

# Phase 9: Reporting, Dashboards & Security Review – CampusConnect

**Goal:** Monitor student attendance, events, and academic performance while securing sensitive data.

## 1. Reports

### Reports Implemented:


Report Name	Purpose
Attendance Distribution	Shows % of students Regular / Warning / At Risk
At-Risk Students	Lists students with Attendance % < 75%
Student Courses Report	Student enrollment by courses

```
PS C:\SalesforceProject\CampusConnect> sf project deploy start --source-dir force-app/main/default/reportTypes --target-org campusconnect-dev
✓ Done 0ms

Status: Succeeded
Deploy ID: 0AfgL00000AjgtOSAR
Target Org: gaurigarole19559@agentforce.com
Elapsed Time: 1.16s

Deployed Source
```

State	Name	Type	Path
Created	Student_Attendance_Courses	ReportType	force-app/main/default/reportTypes/Student_Attendance_Courses.reportType-meta.xml



Search...

CampusConnect Students Attendance Records Faculties Courses Events Lectures Student Courses Home At-Risk Students More

Report: Students At-Risk Students

Enable Field Editing Add Chart Edit

Total Records 51

Status	Student Name	Roll No	Student Email	Attendance %
Regular (1)	Austin	STU035	austin.adams@university.edu	75.00%
Subtotal				
At Risk (2)	Andrew	STU031	andrew.lopez@university.edu	50.00%
	gauri	21	gaurigarole19@gmail.com	60.00%
Subtotal				
Active (48)	John	STU001	john.smith@university.edu	100.00%
	Sarah	STU002	sarah.johnson@university.edu	100.00%
	Michael	STU003	michael.brown@university.edu	100.00%
	Emily	STU004	emily.davis@university.edu	100.00%
	David	STU005	david.wilson@university.edu	100.00%
	Jessica	STU006	jessica.miller@university.edu	100.00%
	Christopher	STU007	christopher.garcia@university.edu	100.00%
	Amanda	STU008	amanda.martinez@university.edu	100.00%

Row Counts Detail Rows Subtotals Grand Total

	Student Name	Roll No	Student Email	Attendance %	Status
1	John	STU001	john.smith@university.edu	100.00%	Active
2	Sarah	STU002	sarah.johnson@university.edu	100.00%	Active
3	Michael	STU003	michael.brown@university.edu	100.00%	Active
4	Emily	STU004	emily.davis@university.edu	100.00%	Active
5	David	STU005	david.wilson@university.edu	100.00%	Active
6	Jessica	STU006	jessica.miller@university.edu	100.00%	Active
7	Christopher	STU007	christopher.garcia@university.edu	100.00%	Active
8	Amanda	STU008	amanda.martinez@university.edu	100.00%	Active
9	Joshua	STU009	joshua.anderson@university.edu	100.00%	Active
10	Ashley	STU010	ashley.taylor@university.edu	100.00%	Active
11	Matthew	STU011	matthew.thomas@university.edu	100.00%	Active
12	Brittany	STU012	brittany.jackson@university.edu	100.00%	Active
13	Daniel	STU013	daniel.white@university.edu	100.00%	Active

### Steps to verify / screenshot:

1. Go to **App Launcher** → **Reports**.
2. Open each report:
  - Check fields and filters.
  - Screenshot the report results (Attendance %, Roll No, Email).

### Dynamic Filters:

- Example: Filter at-risk students for the last 30 days.

## ✓ 2. Dashboards

### Dashboards Implemented:

Dashboard Name	Components
Campus Dashboard	Attendance Distribution Chart, At-Risk Students List, Quick Links
Student Overview	Progress Rings for Attendance %, Enrolled Courses

### Steps to verify / screenshot:

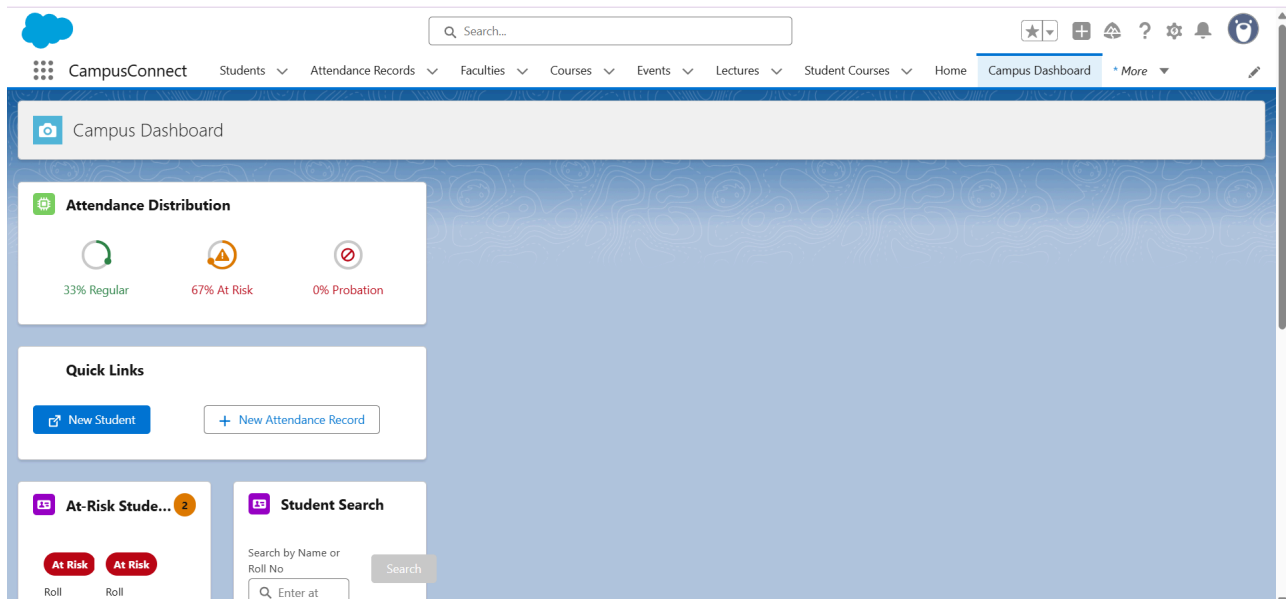
1. App Launcher → Dashboards → **Campus Dashboard**.
2. Verify:

- Attendance Distribution chart shows correct percentages.
- At-Risk students count and details.

3. Screenshot dashboard components.

### Dynamic Dashboards:

- Each faculty sees only their students or classes.



## ✓ 3. Sharing Settings

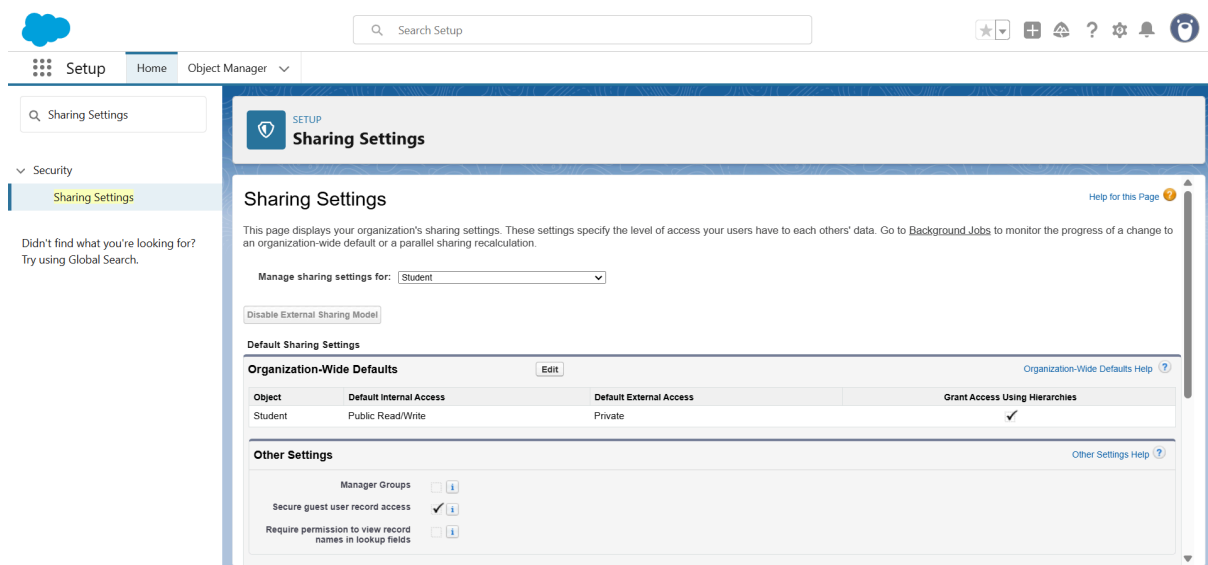
### Implemented Sharing:

Object	Default Access	Shared With	Access Level
Student	Public Read/Write	All Internal Users	Read/Write

### Steps to verify :

1. Setup → **Sharing Settings** → select **Student** object.

## 2. Screenshot Organization-Wide Defaults and any custom sharing rules.



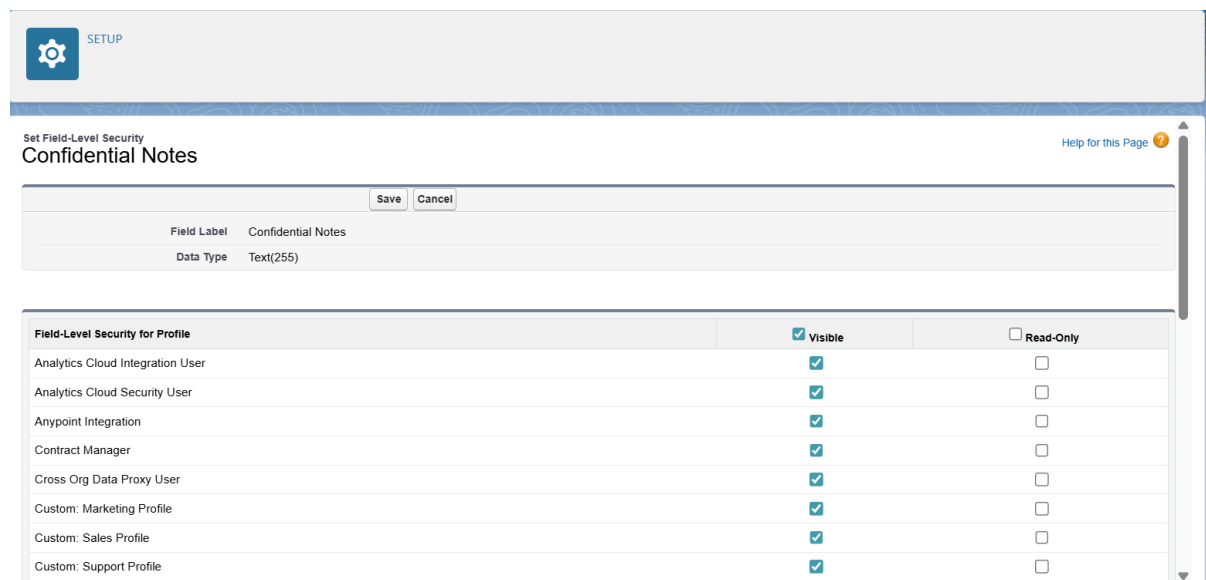
## ✓ 4. Field-Level Security

**Goal:** Hide sensitive fields from certain profiles.

- Simulated "Confidential Notes" → used Confidential Notes field.
- Hidden from Faculty profile.

**Steps to verify / screenshot:**

1. Setup → Object Manager → Student → Fields → Confidential Notes.
2. Click **Set Field-Level Security**.
3. Verify Faculty profile is unchecked.
4. Screenshot Field-Level Security setup.

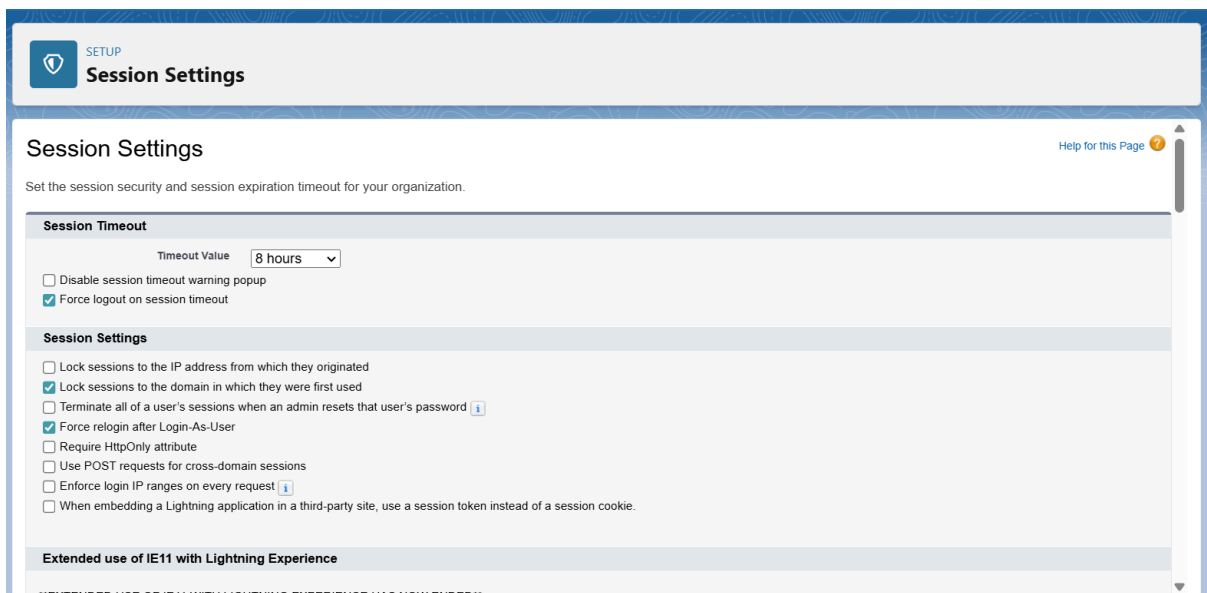


## ✓ 5. Session Settings

- **Timeout:** 2 hours.
- Users automatically log out after inactivity.

### Steps to verify / screenshot:

1. Setup → Security → **Session Settings**.
2. Check “Timeout value” = 2 hours.
3. Screenshot Session Settings panel.



## ✓ 6. Login IP Ranges

- Restricts login to office IP (optional, can simulate with your IP).
- Prevents external unauthorized login.

### Steps to verify / screenshot:

1. Setup → Profiles → Faculty / Student → Login IP Ranges.
2. Add allowed IP range (ensure your current IP is included).

### 3. Screenshot Login IP Ranges list.

The screenshot shows the 'Profiles' section in the Salesforce Setup menu. The 'Login IP Ranges' tab is selected. Below the header, there is a text prompt: 'Enter the range of valid IP addresses from which users with this profile can log in.' Below this, there is a form titled 'Please specify IP range'. The form has two input fields: 'Start IP Address' and 'End IP Address', both containing the value '49.15.247.77'. There is also a 'Description' field which is currently empty. At the bottom of the form, there are 'Save' and 'Cancel' buttons. A red asterisk icon and the text 'Required Information' are visible on the right side of the form.

## 7. Audit Trail

- Tracks who made changes in Salesforce (records, objects, setup changes).
- Useful for compliance and monitoring.

### Steps to verify / screenshot:

1. Setup → **View Setup Audit Trail**.
2. Screenshot recent changes made by you (e.g., creating custom fields, dashboards).

The screenshot shows the 'View Setup Audit Trail' page in the Salesforce Setup menu. The page displays a table of the last 20 entries for the organization's setup audit trail. The table has columns for Date, User, Source Namespace Prefix, Action, Section, and Delegate User. The entries show various setup changes made by the user 'gaugiarole19559@agentforce.com'.

Date	User	Source Namespace Prefix	Action	Section	Delegate User
9/26/2025, 2:03:09 AM PDT	gaugiarole19559@agentforce.com		Deleted Login Ip Range to Faculty Profile from 49.15.247.77 to 49.15.247.77	Manage Users	
9/26/2025, 2:01:45 AM PDT	gaugiarole19559@agentforce.com		Added Login Ip Range to Faculty Profile from 49.15.247.77 to 49.15.247.77	Manage Users	
9/26/2025, 1:49:03 AM PDT	gaugiarole19559@agentforce.com		Completed Owner Rule: Student recalculation: Faculty Read Acces	Sharing Rules	
9/26/2025, 1:49:01 AM PDT	gaugiarole19559@agentforce.com		Created Student Owner Sharing Rule Faculty Read Acces	Sharing Rules	
9/26/2025, 1:49:01 AM PDT	gaugiarole19559@agentforce.com		Initiated Owner Rule: Student recalculation: Faculty Read Acces	Sharing Rules	
9/25/2025, 11:34:32 PM PDT	gaugiarole19559@agentforce.com		Requested an export	Data Export	
9/25/2025, 10:35:29 PM PDT	gaugiarole19559@agentforce.com		Added value Active to Status picklist with color Assigned dynamically on Students	Custom Objects	
9/25/2025, 10:02:21 AM PDT	gaugiarole19559@agentforce.com		Changed upcomingEventsLWC Lightning Web Component	Lightning Components	
9/25/2025, 10:02:21 AM PDT	gaugiarole19559@agentforce.com		Changed studentSearchLWC Lightning Web Component	Lightning Components	
9/25/2025, 10:02:21 AM PDT	gaugiarole19559@agentforce.com		Changed quickNotesLWC Lightning Web Component	Lightning Components	
9/25/2025, 10:02:21 AM PDT	gaugiarole19559@agentforce.com		Changed eventSearchLWC Lightning Web Component	Lightning Components	

## **Phase 9 Conclusion – Reporting, Dashboards & Security Review**

Phase 9 successfully establishes **CampusConnect as a fully monitored, secure, and insightful platform** for academic management. Reports and dashboards provide **real-time visibility into student attendance, performance, and enrollment**, allowing faculty and administrators to make informed decisions. Security measures—including sharing rules, field-level restrictions, session timeout, login IP ranges, and audit trails—ensure **data privacy, controlled access, and regulatory compliance**.

With this phase, CampusConnect achieves a balance of **operational efficiency and enterprise-grade security**, ready for production use and stakeholder demonstration.