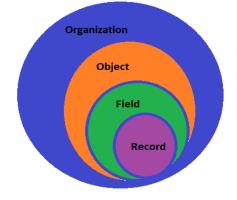
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SECURITY AND SHARING SETTINGS

There are 3 levels of security can be set within salesforce org to secure the data of object. They are

- 1. Object Level Security
- 2. Field Level Security
- 3. Record Level Security



LEVEL 1: OBJECT LEVEL SECURITY

This has been controlled in two ways such as Profile and Permission Sets.

1. Profile

It is used to set permissions to be assigned to users.

Object permissions specify the type of access that users have to objects. They are

Permission	Description				
Read (R)	Users can only view records of this type.				
Create (C)	Users can read and create records.				
Edit (E)	Users can read and update records.				
Delete (D)	Users can read, edit, and delete records.				
View All	Users can view all records associated with this object, regardless of sharing settings.				
Modify All	Users can read, edit, delete, transfer, and approve all records associated with this object, regardless of sharing settings.				

Scenario: Pravin has joined Capital info Corporation as Sales Manager would need access to below custom objects.

Sales R R R CRE CRE CRE	Profile	Trainingc	Contact	Department	Employee	Project	Trainee
	Sales	R	R	R	CRE	CRE	CRE

Create a custom profile 'Sales' with required object permissions and assign to user Pravin **Step 1** : Setup -> Administer -> Manager Users -> Profiles

Profiles	0 Q	C			
	Expand All Collapse All	Er			
Administer					
Manage Profile					

Clone Profile

Enter the name of the new profile.

You must select an existing profile to clone from.

 Existing Profile
 Standard Platform User

 User License
 Salesforce Platform

 Profile Name
 Sales

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Step 2: Object Permissions

Standard Object Permissions

		B	asic	Access	6		Data Admini	istration
		R	ead	Create	Edit	Delete	View Al	I Modify All
	Contact	ts	✓					
Custom Ob	oject Pe	rmissi	ons					
	Basic	Access	5			ata Iminist	ration	
	Read	Create	Edit	t Delei	te Vie	w All	Modify All	
Departments	✓							
Employees	\checkmark	\checkmark	v	1				
Projects	\checkmark	~	¥					

Step 3: Assign to user Pravin

^{User Edit} Pravin Jana

User Edit	Save	Save & New Cance	I
General Inform	nation		
First Name	Pravin	Role	Sales Manager
Last Name	Jana	User License	Salesforce Platform
Alias	pjana	Profile	Standard Platform User •
Email	vkranjithkrishnan@gmail.c	Active	Accountant Sales
Username	pravin.jana@ranjithbatch1	Marketing User	Standard Platform User

2. Permission Set

It consists of permissions to be assigned to users addiitonally further to profile permissions. More than one permission set can be assigned to users.

Scenario:

Among the sales managers, only Pravin requires create and edit permission to Training objects. **Step 1:** Setup -> Administer -> Manager Users -> Permission Sets

Home Chatter Daily Notes	+		
Permission Q Q	Permission Sets		
	On this page you can create, view, ar		
Administer	In addition, you can use the Salesford Google Play: <u>iOS Android</u>		
Manage Users			
Permission Sets	All Permission Sets Edit Delet		
	New		

Step 2: Go to Object Setting section and enable as below

	Trainings	Edit					
C	Object Permissions						
	Permission Name	Enabled					
	Read	V					
	Create	V					
	Edit	V					
	Delete						

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Step 3: GO to user page and section 'Permisison Set Assignments' and choose the created permission set.

Permission Set Assignments Pravin Jana

	Save	inc	el	
Available Permiss	ion Sets			
CRM User		*		None
Edit Department				
Edit Training			Add	
Sales Cloud User				
Calcoforce Concele Lleer				

LEVEL 2: FIELD LEVEL SECURITY

This is controller below the respective objects in profile or permisison sets.

Scenario: Pravin can read/edit all the fields in the training object but not the Course Fee.

Step 1: Go to Pravin's profile and under Field Level Security section.

Field-Level Security	
Standard Field-Level Sec	urity
Account	[<u>View</u>]
Asset	[View]
Asset Relationship	[<u>View</u>]
Campaign Member	[<u>View</u>]
Coaching	[<u>View</u>]
Contact	[}{om]
Coaching	[<u>View</u>]

Step 2: Go to cutom object 'Trainnig' then do the below changes

	Save Cancel		
Field Name	Field Type	Read Access	Edit Access
Active	Checkbox		
Availability	Text	✓ Unc	heck both Rea
Course Duration	Number	✓ Edit	Access
Course End Date	Date/Time		
Course Fee	Currency		

LEVEL 3: RECORD LEVEL SECURITY

Pravin can only read/edit the records owned by him as per Object and Field Level. But as the role hierarchy he will be able to read/edit records owned by his sub-ordinates. For example, the role hierarchy in his Org (Setup -> Administer -> Manage Users -> Roles)

1. Roles

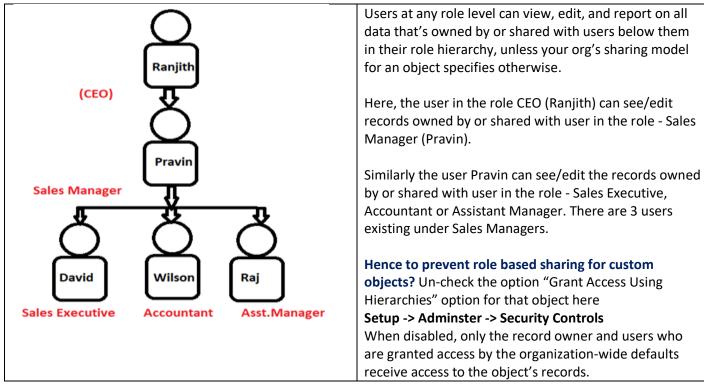




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User assigned as below



2. Organization Wide Default

This is used to set the level of access that each user can have on others data. There are 5 levels of access we can set as below

OWD Default Access	Purpose
Private	Only the record owner, and users above that role in the hierarchy, can view, edit, and report on those records.
	For example, if Tom is the owner of an account, and he is assigned to the role of Western Sales, reporting to Carol (who is in the role of VP of Western Region Sales), then Carol can also view, edit, and report on Tom's accounts.
Public Read Only	All users can view and report on records but not edit them. Only the owner, and users above that role in the hierarchy, can edit those records. For example, Sara is the owner of ABC Corp. Sara is also in the role Western Sales, Field Description reporting to Carol, who is in the role of VP of Western Region Sales. Sara and Carol have full read/write access to ABC Corp. Tom (another Western Sales Rep) can also view and report on ABC Corp, but cannot edit it. Public
Public Read/Write	All users can view, edit, and report on all records. For example, if Tom is the owner of Trident Inc., all other users can view, edit, and report on the Trident account. However, only Tom can alter the sharing settings or delete the Trident account.
Public Read/Write/Transfer	All users can view, edit, transfer, and report on all records. Only available for cases or leads. For example, if Alice is the owner of ACME case number 100, all other users can view, edit, transfer ownership, and report on that case. But only Alice can delete or change the sharing on case 100.
Public Full Access	All users can view, edit, transfer, delete, and report on all records. Only available for campaigns. For example, if Ben is the owner of a campaign, all other users can view, edit, transfer, or delete that campaign.

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Scenario:

Restrict read/edit access to all users in the org for training object.

Set OWD as Private: Only the record owner, and users above that role in the hierarchy, can view, edit, and report on those records.

Default Sharing Settings			
Organization-Wide Default	S Edit		Organization-Wide Defaults Help 💿
Object	Default Internal Access	Default External Access	Grant Access Using Hierarchies
Lead	Public Read/Write/Transfer	Public Read/Write/Transfer	\checkmark
Training	Private	Private	\checkmark

3. Sharing Rules

The feature called 'Sharing rule' helps to grant the records under Private or Public Read Only model to Users through Public Groups, Roles, and Roles & Sub-ordinates. Sharing rule can be based on record ownership or other criteria.

Owner-Based Sharing Rules

An owner-based sharing rule opens access to records owned by certain users.

Criteria-Based Sharing Rules

A criteria-based sharing rule determines with whom to share records based on field values.

Scenario: Only Sales Manager can read/edit the training records which is in progress.

Setup -> Administer -> Security Controls -> Sharing Settings

Step 1: Click New under related list for the object.

Step 2: Choose the rule type as based on criteria

Step 3: Choose criteria from the field of the object ((Field = 'Status').

Step 4: To whom the records need to be shared.

Note: Before you come to this step, the sales users needs to be grouped as one group using feature called public group (Setup -> Administer -> Manage Users -> Public Groups).

to data, not to restrict access.

Training Sharing Rule

Step 1: Rule Name					
Label	Share Read access to Mar				
Rule Name	Share_Read_access_to_N				
Step 2: Select your ru	e type				
Rule Type	 Based on record owner Based on criteria 				
Step 3: Select which r	ecords to be shared				
Criteria	Field Operator Value Status equals In Progress equals equals<th>5</th>	5			
Step 4: Select the use	s to share with				
Share with	Public Groups Sales Group 				
Step 5: Select the leve	of access for the users				
Access Level	Read/Write T				

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Scenario:

Records owned by Sales Executive should be viewable by Accountant. This is an example scenario to share based on ownership

Step 1: Rule Name					
Label	Share Read access to Mar				
Rule Name	Share_Read_access_to_N				
Description					
Step 2: Select your rul	e type				
Rule Type	Based on record owner Based on criteria				
Step 3: Select which records to be shared					
Training: owned by members of	Public Groups				
Step 4: Select the user	rs to share with				
Share with	Public Groups				
Step 5: Select the leve	l of access for the users				
Access Level	Read Only V				

4. Manual Sharing (This is available ONLY in classic)

You can use this manual sharing option to give specific other users access to an individual record on demand. Sometimes, granting access to one record includes access to all its associated records.

For example, if you grant another user access to an account, the user automatically has access to all the opportunities and cases associated with that account.

This can be done using **Sharing** button displayed on record detail pages.

Scenario:

Pravin would like to share his training record to another user in the org with read access.

Step 1: Go to detail page of the record to be shared

Training Detail		Edit Delete Clone	Sharing
Training No	TRN-005		\sim

Step 2: Click on Add button and share with necessary users | public Group | Roles | Roles & Sub-Ordinates.

User and Group Sharing		Add Expand List	
Action	Туре	Name 🛧	Access Level
	User	Jana Pravin	Full Access
	Public Group	Sales Group	Read Only
	Public Group	VP	Read/Write

Note: This button will appear only if the OWD is private or public read-only because otherwise (say public read/write), you wouldn't need it.

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