

Crystal Analysis

November 5, 2018



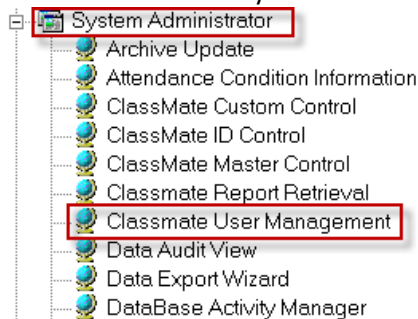
Crystal Analysis

Crystal Analysis Overview:

For sites who have purchased our Custom Report Writing Workshop where you learned how to write Custom ClassMate Reports there is now a new feature in ClassMate called Crystal Analysis. In order to see and use the Crystal Analysis functionality the school must have or must purchase the Custom Report Writing Workshop paid add-on option. Once a ClassMate username is set to Crystal Analysis Yes the next time they run any ClassMate report a new button called Crystal Report Analysis will appear on the toolbar in the report. When clicked the button will show the report structure, field information, table information used to design this report so that if a user with Crystal Report Writing experience and Crystal Report Writing software were to export the report and want to modify it in Crystal they would have this information easily available.

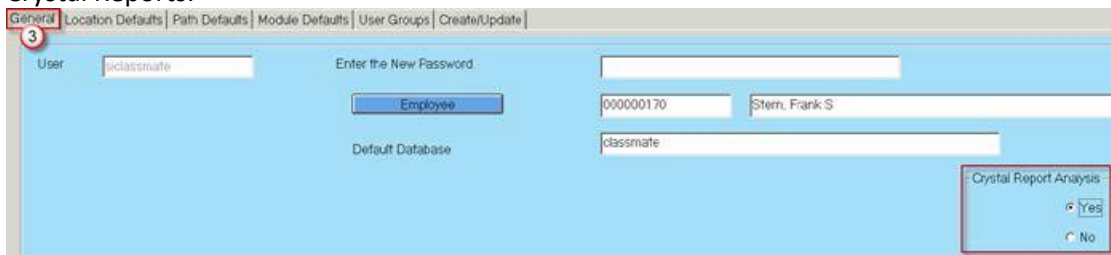
Crystal Analysis Setup:

1. Go to Modules > System Administrator > ClassMate User Management



2. Click the on ClassMate Username of the person who does Crystal reporting writing

3. On the General tab under Crystal Analysis click Yes, the default is No and can be left to No for users who do not write Crystal Reports.



4. Click Save



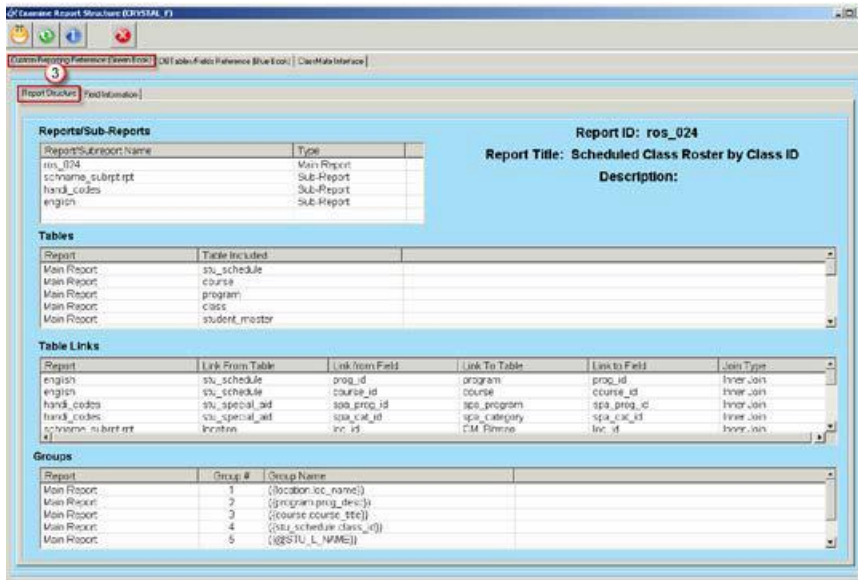
Using Crystal Analysis

1. Go to Reports and run a report

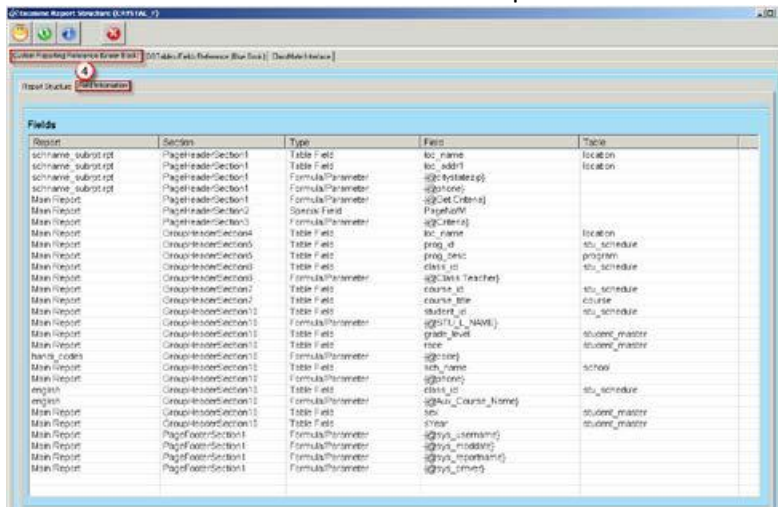
2. Click the Crystal Analysis button on the tool bar



3. Click on the Custom Reporting Reference (Green Book) tab > click the Report Structure tab to see the tables included, the table links, and the groups used in the report.



4. Click on the Custom Reporting Reference (Green Book) tab > click the Field information tab to see various pieces of information about the fields used in the report.



5. Click on the DB Tables/Fields Reference (Blue Book) tab to see the ClassMate table names & description as well as field names, length, type, and description. Click on a table from the left to view the fields on the right.

Note: If you see a table in Red and it says “Missing Table Identification” this means the table information has not yet been completed. ClassMate will be continually updating Table information. The table & fields within the table can still be used when customizing or creating reports.

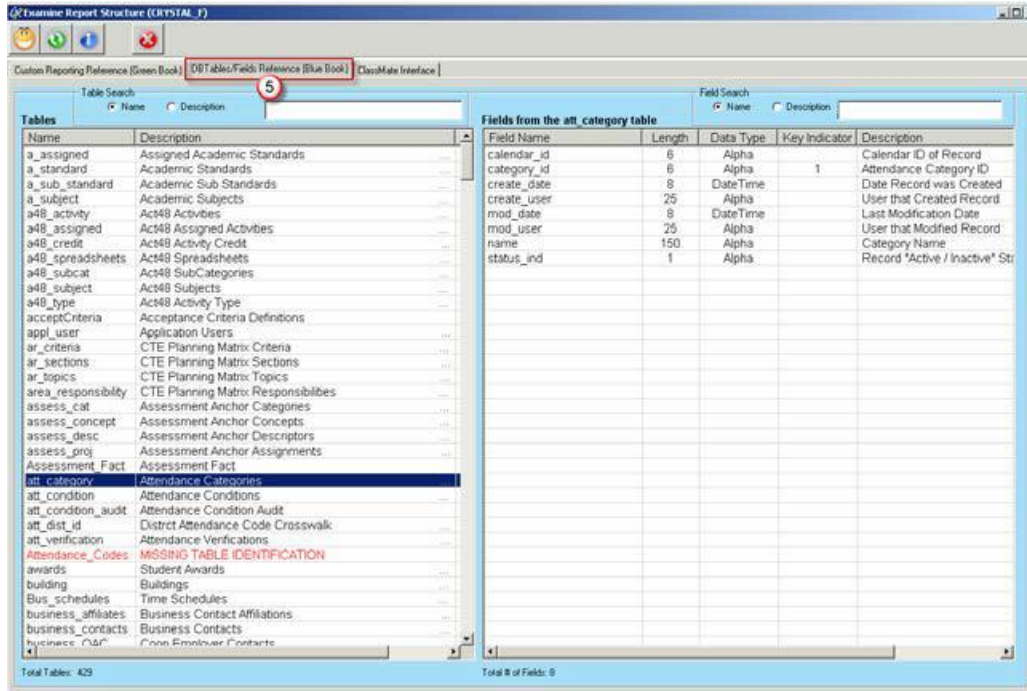
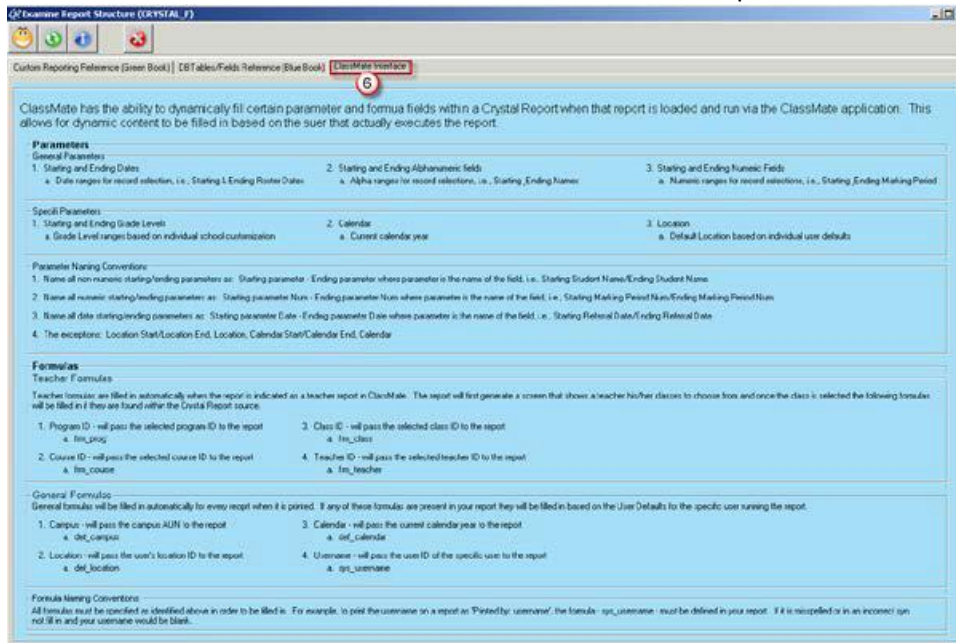


Table Name	Description
a_assigned	Assigned Academic Standards
a_standard	Academic Standards
a_sub_standard	Academic Sub Standards
a_subject	Academic Subjects
a48_activity	Act48 Activities
a48_assigned	Act48 Assigned Activities
a48_credit	Act48 Activity Credit
a48_spreadsheets	Act48 Spreadsheets
a48_subcat	Act48 SubCategories
a48_subject	Act48 Subjects
a48_type	Act48 Activity Type
acceptCriteria	Acceptance Criteria Definitions
appl_user	Application Users
ar_criteria	CTE Planning Matrix Criteria
ar_sections	CTE Planning Matrix Sections
ar_topics	CTE Planning Matrix Topics
area_responsibility	CTE Planning Matrix Responsibilities
assess_cat	Assessment Anchor Categories
assess_concept	Assessment Anchor Concepts
assess_desc	Assessment Anchor Descriptors
assess_proj	Assessment Anchor Assignments
Assessment_Fact	Assessment Fact
att_category	Attendance Categories
att_condition	Attendance Conditions
att_condition_audit	Attendance Condition Audit
att_dist_id	District Attendance Code Crosswalk
att_verification	Attendance Verifications
Attendance_Codes	MISSING TABLE IDENTIFICATION
awards	Student Awards
building	Buildings
Bus_schedules	Time Schedules
business_affiliates	Business Contact Affiliations
business_contacts	Business Contacts
business_contacts	Conn Employer Contacts

Field Name	Length	Data Type	Key Indicator	Description
calendar_id	6	Alpha		Calendar ID of Record
category_id	6	Alpha	1	Attendance Category ID
create_date	8	DateTime		Date Record was Created
create_user	25	Alpha		User that Created Record
mod_date	8	DateTime		Last Modification Date
mod_user	25	Alpha		User that Modified Record
name	150	Alpha		Category Name
status_ind	1	Alpha		Record 'Active / Inactive' Str

6. Click on the ClassMate interface tab for information about parameters and formulas.



ClassMate has the ability to dynamically fill certain parameter and formula fields with a Crystal Report when that report is loaded and run via the ClassMate application. This allows for dynamic content to be filled in based on the user that actually executes the report.

Parameters

General Parameters

- Starting and Ending Dates:
 - Date ranges for record selections, i.e., Starting / Ending Roster Dates
- Starting and Ending Alphanumeric fields:
 - Alpha ranges for record selections, i.e., Starting / Ending Names
- Starting and Ending Numeric Fields:
 - Numeric ranges for record selections, i.e., Starting / Ending Making Period

Special Parameters

- Starting and Ending Grade Levels:
 - Grade Level ranges based on individual school customization
- Calendar:
 - Current calendar year
- Location:
 - Default Location based on individual user defaults

Parameter Naming Conventions:

- Name all non-numeric starting/ending parameters as: Starting parameter - Ending parameter where parameter is the name of the field, i.e., Starting Student Name/Ending Student Name
- Name all numeric starting/ending parameters as: Starting parameter Num - Ending parameter Num where parameter is the name of the field, i.e., Starting Making Period Num/Ending Making Period Num
- Name all date starting/ending parameters as: Starting parameter Date - Ending parameter Date where parameter is the name of the field, i.e., Starting Roster Date/Ending Roster Date
- The exception: Location Start/Location End, Location, Calendar Start/Calendar End, Calendar

Formulas

Teacher Formulas

Teacher formulas are filled in automatically when the report is indicated as a teacher report in ClassMate. The report will first generate a screen that shows a teacher his/her classes to choose from and once the class is selected the following formulas will be filled in if they are found within the Crystal Report source:

- Program ID - will pass the selected program ID to the report
 - frm_prog
- Class ID - will pass the selected class ID to the report
 - frm_class
- Course ID - will pass the selected course ID to the report
 - frm_course
- Teacher ID - will pass the selected teacher ID to the report
 - frm_teacher

General Formulas

General formulas will be filled in automatically for every report when it is printed. If any of these formulas are present in your report they will be filled in based on the User Defaults for the specific user running the report.

- Campus - will pass the campus AUN to the report
 - def_campus
- Calendar - will pass the current calendar year to the report
 - def_calendar
- Location - will pass the user's location ID to the report
 - def_location
- Username - will pass the user ID of the specific user to the report
 - def_username

Formula Naming Conventions

All formulas must be specified as identified above in order to be filled in. For example, to pass the username in a report as "Printed": username, the formula: rpt_username must be defined in your report. If it is misspelled or in an incorrect sign, not all in and your username would be blank.