

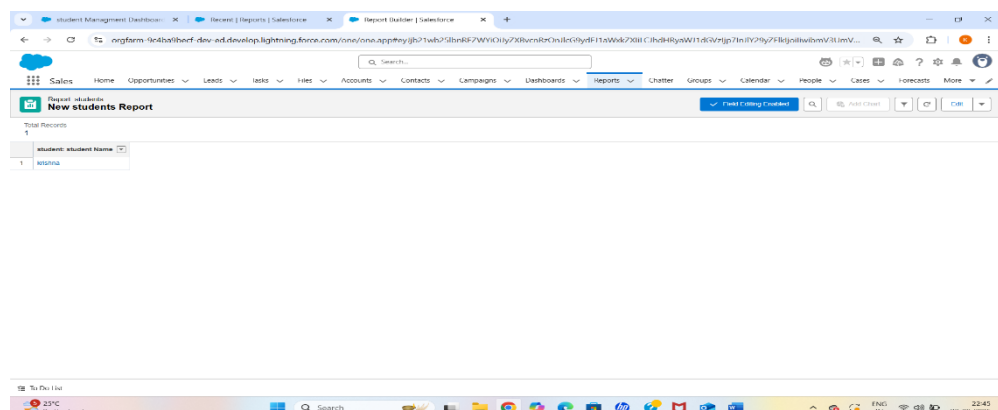
Phase 9: Reporting, Dashboards & Security Review

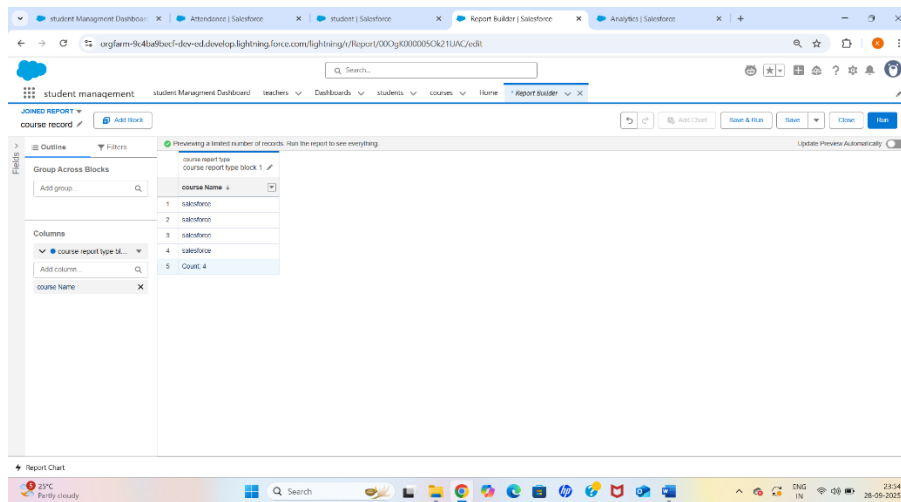
Goal :

Deliver **powerful reporting & analytics** (Reports, Dashboards, Dynamic Dashboards) and implement **robust security controls** (Sharing Settings, Field-Level Security, Session Settings, IP Ranges, Audit Trail) to ensure data is both actionable and protected.

1. Reports (Tabular, Summary, Matrix, Joined)

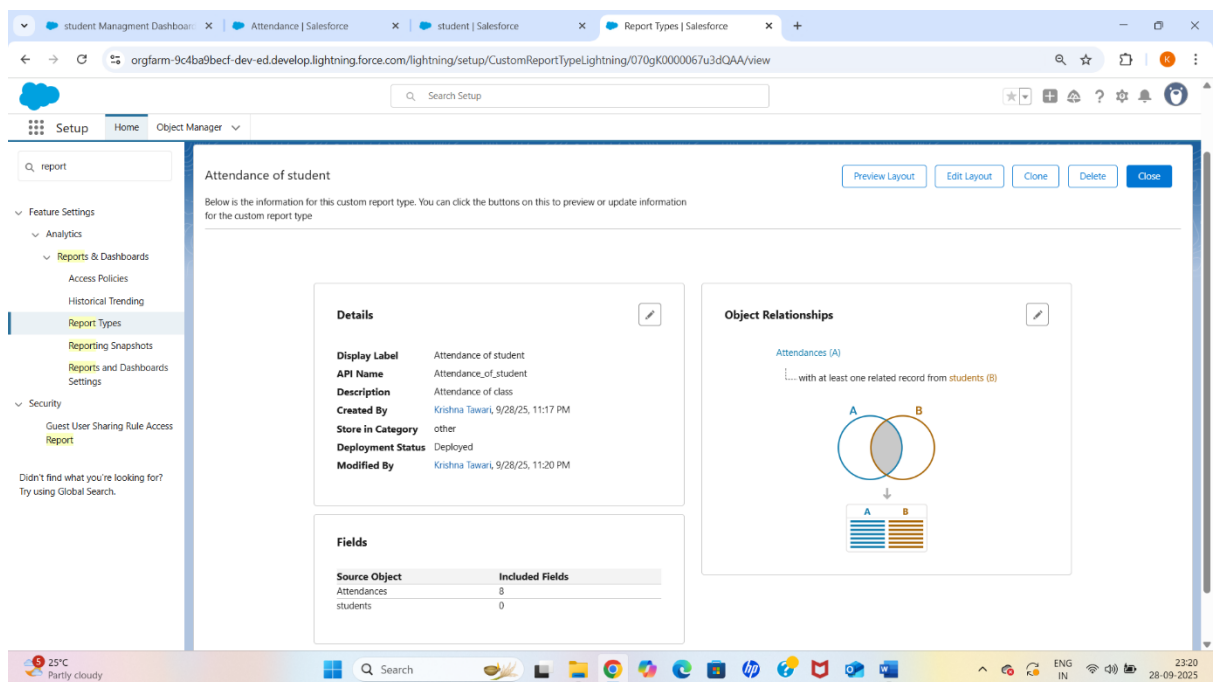
- **Tabular Reports:**
 - Student List Report (Basic student details)
 - Attendance List Report (Daily/Monthly attendance)
- **Summary Reports:**
 - Class-wise Student Count
 - Attendance Percentage by Class
 - Grade Distribution Summary
- **Matrix Reports:**
 - Attendance Matrix (Rows = Classes, Columns = Months)
 - Grade Performance Matrix (Rows = Subjects, Columns = Terms)
- **Joined Reports:**
 - Student + Attendance + Grades combined view for holistic performance analysis
 - Course Enrollment + Completion Rate joined report

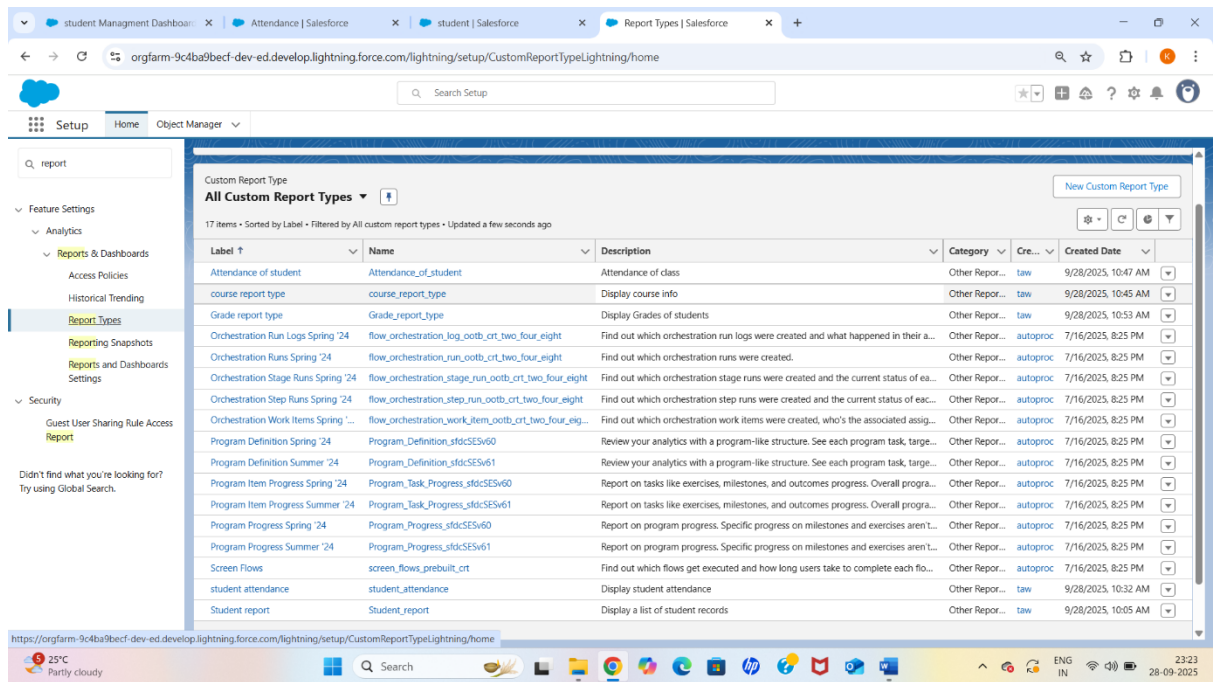




2. Report Types

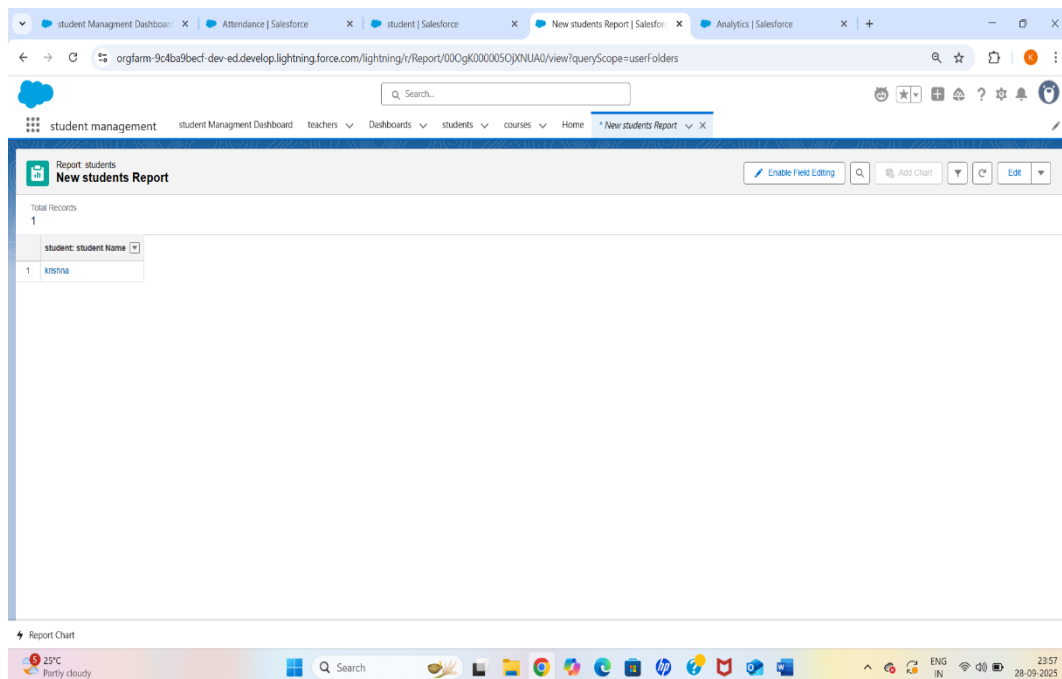
- **Student Report Type:** Includes student personal details, contact info
- **Attendance Report Type:** Links Student → Attendance records
- **Grades Report Type:** Links Student → Grades with term/subject info
- **Courses Report Type:** Links Student → Courses enrolled, status, teacher details





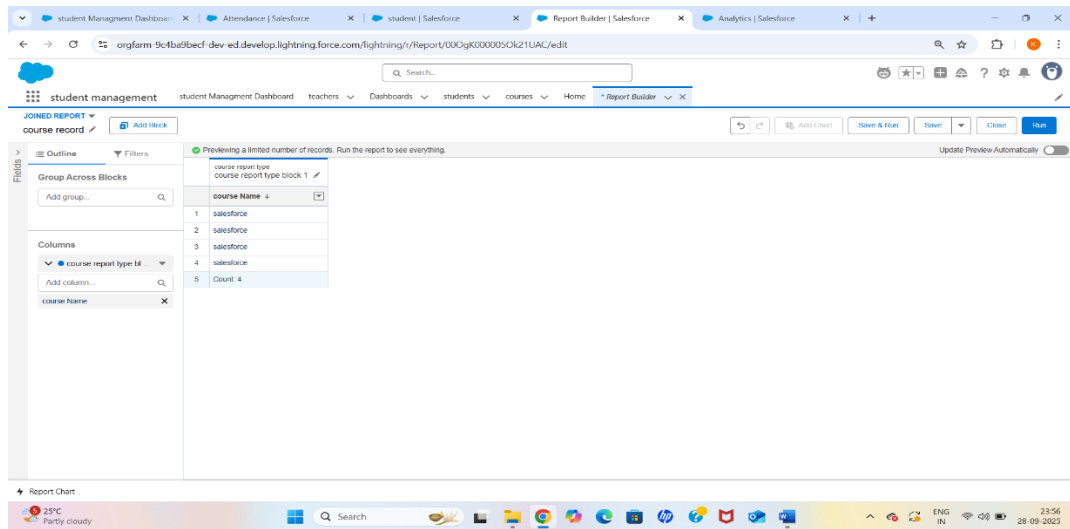
3. Dashboards

- **Student Overview Dashboard:** Total Students, New Admissions, Dropouts
- **Attendance Dashboard:** Present %, Absent %, Class-wise charts
- **Grades Dashboard:** Average Grades per Class, Top Performers, At-Risk Students
- **Course Dashboard:** Enrolment Trends, Most Popular Courses



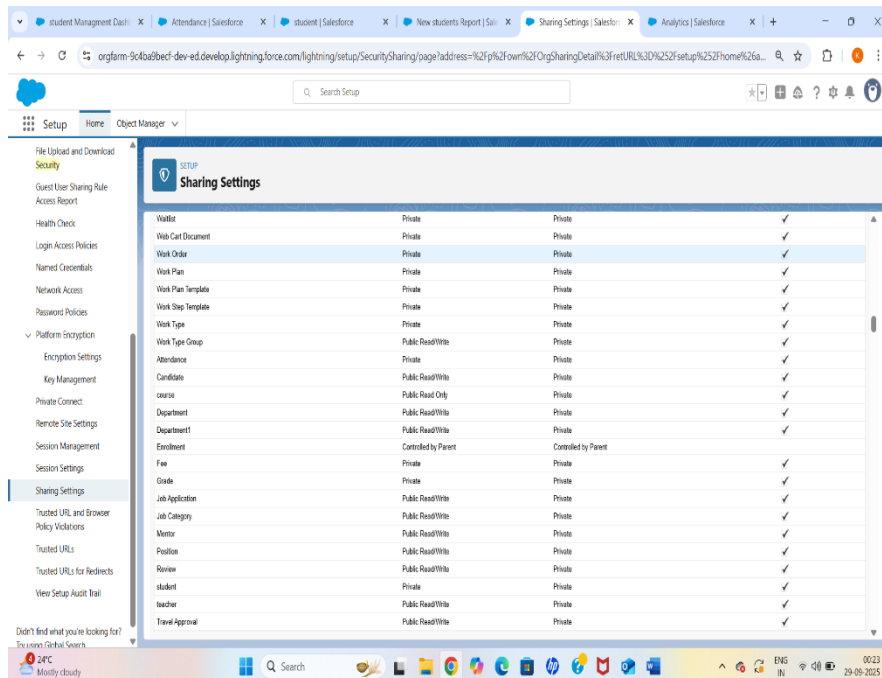
4. Dynamic Dashboards

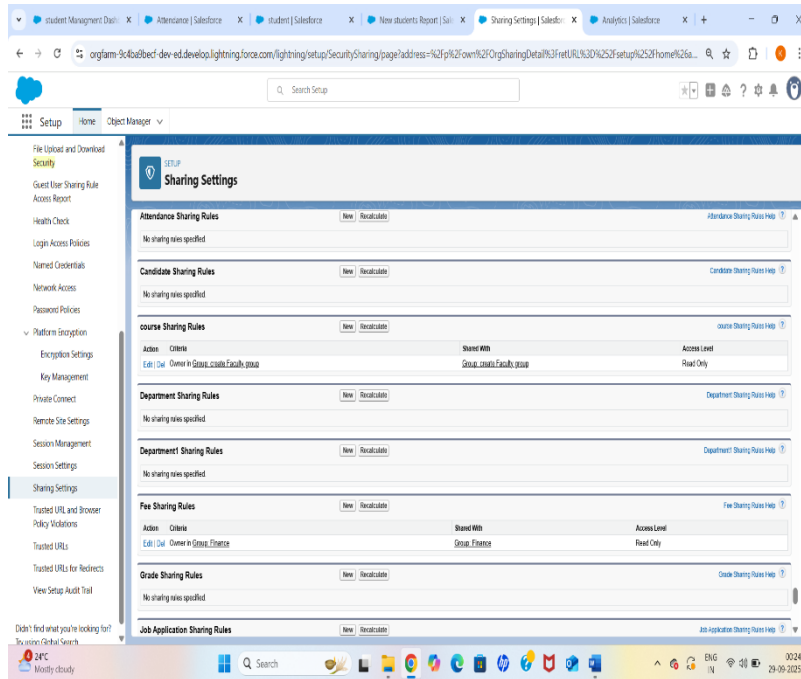
- Configured dashboards to **run as logged-in user** so each Teacher sees only their class data, Principal sees their school data, and Admin sees all data.
- Applied **dashboard filters** (Class, Term, Subject) for real-time drill-down.



5. Sharing Settings

- Organization-Wide Defaults (OWD):**
 - Students, Attendance, Grades = Private
 - Courses = Controlled by Parent





- **Role Hierarchy:**

- Admin > Principal > Teacher > Student

- **Sharing Rules:**

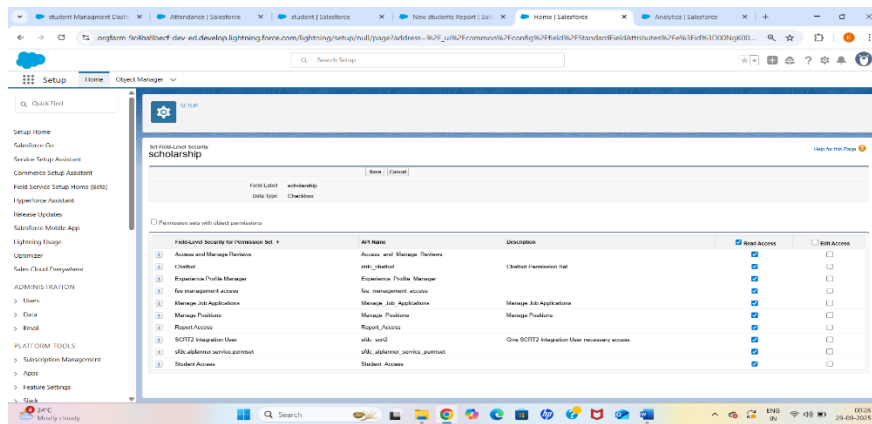
- Criteria-based rules to share records with Teacher Groups based on Class/Section
- Owner-based sharing for Principals to access all data under their school

6. Field-Level Security

- **Sensitive Fields Restricted:**

- SSN, Parent Contact Info → Visible to Admin & Principal only
- Fee Details → Visible to Admin only
- Grades → Read-Only for Teachers, Visible to Principal/Admin

- **Profiles Configured:** Admin, Principal, Teacher, Student with tailored field visibility

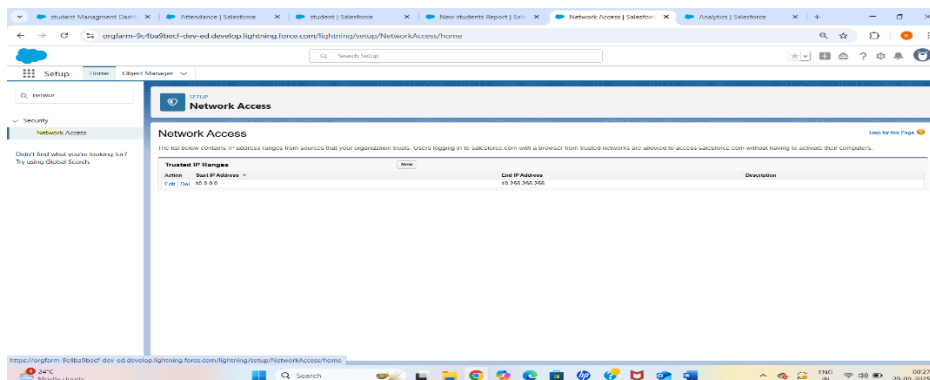


7. Session Settings

- **Session Timeout:** 30 minutes
- **Logout on Timeout:** Enabled
- **Lock Session to IP/Domain:** Enabled
- **Clickjack & CSRF Protection:** Enabled
- **HTTPS Required:** Enforced for secure communication

8. Login IP Ranges

- **Network Access (Org-Wide):** Added school's LAN/Wi-Fi IP range
- **Profile-Specific Ranges:**
 - Teachers: Allowed only from school network
 - Admin: Allowed from office network + VPN
 - Students: Allowed from broader IP range (school + home if needed)



9. Audit Trail

- **Setup Audit Trail:** Enabled and reviewed for changes in roles, profiles, and settings

- **Field History Tracking:**
 - Tracked Fields: Student Status, Assigned Teacher, Grade Changes, Attendance Updates
- **Login History:** Monitored failed logins and suspicious attempts

