

Preventing Unauthorized Access to Customer Data

Phase	1A
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Objectives: ↗

1. **Objective 1:** Ensure only relationship managers can view financial details (transactions).
2. **Objective 2:** Ensure agents only see customer records (transactions) assigned to them.

Assumption 1: Basic Profile Permissions with View All Access ↗

Configurations ↗

1. Profiles:
 - Relationship Manager Profile:
 - Object Permissions: View All , Read , Edit on the Transaction object.
 - Field-Level Security: Full access to all fields.
 - Agent Profile:
 - Object Permissions: Read on the Transaction object (no View All , Read).
 - Field-Level Security: Hide sensitive financial fields (e.g., Amount , Payment_Details).
2. Organization-Wide Defaults (OWD):
 - Set Transaction object to Private.
 - Enable Grant Access Using Hierarchies.
3. Role Hierarchy:
 - Relationship Managers are placed above Agents in the hierarchy.
4. Sharing Model:
 - Agents can only view records where they are the Owner.

Outcomes [↗](#)

- **Objective 1:**
 - Managers see all transactions due to `View All` permission (overrides OWD).
 - **Objective 2:**
 - Agents see only records they own.
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Assumption 2: Record Types and Sharing Rules [↗](#)

Configurations [↗](#)

1. **Profiles:**
 - **Relationship Manager Profile:**
 - **Object Permissions:** `Read`, `Edit` (no `View All`).
 - **Field-Level Security:** Access to all fields.
 - **Agent Profile:**
 - **Object Permissions:** `Read` (no `Edit` or `Delete`).
 - **Field-Level Security:** Hide financial fields.
2. **Record Types:**
 - Create two record types for the `Transaction` object:
 - i. **Financial** (visible only to managers).
 - ii. **Customer** (visible to agents).
3. **Organization-Wide Defaults (OWD):**
 - Set `Transaction` object to **Private**.
 - Enable **Grant Access Using Hierarchies**.
4. **Sharing Rules:**
 - **For Managers:**
 - **Rule Name:** `Share Financial Transactions to Managers`.
 - **Criteria:** `Record Type = Financial`.
 - **Access Level:** `Read/Edit`.

Outcomes [↗](#)

- **Objective 1:**
 - Managers see all `Financial` record type transactions via sharing rules.
 - **Objective 2:**
 - Agents see only `Customer` record type transactions assigned to them.
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Assumption 3: Restrict Agents to See Only Custom Transactions [↗](#)

Configurations [↗](#)

1. **Profiles:**
 - **Relationship Manager Profile:**
 - Full access to both **Financial** and **Custom** Transactions.
 - **Agent Profile:**
 - Access restricted to **Custom Transactions** only.
 - Financial fields are hidden via **Field-Level Security (FLS)**.

2. Organization-Wide Defaults (OWD):

- Transaction__c is controlled by its parent (Account) due to **Master-Detail** relationship.
- Account is **Private**, ensuring transactions are only accessible through account-level sharing.

3. Record Types:

- **Financial Transactions** → Only visible to Relationship Managers.
- **Custom Transactions** → Accessible by both Managers and Agents.

4. Restriction Rule:

- Applied to **Agents** to limit access to only **Custom Transactions**, even if transactions are shared through hierarchy or manual sharing.

5. Field-Level Security (FLS):

- Financial fields are hidden from Agents.

Outcomes [↗](#)

- **Objective 1:**
 - **Managers retain full access** to all transactions, including **Financial** and **Custom** records.
- **Objective 2:**
 - **Agents can only see Custom Transactions**, even if they have access to the parent Account.
 - **Financial Transactions remain hidden** in List Views, Reports, and SOQL queries.

Assumption 4: Validation Rule for Financial Records [↗](#)

Configurations [↗](#)

1. Either Assumption 1, 2, and 3 can be implemented with this validation. If a financial record is mistakenly assigned to an agent, this validation will prevent it.
2. **Validation Rule:**
 - **Rule Name:** Prevent_Agent_Assignment_To_Financial_Records .
 - **Formula:**

```
1 AND(  
2   $User.Profile.Name = "Customer Service Agent",  
3   RecordType.DeveloperName = "Financial"  
4 )
```

- **Error Message:** "Agents cannot be assigned to financial transactions. Contact a Relationship Manager."

Outcomes [↗](#)

- Blocks agents from being assigned to **Financial** record type transactions.