

Analytics & Insights

Dynamic Groups

Group Management Application

The group management application allows for users to create, delete, and modify their groups.

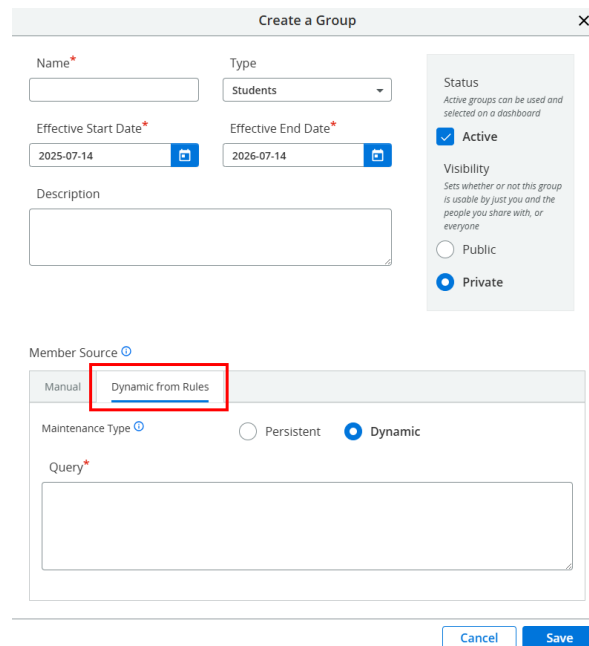
1. To create a new group, you will click the 'Add New Group' button.
2. To edit a group, click the 'Pencil' icon.
3. To delete a group, click the 'Trashcan' icon.

Dynamic Groups

Dynamic groups allow for the selection of students based on a SQL query. Click on the “Dynamic from Rules” tab when creating or editing a group to enter the SQL query

You have two options when the query is run to populate the student list

1. Persistent – Runs the Query Once
 - a. Useful for a static list that will never change
2. Dynamic – Runs the Query nightly
 - a. Useful for when the student list may change depending on data changes



Create a Group [X]

Name* Type

Effective Start Date* Effective End Date*

Description

Status
Active groups can be used and selected on a dashboard
 Active

Visibility
Sets whether or not this group is usable by just you and the people you share with, or everyone
 Public
 Private

Member Source ⓘ
Manual **Dynamic from Rules**

Maintenance Type ⓘ Persistent Dynamic

Query*

Cancel Save

Dynamic Group Examples

In the SQL query, always be sure to return a distinct list of the STUDENT_KEY column. Note there is a limit of 2000 characters for SQL queries.

Active Grade 12 Students

```
SELECT DISTINCT
  STUDENT_KEY
FROM
  K12INTEL_DW.DTBL_STUDENTS
WHERE
  DTBL_STUDENTS.STUDENT_CURRENT_GRADE_CODE = '12'
  AND DTBL_STUDENTS.STUDENT_ACTIVITY_INDICATOR = 'Active'
```

Chronic Absent Students

```
SELECT DISTINCT FTBL_ATTENDANCE.student_key
FROM
  K12INTEL_DW.FTBL_ATTENDANCE_STUSUMMARY FTBL_ATTENDANCE
  INNER JOIN K12INTEL_DW.DTBL_STUDENT_ANNUAL_ATTRIBS ON FTBL_ATTENDANCE.STUDENT_ANNUAL_ATTRIBS_KEY =
  DTBL_STUDENT_ANNUAL_ATTRIBS.STUDENT_ANNUAL_ATTRIBS_KEY
  AND FTBL_ATTENDANCE.SYS_PARTITION_VALUE = DTBL_STUDENT_ANNUAL_ATTRIBS.SYS_PARTITION_VALUE
  INNER JOIN (
    SELECT
      FTBL_ATTENDANCE_STUSUMMARY.STUDENT_ANNUAL_ATTRIBS_KEY
      ,FTBL_ATTENDANCE_STUSUMMARY.SCHOOL_KEY
    ,CASE
      WHEN COALESCE(SUM(FTBL_ATTENDANCE_STUSUMMARY.ATTENDANCE_VALUE) * 1.0 / SUM(FTBL_ATTENDANCE_STUSUMMARY.ATTENDANCE_DAYS),0) BETWEEN 0.925 AND 0.95
    THEN 'Trending Chronic'
      WHEN COALESCE(SUM(FTBL_ATTENDANCE_STUSUMMARY.ATTENDANCE_VALUE) * 1.0 / SUM(FTBL_ATTENDANCE_STUSUMMARY.ATTENDANCE_DAYS),0) BETWEEN 0.9 AND 0.92499
    THEN 'Nearly Chronic'
      WHEN COALESCE(SUM(FTBL_ATTENDANCE_STUSUMMARY.ATTENDANCE_VALUE) * 1.0 / SUM(FTBL_ATTENDANCE_STUSUMMARY.ATTENDANCE_DAYS),0) < 0.9 OR
      COALESCE(SUM(FTBL_ATTENDANCE_STUSUMMARY.ATTENDANCE_DAYS) - SUM(FTBL_ATTENDANCE_STUSUMMARY.ATTENDANCE_VALUE),0) >= 18 THEN 'Chronically Absent'
      ELSE 'No Absence Issues'
    END as ChronicLevel
  ) AS CHRONICABS
FROM
  K12INTEL_DW.FTBL_ATTENDANCE_STUSUMMARY

GROUP BY
  FTBL_ATTENDANCE_STUSUMMARY.STUDENT_ANNUAL_ATTRIBS_KEY
  ,FTBL_ATTENDANCE_STUSUMMARY.SCHOOL_KEY
) as CHRONICABS ON FTBL_ATTENDANCE.STUDENT_ANNUAL_ATTRIBS_KEY = CHRONICABS.STUDENT_ANNUAL_ATTRIBS_KEY
  and FTBL_ATTENDANCE.SCHOOL_KEY = CHRONICABS.SCHOOL_KEY

WHERE
  FTBL_ATTENDANCE.rolling_local_school_yr_number = 0
  AND CHRONICABS.ChronicLevel = 'Chronically Absent'
```

Suspension students

```
SELECT DISTINCT DTBL_STUDENTS.STUDENT_KEY
FROM
  (
    SELECT DISTINCT DISCIPLINE_INCIDENT_KEY, TIME_KEY, DISCIPLINE_DIST_OFFENSE_GROUP,DISCIPLINE_OFFENSE_TYPE, SYS_PARTITION_VALUE
    FROM K12INTEL_DW.FTBL_DISCIPLINE
    WHERE (FTBL_DISCIPLINE.DISCIPLINE_ACTION_DATE IS NULL OR FTBL_DISCIPLINE.DISCIPLINE_ACTION_DATE <= CAST(CURRENT_TIMESTAMP AS Date))
  ) AS DISCIPLINE_FTBL --WITH
  INNER JOIN K12INTEL_DW.FTBL_DISCIPLINE_ACTIONS FTBL_DISCIPLINE_ACTIONS ON FTBL_DISCIPLINE.DISCIPLINE_INCIDENT_KEY = DISCIPLINE_FTBL.DISCIPLINE_INCIDENT_KEY
  AND FTBL_DISCIPLINE_ACTIONS.SYS_PARTITION_VALUE = DISCIPLINE_FTBL.SYS_PARTITION_VALUE
  INNER JOIN K12INTEL_DW.DTBL_STUDENTS ON FTBL_DISCIPLINE_ACTIONS.STUDENT_KEY = DTBL_STUDENTS.STUDENT_KEY
  AND FTBL_DISCIPLINE_ACTIONS.SYS_PARTITION_VALUE = DTBL_STUDENTS.SYS_PARTITION_VALUE
  INNER JOIN K12INTEL_DW.DTBL_STUDENT_ANNUAL_ATTRIBS ON FTBL_DISCIPLINE_ACTIONS.STUDENT_ANNUAL_ATTRIBS_KEY =
  DTBL_STUDENT_ANNUAL_ATTRIBS.STUDENT_ANNUAL_ATTRIBS_KEY
  AND FTBL_DISCIPLINE_ACTIONS.SYS_PARTITION_VALUE = DTBL_STUDENT_ANNUAL_ATTRIBS.SYS_PARTITION_VALUE
  INNER JOIN K12INTEL_DW.DTBL_SCHOOLS ON FTBL_DISCIPLINE_ACTIONS.SCHOOL_KEY = DTBL_SCHOOLS.SCHOOL_KEY
  AND FTBL_DISCIPLINE_ACTIONS.SYS_PARTITION_VALUE = DTBL_SCHOOLS.SYS_PARTITION_VALUE
  INNER JOIN K12INTEL_REPORTING.MTBL_DOMAIN_GRADE_CODE DOMAIN_GRADE_CODE ON DOMAIN_GRADE_CODE.DOMAIN_NAME = 'GRADE_CODE'
  AND DOMAIN_GRADE_CODE.DOMAIN_CODE = DTBL_STUDENT_ANNUAL_ATTRIBS.STUDENT_ANNUAL_ATTRIBS.DOMAIN_CODE
  AND DOMAIN_GRADE_CODE.DOMAIN_SCOPE = DTBL_STUDENT_ANNUAL_ATTRIBS.DISTRICT_CODE
WHERE
  DTBL_SCHOOLS.SYS_DELETE_IND = 'N'
  AND DTBL_STUDENT_ANNUAL_ATTRIBS.SYS_DELETE_IND = 'N'
  AND DTBL_STUDENTS.SYS_DELETE_IND = 'N'
  AND DTBL_STUDENT_ANNUAL_ATTRIBS.ROLLING_LOCAL_SCHOOL_YR_NUMBER = 0
```

AND (FTBL_DISCIPLINE.DISCIPLINE_ACTION_TYPE = 'Suspension - In School'
OR FTBL_DISCIPLINE.DISCIPLINE_ACTION_TYPE = 'Suspension - Out of School')

Current Year Students with D/F Marks

```

SELECT DISTINCT DTBL_STUDENTS.STUDENT_KEY
FROM
K12INTEL_DW.FTBL_STUDENT_MARKS
INNER JOIN K12INTEL_DW.DTBL_STUDENTS ON FTBL_STUDENT_MARKS.STUDENT_KEY = DTBL_STUDENTS.STUDENT_KEY
  AND FTBL_STUDENT_MARKS.SYS_PARTITION_VALUE = DTBL_STUDENTS.SYS_PARTITION_VALUE
INNER JOIN K12INTEL_DW.DTBL_STUDENT_ANNUAL_ATTRIBS ON FTBL_STUDENT_MARKS.STUDENT_ANNUAL_ATTRIBS_KEY =
DTBL_STUDENT_ANNUAL_ATTRIBS.STUDENT_ANNUAL_ATTRIBS_KEY
  AND FTBL_STUDENT_MARKS.SYS_PARTITION_VALUE = DTBL_STUDENT_ANNUAL_ATTRIBS.SYS_PARTITION_VALUE
INNER JOIN K12INTEL_DW.DTBL_COURSE_OFFERINGS ON FTBL_STUDENT_MARKS.COURSE_OFFERINGS_KEY = DTBL_COURSE_OFFERINGS.COURSE_OFFERINGS_KEY
  AND FTBL_STUDENT_MARKS.SYS_PARTITION_VALUE = DTBL_COURSE_OFFERINGS.SYS_PARTITION_VALUE
INNER JOIN K12INTEL_DW.DTBL_STAFF_COURSE_OFFERING_LNK ON FTBL_STUDENT_MARKS.COURSE_OFFERINGS_KEY = DTBL_STAFF_COURSE_OFFERING_LNK.COURSE_OFFERINGS_KEY
  AND FTBL_STUDENT_MARKS.SYS_PARTITION_VALUE = DTBL_STAFF_COURSE_OFFERING_LNK.SYS_PARTITION_VALUE
INNER JOIN K12INTEL_DW.DTBL_SCALES ON FTBL_STUDENT_MARKS.SCALE_KEY = DTBL_SCALES.SCALE_KEY
  AND FTBL_STUDENT_MARKS.SYS_PARTITION_VALUE = DTBL_SCALES.SYS_PARTITION_VALUE
WHERE
  DTBL_STUDENTS.SYS_DELETE_IND = 'N'
  AND DTBL_STUDENT_ANNUAL_ATTRIBS.SYS_DELETE_IND = 'N'
  AND DTBL_STAFF_COURSE_OFFERING_LNK.SYS_DELETE_IND = 'N'
  AND ftbl_student_marks.mark_type = 'Final'
  AND DTBL_SCALES.SCALE_ABBREVIATION IN ('A','B','C','D','F','1','2','3','4','Pass','Incomplete','No Credit')
  and DTBL_STUDENT_ANNUAL_ATTRIBS.ROLLING_LOCAL_SCHOOL_YR_NUMBER IN (0)
  AND dtbl_students.student_activity_indicator IN ('Active') --Student Activity
  AND rtrim(DTBL_SCALES.SCALE_ABBREVIATION) in ('D','F')

```