eduTrac SIS 6.3.0-RC3 & Changes

Introduction

The release of 6.3.0 is just around the corner. There will be one more release candidate after this one, and I hope to have 6.3.0 out in the wild by mid July if not sooner. In order to make that happen, **your help is needed**. I need as many people as possible to download, install and test RC3. If you don't have the option of installing it anywhere for testing, you can visit our test area at https://630.etsis.us/.

There have been a plethora of database changes as well as background changes and processes which makes way for a lot more flexibility and more exciting features and changes in the future. Unfortunately, in order to accommodate the many changes that our users wanted and need, some manual work is needed to port your old database to the new database. However, that won't be discussed here but will be in the formal release notes with detailed instructions on what needs to be done. Speaking of the database, lets start there.

Database

1. One of the changes to the database is the use of the better collation/charset called utf8mb4. This is a better charset than the regular utf8 which is actually broken.
2. Another change is the renaming of the primary key. If you use/create saved queries, you might have used the primary key of a particular table such as courseID, courseSecID and the like. To be more standard, primary keys have now been renamed to *id* with exception of a few tables (course, course_sec, event, event_category, event_meta, event_request, gl_*, options_meta, and person).
3. **aclv** - New academic level table which replaces the hardcoded academic levels.
4. campaign - One of the new tables that will replace the old communication management table(s).
5. **clas** - New classification table (freshman, sophomore, junior, senior, etc.).
6. **crlv** - New course level table which replaces the hardcoded course levels.
7. **restriction_code => rest** - The *restriction _code* table has been renamed to *rest*.
8. **stu_acad_cred => stac** - The *stu_acad_cred* table has been renamed to *stac*.
9. **stu_acad_level => stal** - The *stu_acad_level* table has been renamed to *stal*. Record is created when applicant is moved to stu or when student's program is changed. A new screen has been created which is available via the SACP screen.
   1. currentClassLevel - New field added which gives the current class level of the student (freshman, sophomore, etc.).
   2. enrollmentStatus - New field shows the student's current enrollment status (part time, half time, full time, etc.).
   3. gap - New field that shows the student's cumulative gpa.
   4. startTerm - New field that shows the start term of the academic level.
   5. startDate - New field that shows the start date of the academic level. This is usually the date of when the applicant was stu'd.
   6. endDate - New field that shows the end date of the academic level. This is usually the date of when the student was conferred, or when the student's program was changed, or when the

student has been withdrawn from the institution. If you haven't been using the proper [graduation procedure](#), this is the time to start.

10. **restriction => perc** - The *restriction* table has been renamed to *perc*.
11. **stu_course_sec => stcs** - The *stu_course_sec* table has been renamed to *stcs*.
12. **stu_program => sacp** - The *stu_program* table has been renamed to *sacp*.
13. **stu_term, stu_term_gpa, stu_term_load => sttr** - Three tables have been merged into the new sttr table.
14. **v_scrd** = Live data which holds info about students with active programs.
    1. stuID - Unique student's id.
    2. acadLevel - Student's academic level based on program.
    3. prog - Student's active program.
    4. attempted - Total attempted credits.
    5. completed - Total completed credits.
    6. points - Total grade points earned.
    7. gap - Student's cumulative gpa.
    8. enrollmentStatus = Student's current enrolled status (half time, full time, etc.).
    9. year - Year the student started. Based on first registered course.
    10. term - Term the student started. Based on first registered course.
15. **v_rgn** - Live data of registration data per course section. Pulled from *stac*.
    1. crseID - Course ID from which the course section was created.
    2. sectID - Course section ID.
    3. section - Course section.
    4. term - Term of course section.
    5. title - Long title of course section.
    6. attempted - Total number of attempted credits.
    7. completed - Total number of completed credits.
    8. points - Total number of grade points.
    9. acadLevel - Academic level
    10. registrations - Number of active registrations. Useful for when waitlist feature is implemented.

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FTP

The new FTP screen gets you access to the files created outside of the root. This is where your cookies, cache, nodes and personal files are saved. The FTP directory is based on the File Savepath setting.

Cronjob Handler

Cronjob handlers have now moved to a Node. You will be able to edit, force run or reset runs of each handler if and when needed. A master cron needs to be created on the server to run each cronjob handler. The old master cron you've setup should still work, but it is suggested that you use the new one: http://replace_url/cron/master/.

Business Rules

Now you can setup business rules to run your business logic without the need of human intervention. You can create rules for class levels, student load, and registration. In the future, you will also be able to setup rules for billing, degree audit, graduate honors and more. A couple of videos are posted on our Youtube Channel.

1. Registration Restriction - https://www.youtube.com/watch?v=uImM9Yn6SLs
2. Academic Levels - https://www.youtube.com/watch?v=2Jb2zQkeSes

Misc.

There are some miscellaneous tweaks and additions that will appear in the final release.
1. The ability to delete records. You do have some ability to delete records, but during testing, people want the ability to delete test data. Now, if the logged in user is the super administrator or the system is in DEV mode, you will have the option to delete records. However, based on certain situations, you will need to delete other data first before you can delete person or student records. For example, if there are student records (i.e. STAC, STAL, STCS, etc.), they will need to be deleted first. Also, to

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ensure that you don't forget that this option is enabled, the system will throw an error message until you set it back to PROD mode.

2. Communication management will be renamed to Marketing. With the marketing module, you can send out emails that you can track. There will be open reports, bounced reports, ability to setup different lists, templates and more.

Alternate ID
The altID field was added to the *person* table a few releases back. If you are using this field, this will be shown as a person's ID instead of the one auto generated by the system.

Bug Reporting
At this point in time, we need one central location for tracking bugs or issues in order to quickly deal with them and get this release out as soon as possible. Please post any issues or bugs you may find in the RC forum: https://www.edutracsis.com/forums/forum/development/alpha-beta-release-candidate/.

Future 6.3.x Releases
After the release of 6.3.0, here are some other tweaks to expect until the end of the year.
1. Degree audit using business rules.
2. SMS settings will be in place when 6.3.0 is release, but will not be implemented until later.
3. Maintenance releases.
4. Waitlist - A survey was conducted and the majority chose the option where the super admin and the professor both have the option of registering students on a waitlist which the next option was to only have the super admin register students on a waitlist. To give users the best of both worlds, the super admin will have the ability to register students on a waitlist. Also, if the professor is teaching the course and has the *waitlist* permission, he or she can register students on a waitlist. Furthermore, if a staff member has the *waitlist* permission, he or she will also be able to register students on a waitlist.

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