# Summer '20 Abridged

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The Salesforce Discord Collective Presents:

**THE SUMMER 20 RELEASE NOTES - ABRIDGED**
Best read from 1.5m distance

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## CRITICAL STUFF

- Lightning Sync will be retired in Winter 21. Recommended integration path: Einstein Activity Capture. This is the what, 5th release in a row they've nuked some integration with Google/Microsoft ? At this point I'd probably just recommend going third-party.
- Pardot Connector needs to be manually updated to v2.
- After Save Flows, Platform Event Flows, and Flows that Bypass User security change everything about Declarative Automation in Salesforce (but curb your enthusiasm a bit). Read our "Special Edition" at the end for more details, which also covers Dynamic Forms.
- Lightning Message Service (`LMS`) is now GA-ed and available. This **replaces** the janky `pubsub` module found with `lwc-recipes` and is now the official communication mechanism between VF pages, Aura, LWCs, and components placed in the lightning utility bar. See /u/temp_sv_dev 's github repo here for some samples on how to swap out `pubsub`.
- Some Permissions Changed and Need Review

### GENERAL STUFF

- Paths now create Kanban views and are also subject to confetti which I assume means they've merged Kanban and Path in the backend
- Email Insights just got a little bit smarter. Requires Einstein Activity Capture.
- B2B Commerce Orders protested against confinement and aren't forcibly tied to Products anymore. ~~It's worth a shout because a lot of companies did custom Order__c due to this limitation~~. Only applies to B2B Commerce, my bad.
- The Related Record component in the App Builder now allows showing the parent of a parent AND polymorphic relationships, which is actually super nice
- Knowledge took the red pill and now sees record access as it really is (Beta)
- Dynamic Actions don't force you to open the Page Layout to changes Actions in Lightning (for desktop)

- Salesforce Help Login now goes through trailblazer420.yolo which is OK for most people but annoying for implementation partners which have tons of the same user with the same email.
- Mobile App team get the “Best Release Notes” award because I can’t summarize them more than they did. Seriously, great job. Also Custom Notifications get a nice upgrade.

**FLOWS**

- The Critical stuff we wrote above
- Flow now try to help you do Flows that suck less with in-app prompts when you do things that suck
- Debug Mode is now really a Debug Mode meaning data isn’t saved when you run the debug thank god finally pfiew
- Passing Data to Flows now easier
- Developers rejoice as Apex-defined Variables can now be returned, and Flows now accuerately indicate usage in debug logs

**COMMUNITIES**

- Standard Actions Overrides!
- A few personalization updates with multi-level nav bar and some standard component changes.
- Sharing data with external users now simpler thanks to External Account Hierarchies
- Salesforce have Fixed a bug for the Service Appoinment Component which requires some manual setup.
- Other notes were either Previously announced (no more Guest user owners, etc) or Pilot ( LWC Build-your-Own)

**SERVICE**

- Salesforce are releasing their own CTI which seems to be a front for Amazon Connect and some SF polish like automated transcription. Comes at extra cost, unsure if worth it ATM.
- Bots get Multi-Language Support, Best-Practice Help Pages, Skill-Based Routing to Agents, and Builder upgrades.
- Routing now allows optional skills which avoids huge queue times.
- Surveys are still not as good as GetFeedback but are slowly getting there. It’s kind of peppered accross the entire Release Notes though

**REPORTS AND DASHBOARDS**

- Flow Interviews now also available for reporting
- PriceBookEntries now targetable when creating Custom Report Types
- This was already the case for Formatted Data, but now CSV can now also be attached to subscriptions

**EINSTEIN**

- I may have missed this before but it seems that Salesforce have now decided to cover themselves re: the use of the Einstein name: "Rights of ALBERT EINSTEIN are used with permission of The Hebrew University of Jerusalem. Represented exclusively by Greenlight. " which I find funny
- Einstein features have gotten a lot of love in the last year, and are getting at a point where I could start recommending clients buy them.
- Prediction Builder now supports Field-to-Field Comparisions
- Case-WrapUp is a nice addition to Service Einstein
- Einstein Search now gets Natural Language Processing and is no longer limited by Shield Encryption

**DEVELOPMENT**

- Unlocked Packages will require Code Coverage to Promote and can also be Org-Dependent
- Einstein OCR via API
- Sending VF Emails to Guest Users requires extra parameter, check if you're subject to this.
- Reusable CSS betweens LWCs. I think design tokens are still a bit wonky though.
- Use the @salesforce/community scoped module to import information about the current community context
- Connect REST Api now returns SVG instead of Flash
- Generic SObject data types are here and can be used in Flow actions. This means you can use `sObject` and `sObject[]` in your flow screen LWCs!
- Private Connect sets up a fully managed network connection between your Salesforce org and your AWS Virtual Private Cloud (VPC)
- Crypto now supports RSA-SHA384 and RSA-SHA512.
- TOTP via APEX now possibilities
- CDC Events now support mandatory sent fields in events
- Dev and Dev Pro Sandbox now support scratch org type of source tracking. Hopefully they will support at *least* partial sandboxes in the future!

- `System.Security.stripInaccessible()` now respect relationship fields. It's now minimal overhead to add FLS / CRUD checker to your apex. Finally.
- New `@JSON annotation` controls whether instances of the class can be serialized or deserialized. Default setting in API v48+ more restrictive than current situation.

**DOGELAND**

- :doge: Someone at SF thought it was a good idea to re-open the Work.com casket but put a Sales pitch instead of content, and brand it as COVID relief. Reception mixed at best.
- :doge: Salesforce PRESENTS: OPTIMIZER ! Yes it's the same (awesome) tool that was first an external website and then a menu item. No, we don't know why it's in the release notes. Again. And Again. And Again.
- :doge: In-App Guidance got an upgrade with Walkthroughs buuuuuuuuut you need MyTrailhead to use it. Too bad because it looks Dope as Hell
- CMT team wins "weirdest Jargon" award for an otherwise cool release note

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This abridged version was graciously written up by the **SF Discord**

We have a nice wiki: https://wiki.sfxd.org/

And a linkedin page: https://www.linkedin.com/company/sfxd/

Join the ~2000 members in the most active chat-based community around Salesforce these parts of the web at http://join.sfxd.org/

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**SPECIAL EDITION - FUTURE OF AUTOMATION**

I put this outside of the ARN themselves because, well, it's not a release note.

*Re: After/Before/Events Triggered Flows:*

- HUGE SPECULLATION as alway - I'm calling Process Builder deprecated by 1y and fully retired by 2y. To the angry people that flamed me when I called Aura deprecated: BOOYAH.
- Using PB is still required due to current Flow limitations, and I expect that there will be a tool to migrate one to the other seeing as technically they're both the exact same tool in the backend - so don't panic about your Process Builders just yet.
- These changes add yet another automation source to Objects. That new automation source probably won't play super well with others, as the Before Save flows highlighted

with APEX.
- The new Flow execution contexts don't support everything that is in PB or even normal Flows yet (no Subflows, no `ISCHANGED()`).
- In Summary while these are very exciting times and highlight a bright future of Low-Code possibilities, we currently advise NOT to use these new flows outside of Prototyping or Sandboxes.

*Re: User-Permission Bypassing Flows:*

- While SF seems to push Flows as Admin-friendly, the reality is that as time goes on, Flows are becoming more of Procedural programming with a GUI than anything else.
- The above effectively puts the skill floor higher for any new admins - think 7 years ago when all you had was page layouts and workflows. Things are a bit more complex now.
- User-Permission Bypassing means you can effectively do VERY BAD THINGS, and to be honest I would rather they hide this option behind a few layers of prompts asking if you know WTF you're doing. As-is I can totally see compliance issues in the medium-term. I encourage any Auditors or Consulting partners to add checking for this permission in any audit checklist and ensure that it's needed.
- For all SF Admins reading this, SFXD already told you this last release, but really: Train yourself on Flows, Fast. You're going to need it.

*Re: Dynamic Forms:*

- Dynamic Forms will extend quite a lot what can be done in Lightning Page Layouts. It pretty much replaces Layouts in general.
- The current status is Preview, meaning SF don't want to support it just yet. If you're using it in Production, this is bad. Don't do it. Wait a few releases more.
- I am still unsure what this means for Page Layouts/Record Types in the future. Probably will be decorrelated and based on conditional display (which doesn't work well ATM)
- As-Is this is a very strong Do Not Use.
- It seems that more and more things are getting `Builders` in the backend which allow more powerful stuff in the hands of admins (Flows, Bots, Paths). While this does sound like great news, it'll raise the skill floor to be a competent Salesforce Manager in the next years

*Re: Lightning Message Service (`LMS`) and continued support of legacy code:*

- With `LMS` there is now one ring to rule them all. In its most ideal usage, this now serves as the primary inter-component communication mechanism **between** LWCs that are in separate component trees.
- But, until your org(s) reach the state where you can invest 100% in LWCs only (because you are moving to that future, right?) this is now a quick win for bringing your VF and Aura solutions to play nicely with your shiny new LWCs.
- Now that they have finally settled on conventions (`LMS` using various `channels`), I fully expect this to be the backbone for some cool event driven application hooks in the future.

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