types

Create Report

Select a Report Type

Search Report Types...

Recently Used Report Types

Report Type Name
Accounts
Opportunities
Leads
Solutions
Cases
Contacts & Accounts
Tasks and Events

Standard

Show me report types with Salesforce objects

Search Salesforce objects...

External Managed Account X

Case X

Cancel Apply

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https://help.salesforce.com/s/articleView?id=release-notes.rn_rd_reports_dashboards_median_function.htm&type=5&release=238



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Bulk Manage Picklist Values (Beta)

- Bulk delete, deactivate, activate or replace
- Available in sandboxes
- Contact account exec to enable in production

Values					
<div>New Reorder Replace Printable View Chart Colors</div> <div>Delete Selected Deactivate Selected Replace Selected</div>					
<input type="checkbox"/> Action	Values	API Name	Default	Chart Colors	Modified By
<input type="checkbox"/> Edit Del Deactivate	Coupon	Coupon	<input type="checkbox"/>	Assigned dynamically	Admin User , 2/10/2022, 4:35 PM
<input type="checkbox"/> Edit Del Deactivate	Currency rate	Currency rate	<input type="checkbox"/>	Assigned dynamically	Admin User , 2/10/2022, 4:35 PM
<input checked="" type="checkbox"/> Edit Del Deactivate	Income	Income	<input type="checkbox"/>	Assigned dynamically	Admin User , 2/11/2022, 9:14 AM
<input checked="" type="checkbox"/> Edit Del Deactivate	Cost of living	Cost of living	<input type="checkbox"/>	Assigned dynamically	Admin User , 2/11/2022, 9:14 AM
<input type="checkbox"/> Edit Del Deactivate	Out of state	Out of state	<input type="checkbox"/>	Assigned dynamically	Admin User , 2/11/2022, 9:32 AM

Inactive Values			
<div>Delete Selected Activate Selected Replace Selected Delete Unused Values ^{Beta!}</div>			
<input type="checkbox"/> Action	Values	API Name	Modified By
<input checked="" type="checkbox"/> Del Activate	Country to country	Country to country	Admin User , 2/11/2022, 9:32 AM
<input type="checkbox"/> Del Activate	Exchange rate	Exchange rate	Admin User , 2/11/2022, 9:14 AM
<input type="checkbox"/> Del Activate	Locale adjustment	Locale adjustment	Admin User , 2/11/2022, 9:14 AM

Email when inactive values get large

- Checks for picklists with more than 4000 inactive values
- Looks at all custom picklist fields for you

Get a list of custom picklist fields with inactive values

Get an email that tells you which custom picklist fields have more than 4,000 inactive values. Use this information to delete inactive unused values in the identified picklists. When you remove inactive values, it helps to ensure the stability and performance of your picklist fields.

[Email Me](#)

https://help.salesforce.com/s/articleView?id=release-notes.rn_forcecom_fields_bulk_manage_picklist_values.htm&type=5&release=238
https://help.salesforce.com/s/articleView?id=release-notes.rn_forcecom_fields_picklist_inactive_values_email.htm&type=5&release=238



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Bulk Delete Picklist Values (Beta, Demo with Account.Active__c)

- Bulk delete inactive values
- Custom picklists only, not standard picklists or multiselect
- Used to have to do 1 by 1
- If inactive but referenced in a record, it is not deleted

Dup picklist value alert (Demo)

- More clarity on which picklist values are duplicates

https://help.salesforce.com/s/articleView?id=release-notes.rn_forcecom_fields_picklist_delete_inactive_values.htm&type=5&release=238
https://help.salesforce.com/s/articleView?id=release-notes.rn_forcecom_fields_picklist_duplicate_values_message.htm&type=5&release=238



Admin



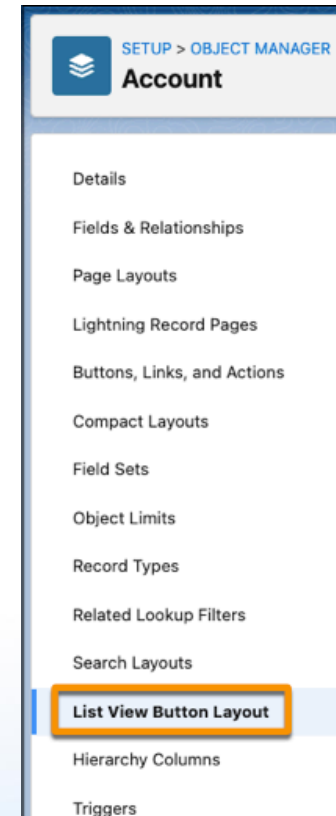
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Address Field (Beta, Demo)

- Make a compound Address field that behaves like the standard address fields
- Currently very restricted. Can't use in Flows, Data Import Wizard, Bulk Api, Reports
- Uses the global State and Country Picklists

Search Layout Renamed

- Search Layouts for Salesforce Classic was renamed to List View Button Layout



https://help.salesforce.com/s/articleView?id=release-notes.rn_general_custom_address.htm&type=5&release=238

https://help.salesforce.com/s/articleView?id=release-notes.rn_search_list_view_button_layout.htm&type=5&release=238



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New Formula Functions

- DAYOFYEAR - Returns the day of the calendar year (from 1 through 366).
 - FORMATDURATION - Formats the number of seconds with optional days, or the difference between times or dateTimes as HH:MM:SS.
 - ISOWEEK - Returns the ISO 8601-week number (from 1 through 53) for the given date, ensuring that the first week starts on a Monday.
 - ISOYEAR - Returns the ISO 8601 week-numbering year in four digits for the given date, ensuring that the first day is a Monday.
 - UNIXTIMESTAMP - Returns the number of seconds since 1 Jan 1970 for the given date, or number of seconds in the day for a time.
-
- ACOS -Returns the arc cosign of the number in radians, if the given number is between -1 and 1. Otherwise returns NULL.
 - ASIN - Returns the arc sine of the number in radians, if the given number is from -1 through 1. Otherwise returns NULL.
 - ATAN - Returns the arc tangent of the number in radians.
 - ATAN2 - Returns the arc tangent of the quotient of y and x in radians.
 - CHR - Returns a string with the first character's code point as the given number.
 - COS - Returns the cosine of the number in radians, if the given number is between -1 and 1. Otherwise returns NULL.
 - FROMUNIXTIME - Returns the dateTime that represents the given number as the seconds elapsed since 1 Jan 1970.
 - PI - Returns pi.
 - SIN - Returns the sine of the number, where the number is given in radians.
 - TAN - Returns the tangent of the number, where the number is given in radians.
 - TRUN - Truncates a number to a specified number of digits.
-
- ASCII - Returns the first character's code point from the given string as a number.
 - INITCAP- Returns the text as lowercase with the first character of each word in uppercase.

https://help.salesforce.com/s/articleView?id=release-notes.rn_general_new_formula_functions.htm&type=5&release=238



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Dynamic Related List (Demo)

- More related list options than just the one you get on a page layout
- Change columns, add filters, sort options
- Rename the related list
- Add multiple related lists for the same object
- Add button actions
- Use conditional visibility

https://help.salesforce.com/s/articleView?id=release-notes.rn_forcecom_lab_dynamic_related_lists.htm&type=5&release=238



Flows



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Formulas as Flow Entry Conditions

- Can now create a formula as an entry condition (similar to process builder)

Set Entry Conditions

Specify entry conditions to reduce the number of records that trigger the flow and the number of times the flow is executed. Minimizing unnecessary flow executions helps to conserve your org's resources.

If you create a flow that's triggered when a record is updated, we recommend first defining entry conditions. Then select the **Only when a record is updated to meet the condition requirements** option for When to Run the Flow for Updated Records.

Condition Requirements

Formula Evaluates to True (New)

New Formulas for Conditions ⓘ

• Formula

Insert a resource...

All Functions ▼

Insert a function...

Select an Operator...

Check Syntax

https://help.salesforce.com/s/articleView?id=release-notes.rn_automate_flow_builder_use_formulas_as_flow_entry_conditions.htm&type=5&release=238



Flows



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Flow Tests (Beta)

New Test (Beta)

Set Test Details, Trigger, and Path

Set Initial Triggering Record

Set Updated Triggering Record

Set Assertions

Set Test Details, Trigger, and Path

Configure a test that verifies the flow runs as expected.

* Label

Test Example

* API Name

Test_Example

Description

Set Test Trigger and Path

Select whether the test is triggered to run when a record is created or updated. A test can take only the flow path that runs immediately.

* Run the Test When a Record Is:

☐ Created

☒ Updated

Path for Test

Run Immediately

https://help.salesforce.com/s/articleView?id=release-notes.rn_automate_flow_debug_tests.htm&type=5&release=238

Flows



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Flow Trigger Explorer (Demo with FlowOrder object)

- Auto fill in object and flow type (created, updated, deleted) when creating new flow
- Drag and drop flow ordering
- Access flow trigger from object manager - Flow Triggers page

Section Headers

- Add headers to sections in screen flows

The screenshot displays the 'New Hire Setup' form in Salesforce. It features a 'Section' header at the top. Below it, the 'Job Details' section is expanded, showing fields for Title, Department (a dropdown menu currently set to '--None--'), Status (radio buttons for Permanent and Temporary), Compensation Type (radio buttons for Hourly and Salary), Hours (radio buttons for Full Time and Part Time), Annual Salary, and Hourly Wage. The 'Workstation' section is also expanded, showing fields for Workstation Type (radio buttons for In Office and Remote), Computer (a toggle switch currently set to 'Not Needed'), Computer Type (radio buttons for Laptop and Desktop), Desk (a toggle switch currently set to 'Not Needed'), and Desk Type (radio buttons for Standing and Sitting).

https://help.salesforce.com/s/articleView?id=release-notes.rn_automate_flow_trigger_explorer_run_order.htm&type=5&release=238
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https://help.salesforce.com/s/articleView?id=release-notes.rn_automate_flow_trigger_explorer_object_manager.htm&type=5&release=238
https://help.salesforce.com/s/articleView?id=release-notes.rn_automate_flow_builder_add_section_headers.htm&type=5&release=238



Code



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Bulk API has higher governor limits

- Bulk API and Bulk API 2.0 now consume the higher of the synchronous & asynchronous per transaction Apex limits
- Maximum CPU time is 60 seconds

New Alert/Confirm/Prompt Modules

- Avoids cross origin errors from Javascript APIs
- Use `LightningAlert` instead of `window.alert()`
- Use `LightningConfirm` instead of `window.confirm()`
- Use `LightningPrompt` instead of `window.prompt()`

https://help.salesforce.com/s/articleView?id=release-notes.rn_api_bulk_2.htm&type=5&release=238&language=en_US
https://help.salesforce.com/s/articleView?id=release-notes.rn_lc_alert_confirm_prompt.htm&type=5&release=238



Code



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Apex User Mode Database Operations (Beta)

- Declare if Apex DML operations run in user mode or system mode
- FLS and object permissions are honored
- Use WITH USER_MODE or WITH SYSTEM_MODE keyword in queries
- Account acc = new Account(); insert as user Acc;

Apex Tests run faster in sandboxes

- Testing resource allocation is now better distributed

https://help.salesforce.com/s/articleView?id=release-notes.rn_apex_UserMode_Database_Operations_Beta.htm&type=5&release=238
https://help.salesforce.com/s/articleView?id=release-notes.rn_apex_parallel_apex_test_resources.htm&type=5&release=238



Code



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API Total Usage

- API Total Usage event monitoring now reports on API version 31-49
- Free for all customers

Change Data Capture

- Now supports TextArea fields

AuraEnabled Method Overloads

- Overloading AuraEnabled methods are no longer supported



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https://help.salesforce.com/s/articleView?id=release-notes.rn_apex_ValidationForAuraEnabledAnnotation.htm&type=5&release=238

Thank You For Coming!



Download the slides

- https://syracusedevelopers.com/meetings/202205/SyrDevs_2022-05.pdf

