Attachment:
File
Attachment
Combine Attachment
Note
ContentDocument
ContentDocumentLink
(LinkEntityid (EmailMessageId), ContentDocumentId (DocumentId))

For attachment id fetching from email message:
select ContentDocumentId from ContentDocumentLink where LinkedEntityId ='02s5e000001PlVsAAK' ← **Email ID**
select id, HasAttachment, ParentId from EmailMessage

Note creation :
Note: **standard object,** ParentId: **related record relation**

ToastMessage, in after record gets saved in standard lightning details page component:-

Through flow:
record triggering flow : not allowed (where will it show, not possible) (not ui element)
autolaunched flow : not allowed (not ui element)
Screen flow: (allowed because we have screen) through aura component

Process Builder: need to install a separate package : gonna deprecate
Workflow : gonna deprecate

Action Plan Template in salesforce :
Activities needs to be enabled for custom object in order to see in action plan template

Action plan template: Where we define Action plan template
Action plan: Object used to create Action Plan
Action Plan Template Version : Used to get id of action plan template and this will be assigned to Action plan object in flow of Action plan template version id

select id, ActionPlanTemplateVersionId from ActionPlan
select id, Name from ActionPlanTemplateVersion
select id, Name, UniqueName, from ActionPlanTemplate
--
Action Plan template

Action plan template version
select id, Name, Status from ActionPlanTemplateVersion
select id, Name, Status, ActionPlanTemplateId, ActionPlanTemplate.Name from ActionPlanTemplateVersion
select id, Name, ActionPlanTemplateId, Status from ActionPlanTemplateVersion

Action plan template item
select id, Name, ActionPlanTemplateItemId, ItemId, ActionPlan.Name, item.RecordType.Name, item.RecordTypeId, ItemState from ActionPlanItem
--
Action plan
select id, Name, ActionPlanTemplateVersion.Name, ActionPlanTemplateVersionId, ActionPlanType from ActionPlan

Action plan item
select id, ItemId from ActionPlanItem

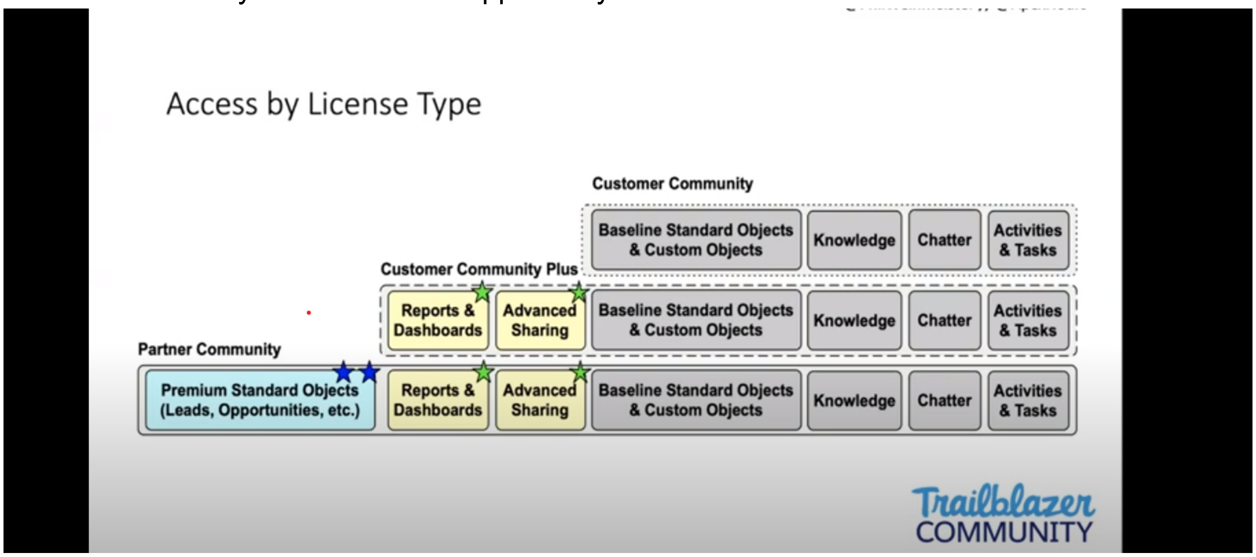
Task
--

Community Cloud :-

EXPERIENCE CLOUD : **Community Cloud:**

Community
Community Build
Community deploy
Community extraction

Customer Community : Simple information sharing of knowledge article
Customer Community Plus : Report and Dashboard (this is most used)
Partner Community : Contact Lead Opportunity are available



Account are of 2 type:
Person Account (can only login in Community and community plus)
Business Account (can login all 3 type)
Customer, Community, Partner

Login Type:-
Guest user
Login user (Authentication)

Profile:
Customer community plus user
Customer community

License:
Setup -> Company Information -> Community licence

Domain name enablement

Community like (Service, Support Portal, third party tracker) etc
Self-service portal:
Community URl:
Login
Customers
Developers
Partners
LiveChat:
Social Profile
Social customer service
Social conversation Component
Social Persona

How to Create a community?
Setup -> All site -> New

How to build community>
Through community builder

How to work on community builder?

Similar to lightning app builder

How to create a community user?
Create a contact
Contact -> **Enable customer user**
Create a customer user (User id (User need to hve role), Login access(setup))
Through that customer contact u can login.

Community User must have Account associate to login else won't be able to do
Contact -> Account -> Account Owner -> Need to have role

Account → Enable Partner → Enable partner User
Contact -> Enable Customer User

Adding members in community?
Members are added based on profile and permission set

How to prevent access of app and community without permission set?
App: Permission set -> Assigned App
Community -> Administrative -> Select profile, Permission set
All Administrive task related to community go there.
Email, Welcome Mail, Profile, Permission set

Export:
Reuse it, dont start it from scratch
Navigation, Menu Item
Content Layout -> aura component, column
Page Variation -> Audience, **Dynamic filter for component -> Audience**

Knowledge:-
For particular user
Knowledge user should be checked
Enable knowledge setting
Enable topic for object setting

Community -> content management ->
Topic management
Navigation topic
Featured topic
Article management

Drag and drop the topic article component from component
Agent availability in community

How to add a record/ Object page inside an community?
Builder -> new page

FLOW Handling:-

How to launch a flow/ component with button?
In salesforce application : flow/flow_name
In Community: communityName/flow/flow_name
/ControlTower/flow/DealerHub_and_DealerHubVote_Update?VoteVariable=UpVote&recordId={!Dealer_Hub__c.Id}&retURL=ControlTower/{!Dealer_Hub__c.Id}

How to embeded a custom lwc inside an flow?
Drag lwc from available resource

How to embeded a flow inside and custom lwc / aura?

In custom lwc: flow

```
var flow = component.find("Flow");
 flow.startFlow("New_TCO");
```

In trigger: flowintervention

How to call a subflow from a flow ?

Drag the component from available resource and give the name of the flow

Interview Preparation
—---

Managerial

Introduction: Tell me about your self?
Hi, My name is Shubham dhanuka and currently i am living in hyderabad.
I am having around 3 yrs of experience in salesforce developemnet.
During my tenure of 3yrs i have worked on multiple project
Nokia
ARAG
So some of component that i have built from very scratch are
And i also have completed salesforce certification and actively participating in community event

What are your strong point ?
I keep my work up to date and recently got awarded with p4 proficiency. And some time When i get overloaded with work, it gets hard

What are your negative point?
My weak zone: that one point is pointed by my technical architect if i get stuck just dont push it hard

What is positive things you have handle so far?
When were providing services to the client at that time we found some of the gap in between and we did poc

What is happiest moment so far?
When my first component went live that was the most happiest moment

What was the sad moment so far?
Offcourse life in bumpy ride but at the moment no particular incident coming in my mind.

What is negative things you have handle so far?
stay calm, think logically and act correctly
And to speak on negative sch., we are working in team, what phase the other person going on, so u just focus on what tasks has been assigned to you
Let me give you other sc there was a guy in my project who was on cross domain

Why are u leaving your current company?
At the moment we are in demo phase We are in demo

What is wrong in my current role and responsibility ?
There is no wrong in current role, As i said we are in demo phase and as per contract signed by client after demo two or three week of support and then put up new project.

Have you worked on Obejct oriented programming language?
Yes i had a very good academic record and at that i used to code in java but now a days everything in apex
And there is one platform called apex.sandbox.io they have around 60-70 coding problem and i solved all of them.

Have u worked on API?
Ytes when i was learning and doing freelaucning project at that time i did configure all of these and i connected two org, got the data from one org and updated in second org and also connected with webapplicatio.

Tell me about yourself : Introduction

How has your education prepared you for your career?:
Definetely education plays an important role. because some time we dont know what it takes to be on that level. so education plays a different role.
What u see at the moment is kind of package of all the chuck for an example: in my college we used to have one class for business developement

What is your long-term objective?
Should be bring out the best qualities from me and says this is my skill, this is what i can deliever, this is how i can deliever my output to meet with the company business objective.

Are you a team player?
Yes without any doubt, i am more than of a team player So recently new member joined the team, they were not able to keep the pace
so i helped them out, not only i help them, we used to have one call before to the standard call.

Have you ever had a conflict with your boss? How was it resolved?
Yes, different people have different mindset and idealogy but with open discussion and common thread we can resolve it.

If I were to ask your boss to describe you, what would they say?
Optimistic, futursitc and courageous

What qualities do you feel a successful manager should have?
Manager should give us apperication when we are working very hard and he always has global picture so binding team together.

What is your greatest weakness?
Nut digging out in the stuff

Why should I hire you?
so i have gone through job discription....
i can get it started without any time

If you had to live your life over again, what one thing would you change?
just to get line at early stage of my line.,

Tell Me About a Time You Failed"
Client presentation with out discussion wiht the people in heriachy

Tell me about a time when you set your sights too high (or too low).
High : is part of life... top view of the world
Low: when i used to do internship i used to think, experience is need and so on so forth which is not right

---
Front end

LWC : OK
Event : OK
Event propagation and stopping : OK
LWC Cycle : Ok
Connected Callback and one more callback,(set callback) : ok

Javascript errors : Chrome inspector

Network tab :
Network related information, Amount it is taking to load, upload
Network information, header etc
Call to backend

Cross Origin, Cross site error : Cross Scripting error

View state:
Pagination:
Use transient key word : not to hold or to get changes (webserver calling)
Use Time interval
Free the resouces : disconnected callback

Static:
Memeory is allocated till the programme run
U have one instance, for second instance u wanna use the value

How we declare event in aura? 4 option u need to pick correct one.
Aura Metric for declaring a event

Platform event and time of existence in system
In short: if you're the subscriber and you were not listening when the event was originally published, you have 24 hours from the time of publishing to replay that event before it is unavailable.

Aura Metric
Set time interval
Connected callback and one more // setcallback

LWC VS AURA : client side. Server side loading, cross trained
Imposing field level security on lwc LDS : by default it is
Else u need to use from schema classes:-
isAccessible, isCreateable, isDeleteable, isCreateable and etc methods of Schema class
----
Backend / Automation / API

Trigger best practice :-
One trigger per object
Dont write SOQL inside loop
Use Collection
Use flag
Dont use hardcode

Error and best practice :

Webservice callout limit == > 100 in a transaction
Is Exposed = true ==> Make lightning component available

Interface implementation ==> Class must implement at least one of interface or must provide interface body
Ltng require, static resource ==> for attachment to upload

If we are doing rest webcallout,
what are the parameters needs to pass...
How we perform batch job...

Code : write (trigger)
(Account Contact record updation)
(Account Address record updation through batch)

Record Creation flow:
User record creation with relevant contact
Have vlaue 1, updated to 10 and workflow increment to 11 and what value will be in trigger.update and trigger.old => 10

Trigger and batch on Account Address

Process Builder vs flow
Process Builder on User and Contact
=> Account Address trigger, batch class
Process builder vs flow

Before, After
Insert, Update, Delete
Trigger.new, Trigger.old, Trigger.newMap, Trigger.oldMap

New is for new records context
Old is for old records context

Trigger.new: List<Custom_obj__c>
Trigger.old: List<Custom_obj__c>

IDs to the versions of the sObject records,
Trigger.newMap:- map<Id, Custom_obj__c>
Trigger.oldMap:- map<Id, Custom_obj__c> :: Update or delete event

Example:-
trigger compares the account number field's old value with the new value. That is, trigger checks if the account number was changed.

If the account number is changed the trigger assigns the Type field value as “prospect” else it assigns it a value as “Other“.

```
trigger Compare_OldandNewvalues on Account (before update) {

//Here we will iterate on trigger.new list, which already holds the new values of all records.
for (Account acc: Trigger.new) {
//Here we use the account id, to get the older version of record.
Account oldAccount = Trigger.oldMap.get(acc.ID);

//once we get the older version, we can get any field's value from older version to compare.
if(acc.AccountNumber != oldAccount.AccountNumber) {

//Here is some logic being performed on a condition basis.
System.debug('--*Account Number is changed*--');
System.debug('**Old Account Number :'+oldAccount.AccountNumber);
System.debug('**New Account Number :'+acc.AccountNumber);
acc.Type = 'Prospect';
}
else{
System.debug('--**Account Number has not been Updated**--');
acc.Type = 'Other';
}
}
}
```

Database

Master details relationship and workflow on account invoice object =>
Rollup summary , master details to lookup
Data is not present in the field, lookup to master

Is it okay to load 50000 record from data import wizard => yes, for less record it is okay, but generally we use data loader, workbench, salesforce inspector

Best practice to load the data => when u load the data, yes couple of things we need to keep in mind
Like relationship/ mapping with other object record
Not to import id of one org to another org because it is different from org to org
Deactivate the Approval process, Validation, Workflow if it is not insert and creating action, approval process

What needs to deactivate or activate

Date field is required field but user has read access only what will happen => user will not be able to enter it

Governor limit:
SOSL : 20
SOQL : 100
Record fetched : 2000 (SOSL)
Record fetched: 50000 (SOQL)

Heap : 6(Sync), 12 (Async)
Web : 100 callout in a transaction
10 second, 120 second

Batch : 200, 1000

Sequence:
• The original record is loaded from the database.
• System Validation Rules.
• Executes all before triggers.
• Custom Validation rules.
• Executes duplicate rules.
• Saves the record to the database, but doesn't commit yet.
• Executes all after triggers.
• Executes assignment rules.
• Executes auto-response rules.
• Executes workflow rules.
• If there are workflow field updates, updates the record again.
• If the record was updated with workflow field updates, fires before and after triggers one more time. Custom validation rules, duplicate rules, and escalation rules are not run again.
• Executes processes and flows launched via processes and flow trigger workflow actions.
• Executes escalation rules.
• Executes entitlement rules.
• If the record contains a roll-up summary field or is part of a cross-object workflow, perform calculations and updates the roll-up summary field in the parent record. The parent record goes through the save procedure.
• If the parent record is updated, and a grandparent record contains a roll-up summary

field or is part of a cross-object workflow, performs calculations and updates the roll-up summary field in the grandparent record. Grandparent record goes through the save Procedure.

• Executes Criteria Based Sharing evaluation.
• Commits all DML operations to the database.
• Executes post-commit logic, such as sending an email.

Indexing,selective enough:
Object are having more than 200000 record and query is not able to filtered it out
External flag enabled, Id, Not use LIKE, use value

Unlocking the particular row
System.runAS

Concurrent limit
Governor limit , per user what u can do, How much a particular things can do

Record Loading:
Setup Import wizard
DataLoader Wizard

Locking in Salesforce :
There is a process that being sequenced or data is committed to salesforce
So during that sequence if any changes happened we get error
So System.runAs, Flag and other good practice are there to follow

Mixed DML exection (101 error in salesforce)
Mixed DML (101 Error)
As the name suggest when we are mixing the updation of setup and non setup object at that time we getthis error
E.g: opportunity and user record
So use: system.runAs or do it async

How to set multiple factor authentication ?
U neeed to enable it from setup
And u need to assign it multifactor authentication permission set
—--

Configuration

—--

Profile and field level security in system
How to enforce field level security in lwc

Profile, record level
Role sharing

External object in salesforce =>
External objects are similar to custom objects, except that they map to data that's stored outside your Salesforce org.

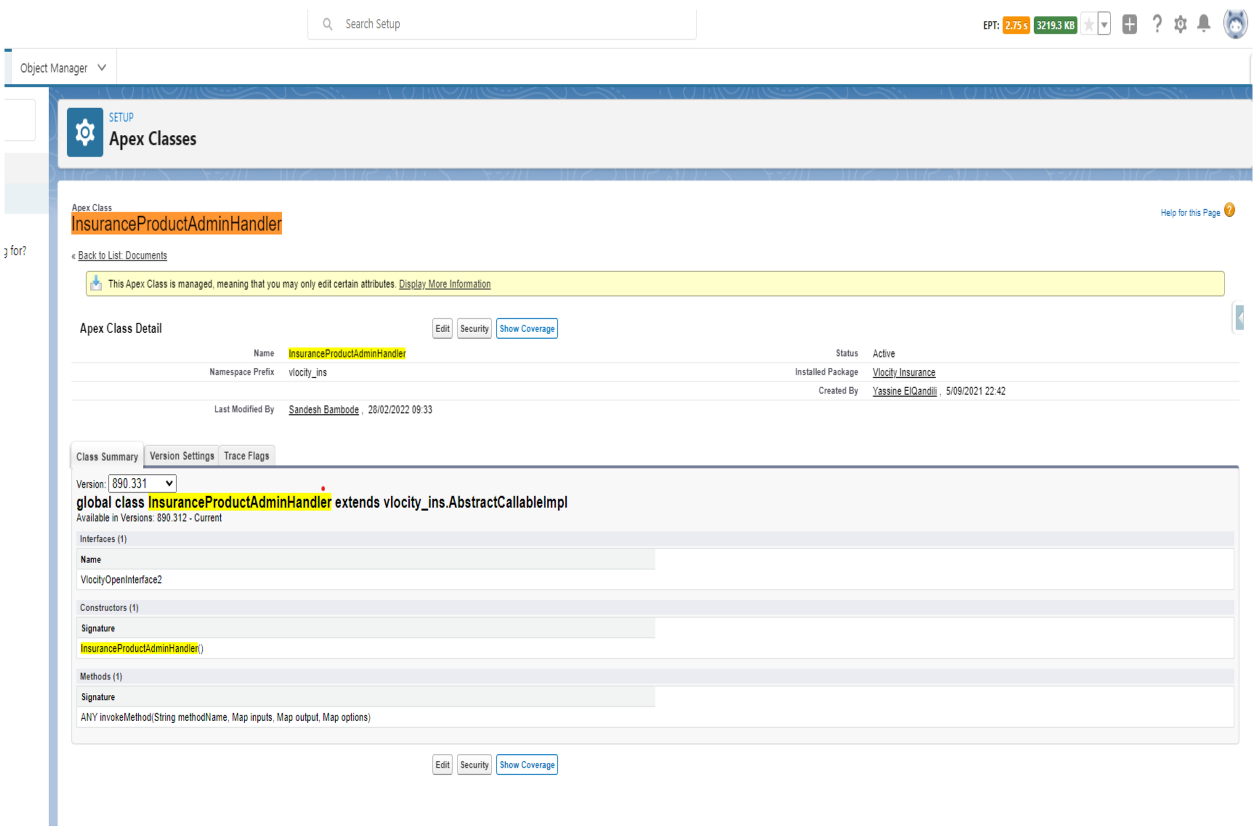
Can we write trigger, workflow on external object ==> NO
External object record mapped to salesforce account record

Custom object, external object, custom setting, custom metadata: all are object type but they are for different purposes
For an example: custom metadata is advance version of custom setting which have lookup relationship
Custom setting and custom metadata: use for labelling, webservices,
External object: it comes in integration segment

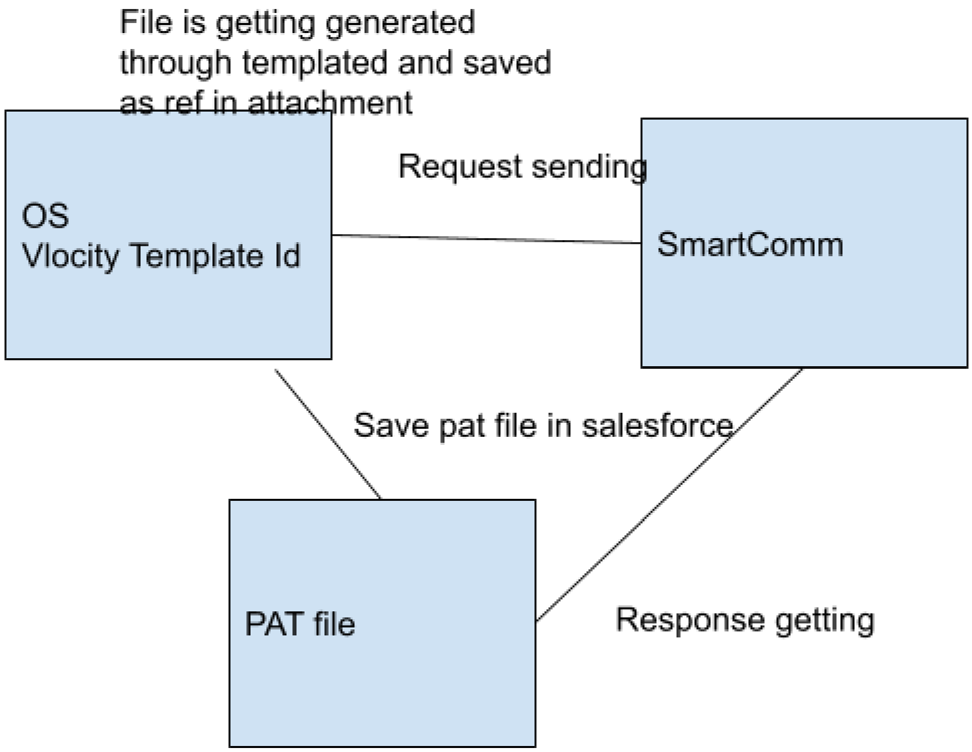
=>Platform event time in system
Platform event and time its alive in system

Vlocity template

Managed Package Stuff:-

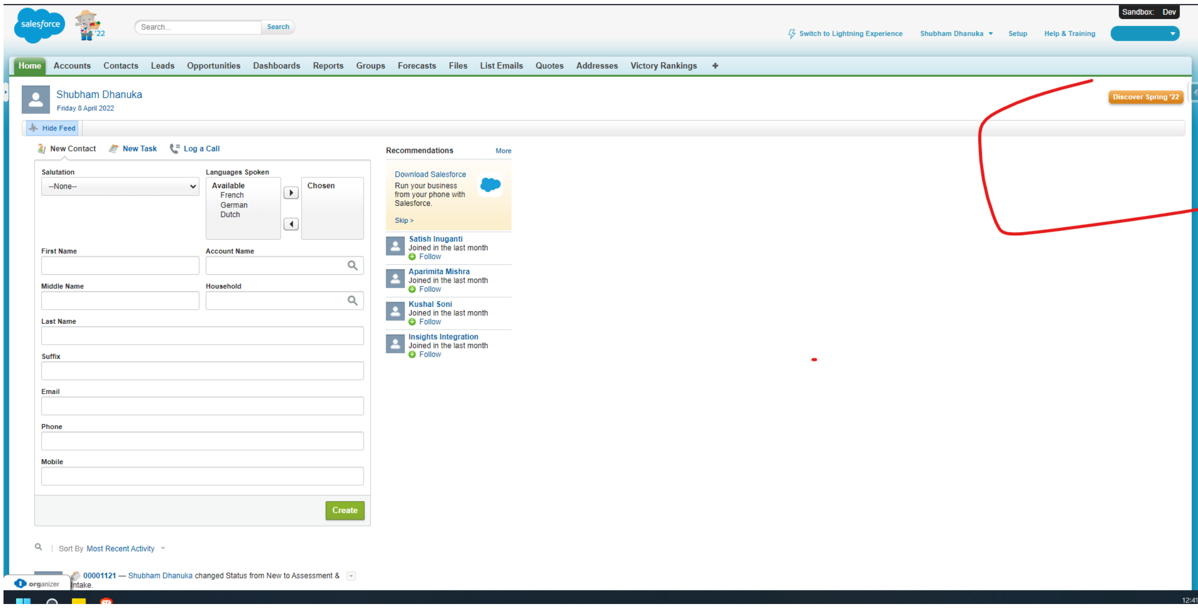


OS→ VlocityTemplateId → SmartComm Through parameter and edit parameter



Url defining
Template using
sending request information
getting back response

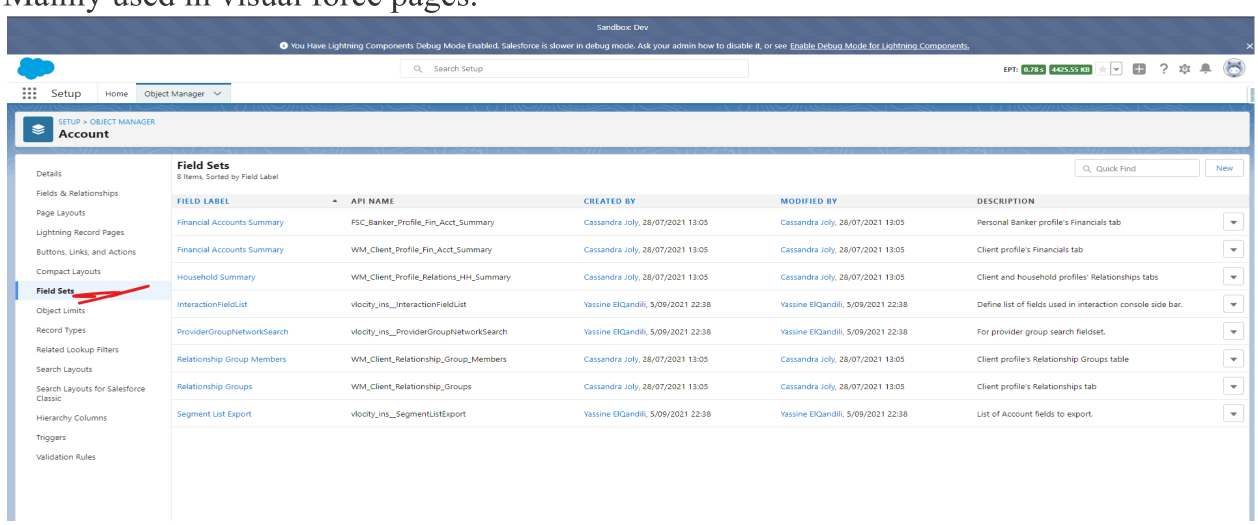
How to check the salesforce release version which we are using?
Classic -> Home tab



For more information :-
https://salesforce.stackexchange.com/questions/18905/how-can-i-tell-which-release-my-org-is-running

How to create a Salesforce case ?
help.salesforce.com

Field set in salesforce:
Groups of fields can be used together and are very useful for managed packages.
Mainly used in visual force pages.



How to make a dependent record a unique Number with another object?

Case Object : It has AutoNumber

Now this field can be a formula field :-
Which calculate all the open claim for a case

1) One way define master details relationship and Sum operator and through formula sh
2) Define record triggering flow for calculation

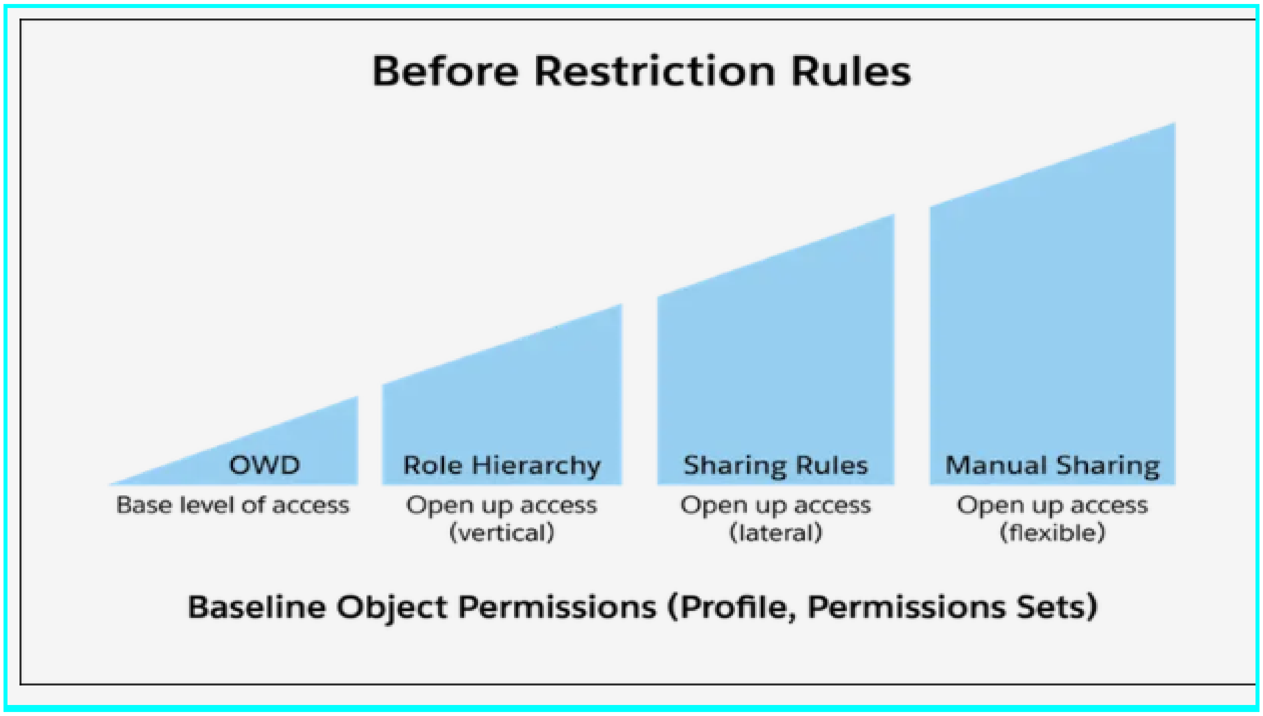
So create a Text field called Claim Number:
Before inserting any new Claim
Do Concatination (CaseNumber + "Field ")

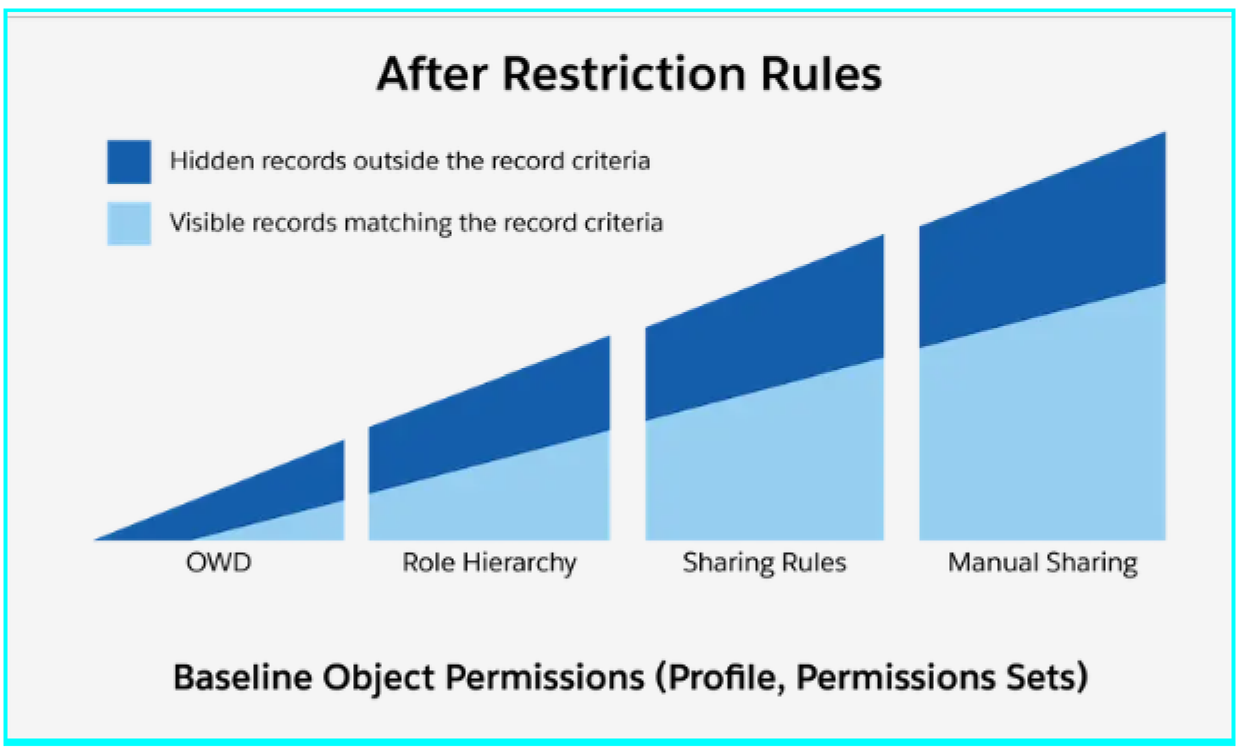
We want that AutoNumber be used in Claim with Different uniqueness

One issue if we create in standard way or through Any way which is not taking other object dependencies.

Define validation rule or prevention of creation

Security Setting in Salesforce :-





Restriction rule applies :

List Views

Lookups

Related Lists

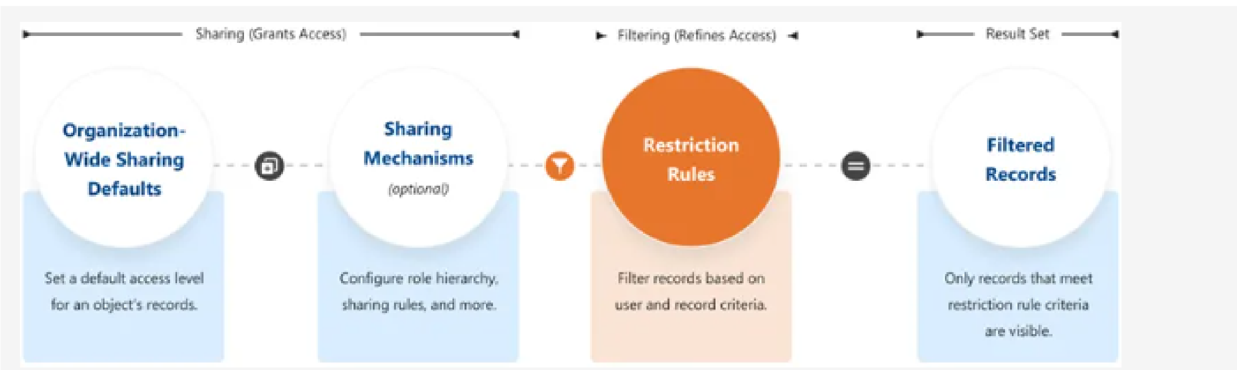
Reports

Search

SOQL

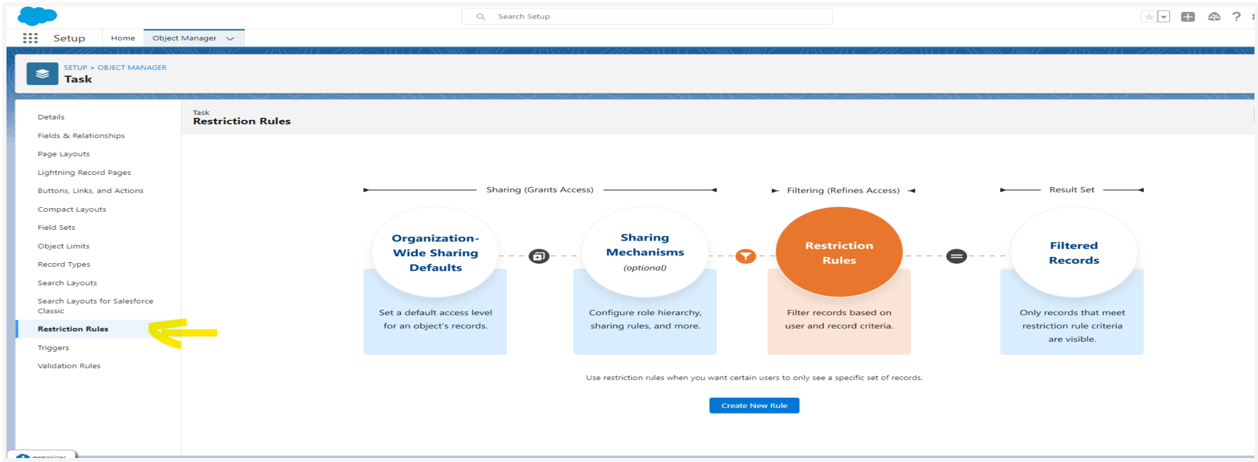
SOSL

Why is restriction needed?



Essentially, you're going to make certain records "invisible," or unavailable, for certain users. After the restriction rule is applied, certain records fall outside the parameters for what they can access.

How to find it out ?



Reusable component {Making with interaction } Standarization of package

Form fector and page layout mapping

Layout and template

Datatable selecting one row and calling method:-

```
<template>
    <div class="slds-box">
        <lightning-datatable key-field="Id" data={data} columns={columns} max-row-selection="1"
            onrowselection={handleRowSelection}>
        </lightning-datatable>
    </div>
</template>
```

```
handleRowSelection = event => {
    var el = this.template.querySelector('lightning-datatable');
    var selected = el.getSelectedRows()[0];
    console.log(JSON.parse(JSON.stringify(selected)));
    this.omniApplyCallResp({
        "selectedRow": selected

    })
}
```

Hierarchy :-

So When two objects are dependent on each other:-
E.g: Activity, Task
E.g: Account, Person Account
They form a hierarchy (its standard one)

Account Heriachy : Standard, (Add button in paglayout to see it)
Column can be adjust in Hireachy of object in Object manager itself.

Now in FSC, Account and Person Account Object are completely related to each other.

So all **account fields** are visible on **person account** object
And all **person account page layout** are visible on **account object**

Now, How to see page layout assignment ?
Object => page layout assignment
And when they are in hierarchy its better to check at profile level

How to see record type?
Standard fields are there
Inspector record id is there

Formula is always read only.

—---

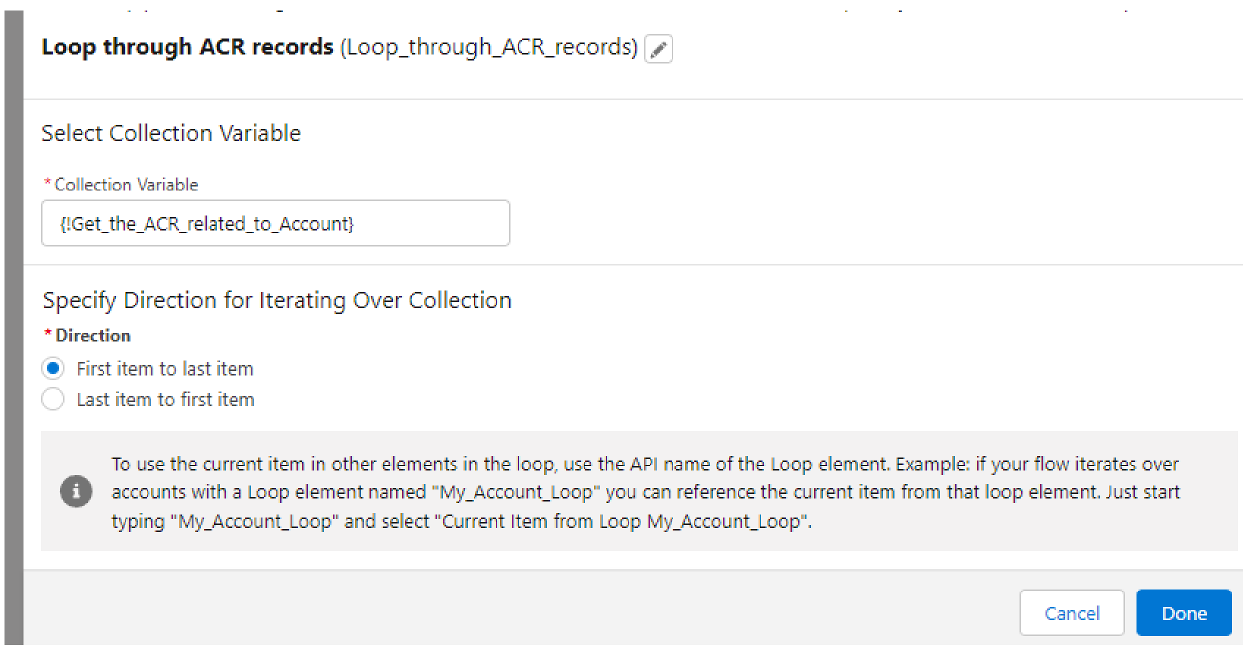
Screen FLOW

—---

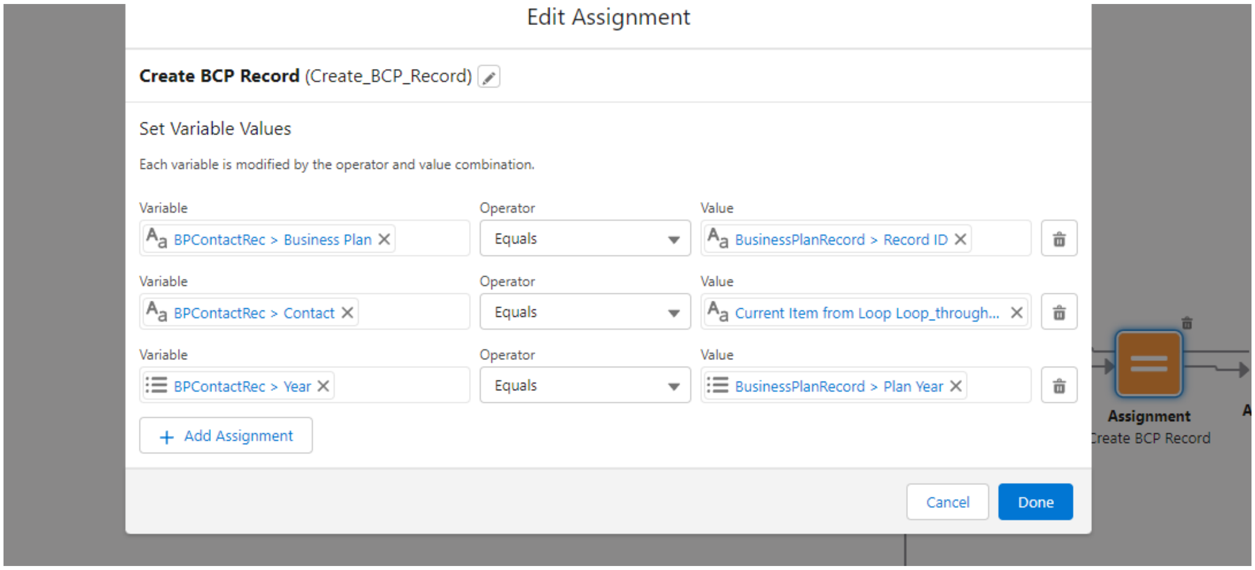
Action
Subflow
Loop
Decision
Assignment
Create record
Get record
Update record
Delete record

Loop variable:-
Define collection
For each item what assignment/ changes u wanna do
Add all those changes into a resource variable
After last item do action

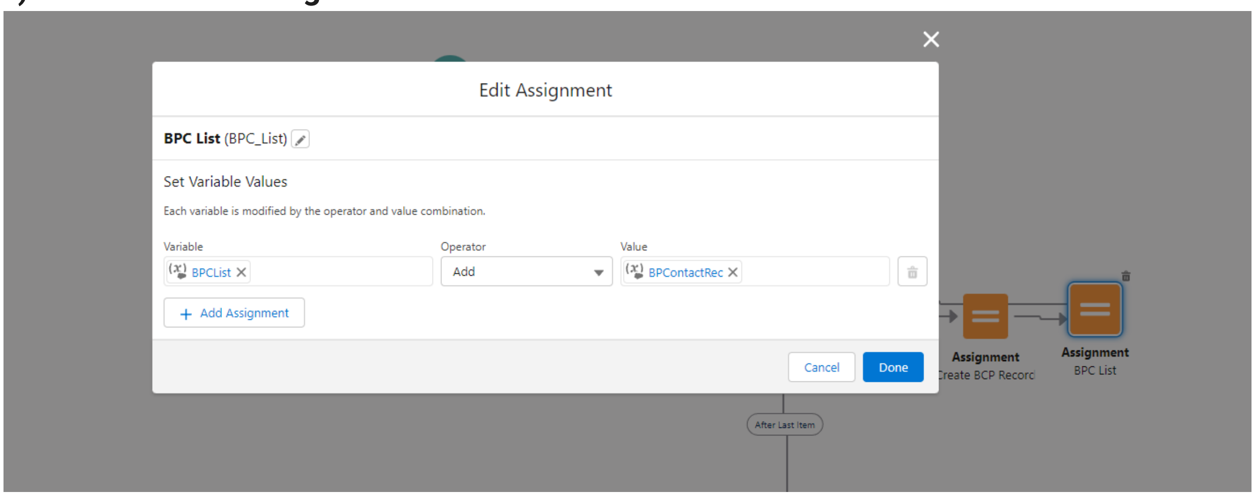
Define collection :



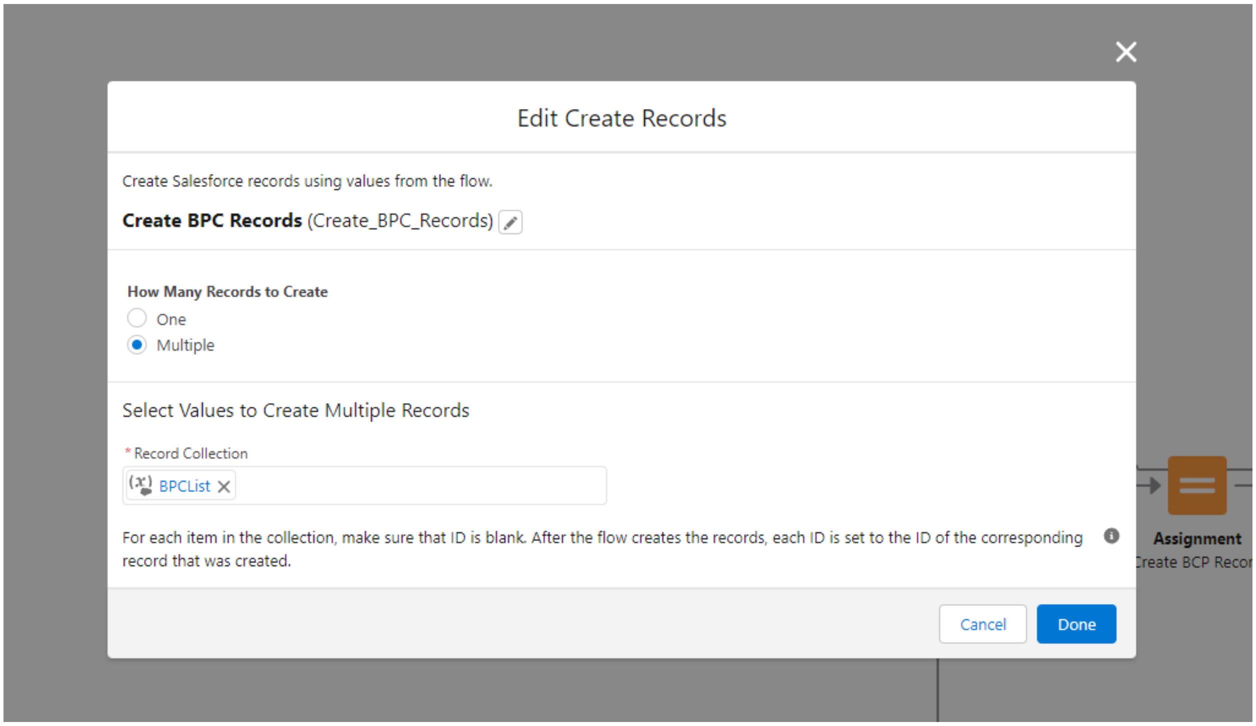
For each item what assignment/ changes u wanna do



3) Add all those changes into a resource variable



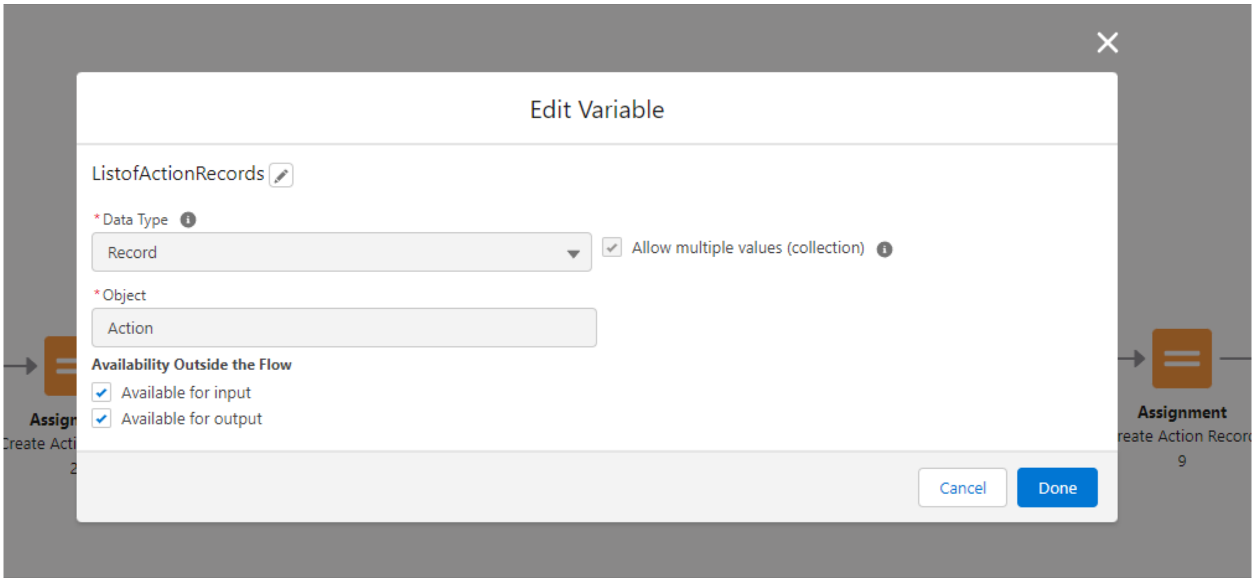
4) create and update record:-



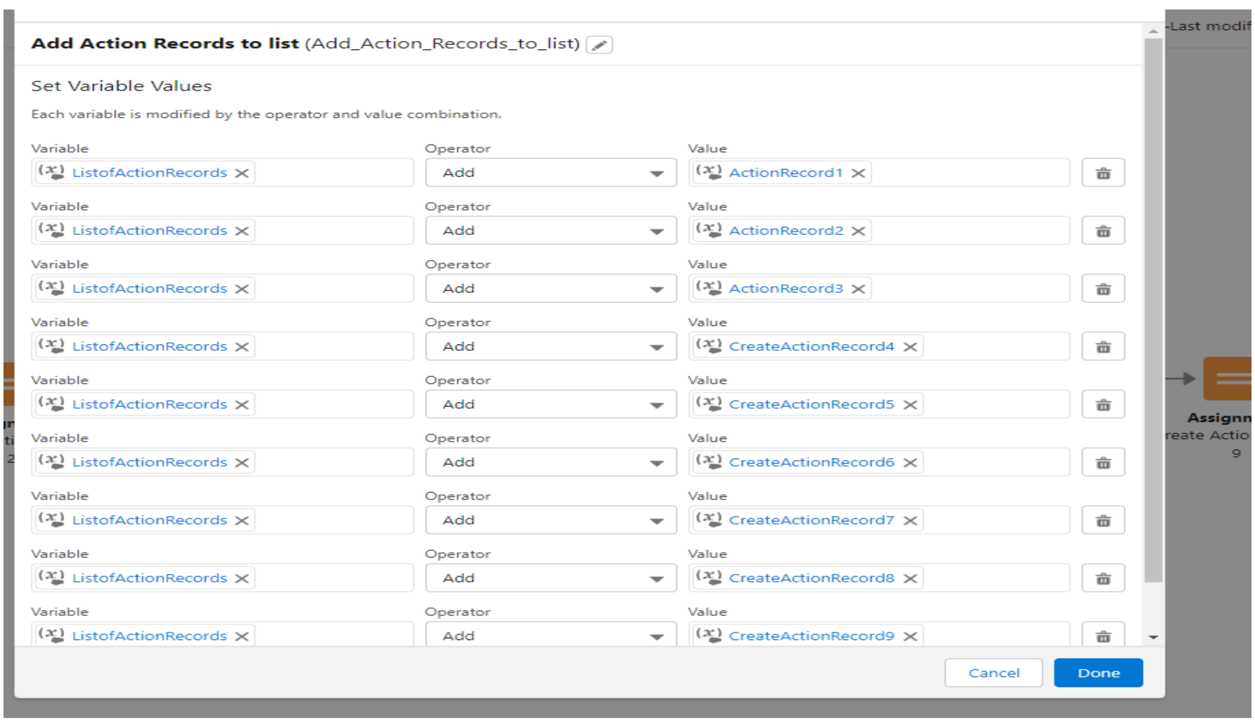
Note:
Suppose in screenflow, u wanna initalize the variable with object type.
Just create **resources of that type.**
For list and single instance, define accordingly. **(check the check box)**
For input and output define accordingly. **(check the check box)**
For null value check : **isNull equal to false.**
For particular recor : {!$Record.Owner:User.Email}

List work:-

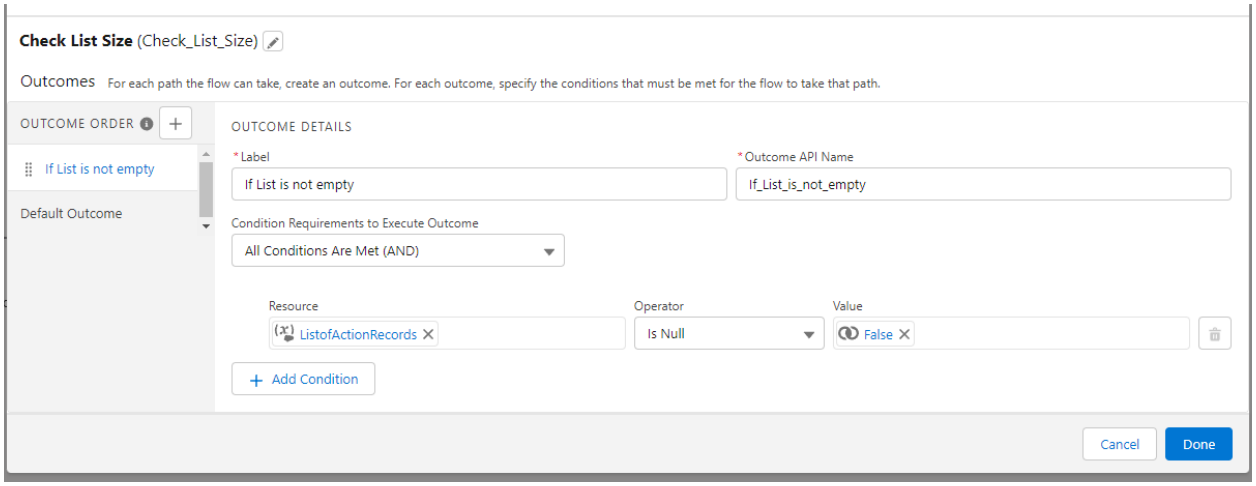
How to initiated a List variable resource :-



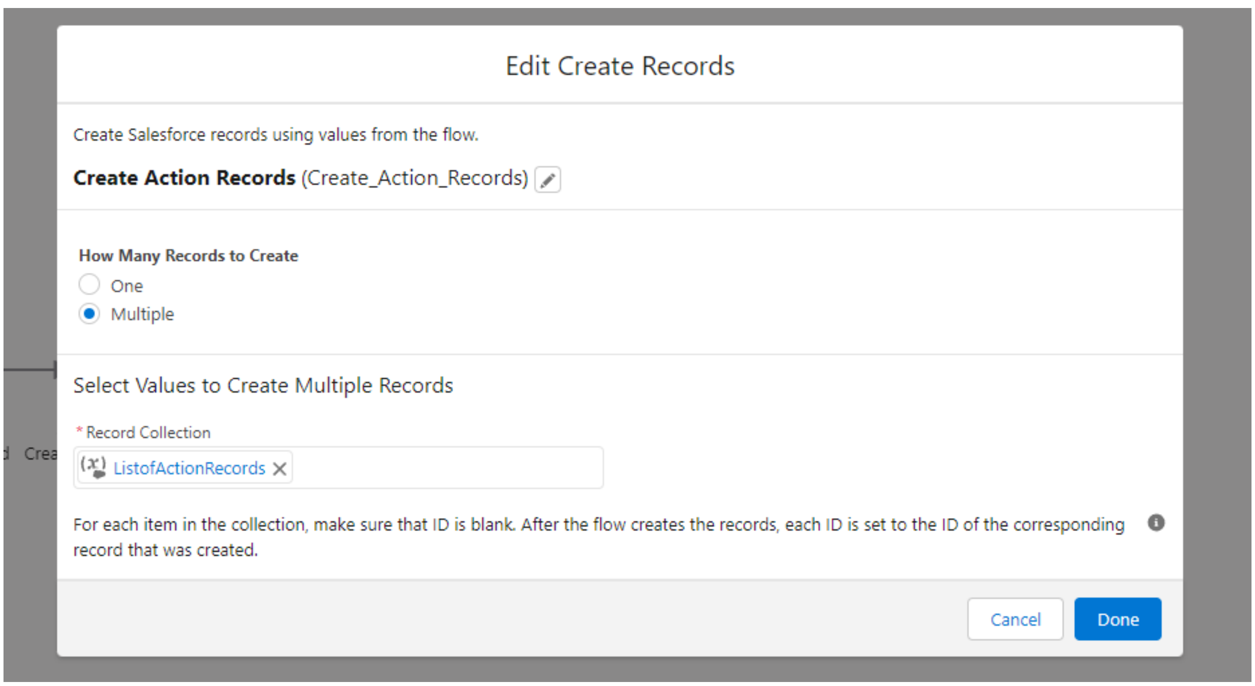
How to add item in this list?



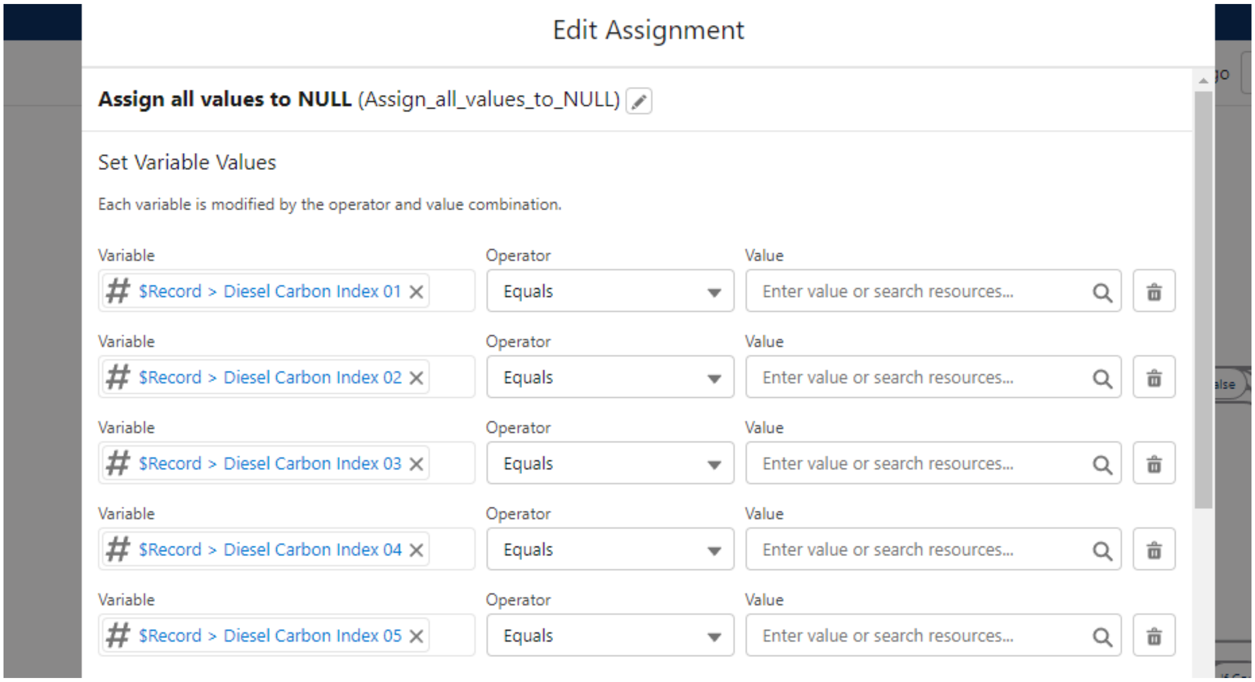
How to check listsize and null value?



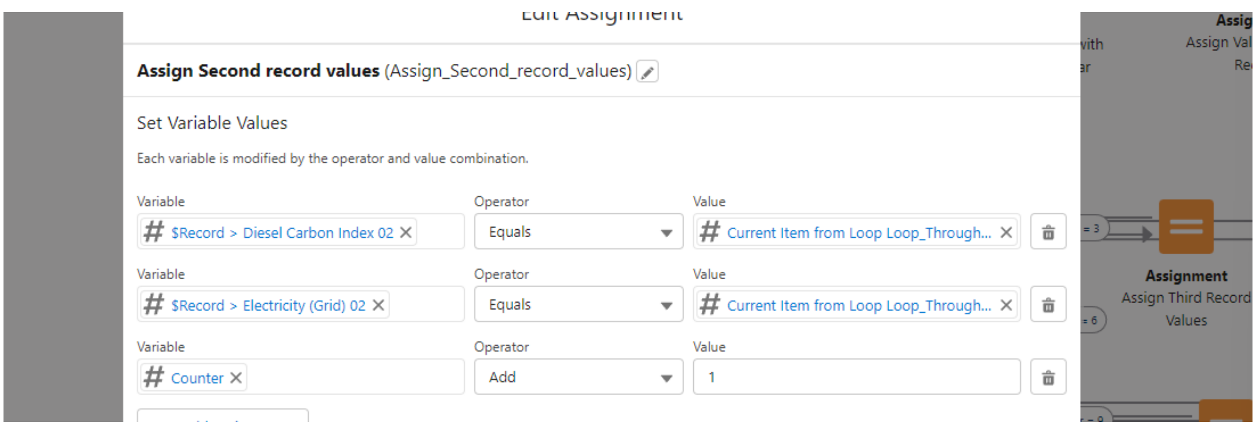
How to create records with list?



Assignment :
Null value assignment:

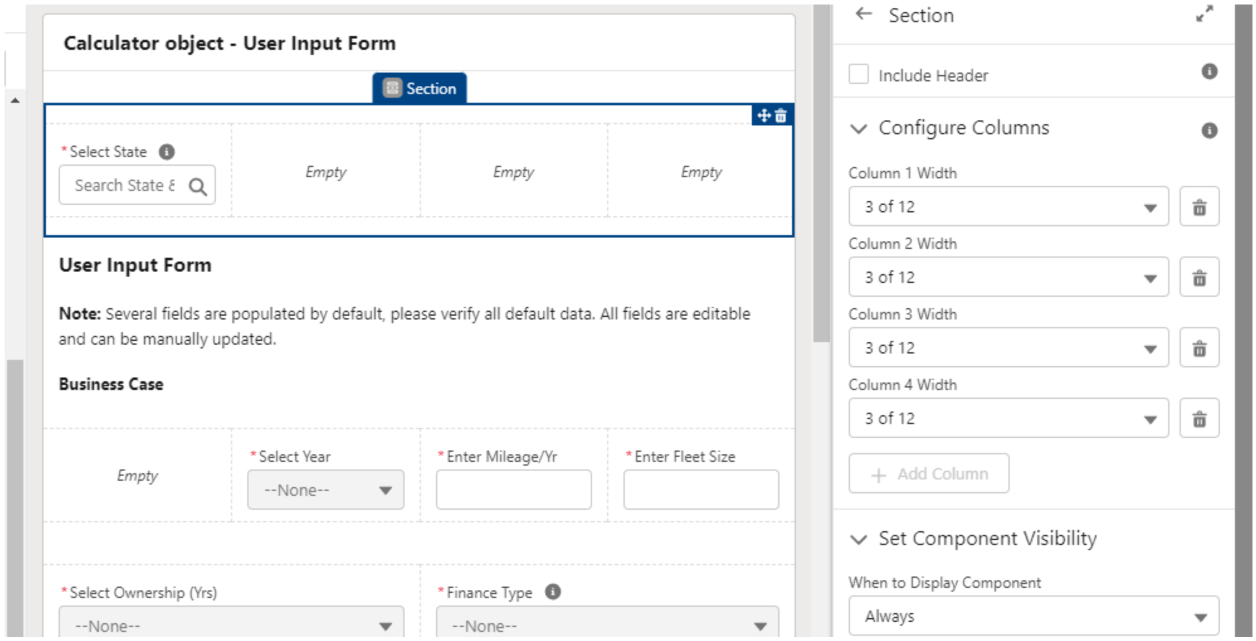


Any other value assignment:-



Screen:-
One screen at a time

Section:-

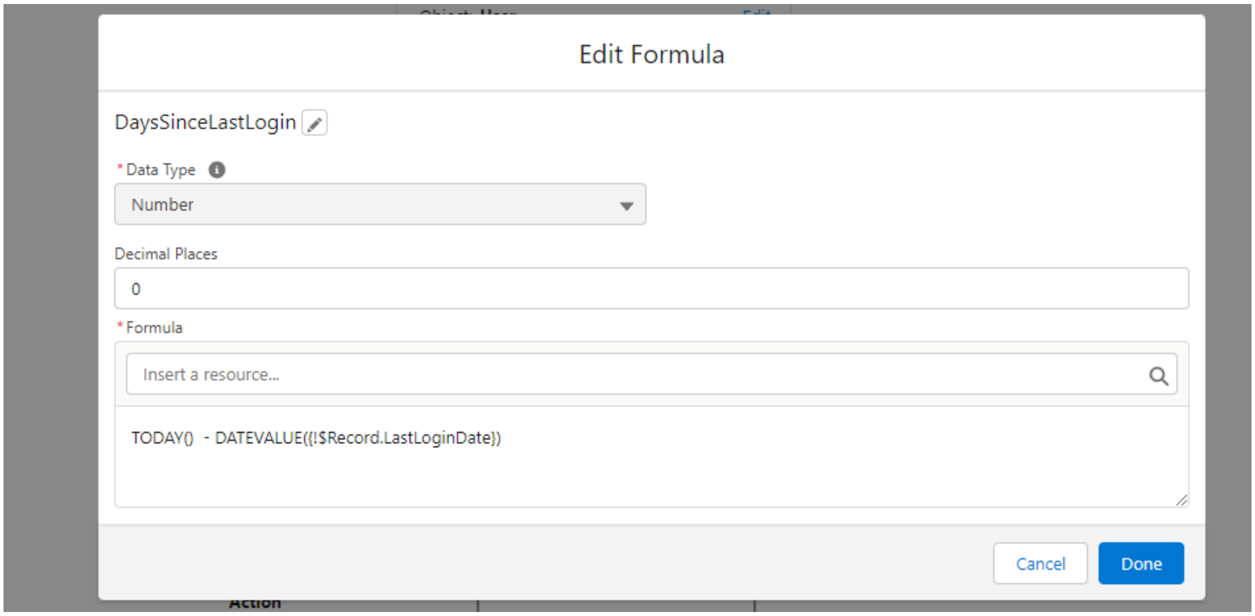


U can also set the visibility of section

Field:-
Lookup : u need to create relationship
Picklist:

Default value, required, conditional block u can define there.

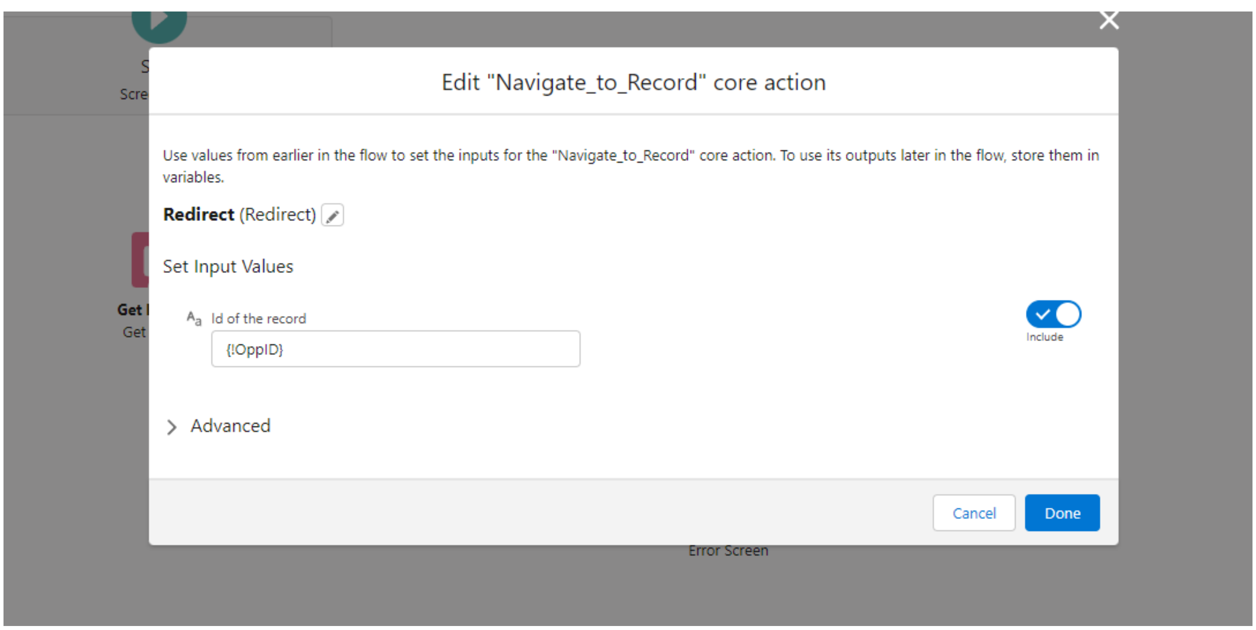
Formula:-



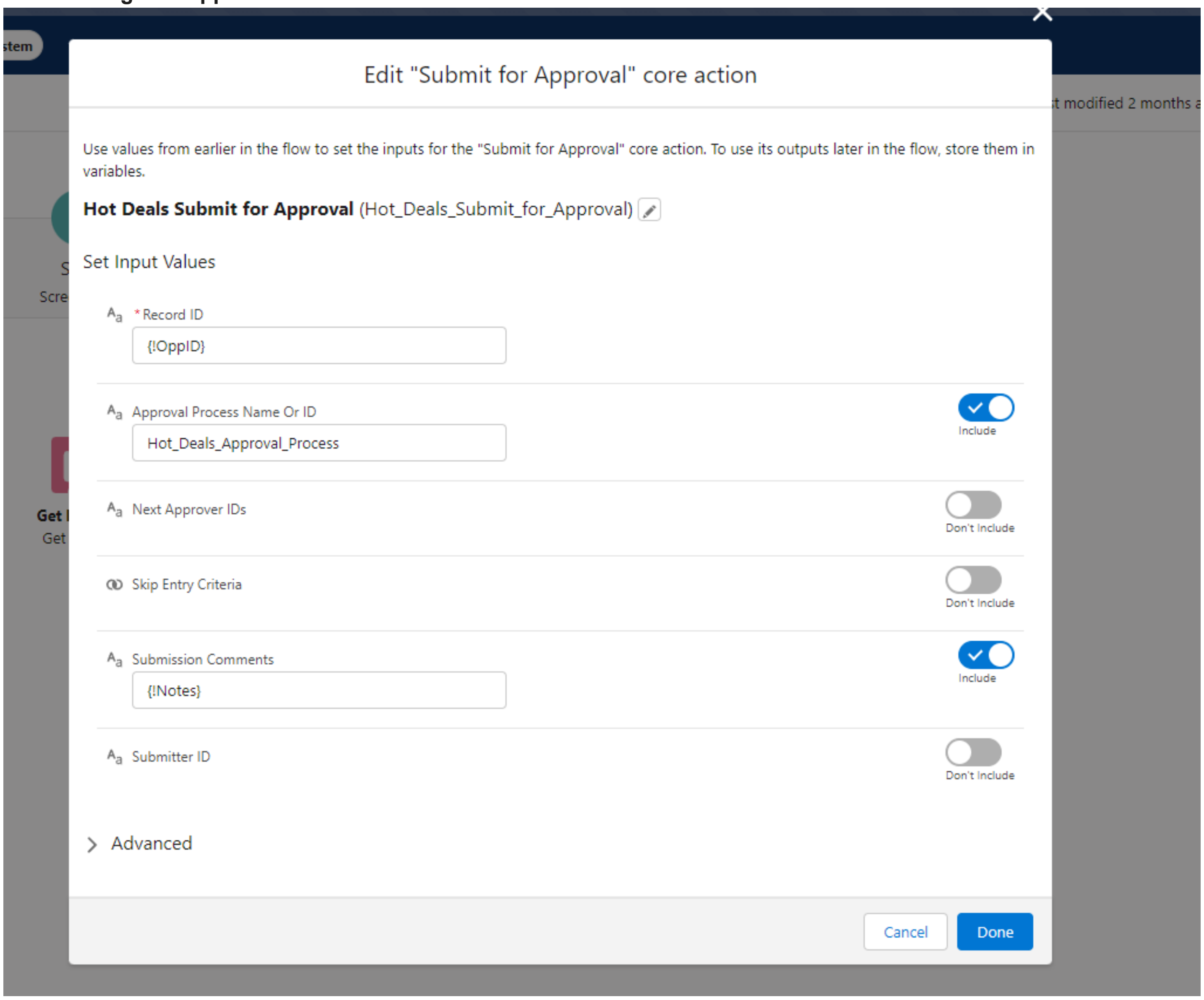
How to launch a flow from a link?

HYPERLINK("/flow/Hot_Deals_Create_Opportunity?InquiryId="+ Id , "Add to Hot Deals", "_self")

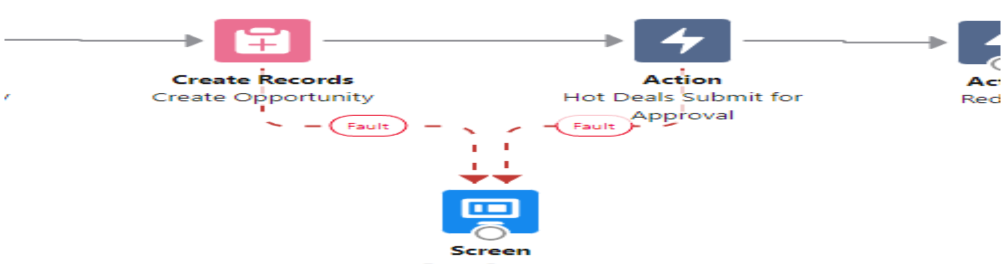
How to redirect to newly created record ?



How to assign for approval in screen flow?



How to show error in screen flow?



How to see on which object flow trigger or trigger is executing?