Update and Release of New Code Versions

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With multiple TRIM3 servers, it is important that programmers update all servers when new code versions are developed and released. Doing so will avoid run failures that could result in unnecessary confusion and the waste of the time as staff members investigate and address the cause of failures. This document is intended to guide programmers during the update and release process so that all the needed steps are implemented.

1. Develop the new code version using your local computer as the TRIM3 application server and TRIMDB01 for the required database updates.
2. Keep track of all database updates so that you can make the same changes on TRIMDB02 and TRIMDB03 once the new version is released to production. In keeping track of changes, you may find it helpful to create tables in your personal “temp\_\*” schema that are like the CTD tables to which you are adding records. You can then add the new or edited records to the tables in your personal schema for easier transfer to other database servers.
3. When expanding one of the rules tables (\*national, \*state, \*statearray, or \*array), add the new ctd.terms record first, then add the new field to the rules table. If a user attempts to run the simulation you are updating while there is a field in a rules table that does not have a corresponding record in the ctd.terms table, the run will fail. Be sure to supply the version of your update in the “VersionFrom” column of ctd.terms record.
4. Once the new version has been tested and the primary analyst has verified results, update the TRIMDB02 and TRIMDB03 databases and release the code to all three servers as active.
5. If you have added a new variablelist program rule, execute the following Perl script on each application server to add the new rule to all existing setups for the simulation you have updated:

Administration->Scripts->Add a variable list rule to existing simulations

(Note: The script should be run on either Attis or Attis2, but not both since they both access the same TRIMDB03 data.)

1. If you have added a new table to a simulation, add a record to ctd.tablenames for the new table on all database servers. Provide a description of the table and supply a value for the “tableorder” field that will place the table in the proper order relative to all other tables for the simulation you have updated. This record should be the same on all database servers.
2. Copy any new or updated table templates to all application servers in use—currently Cybele, Boreas, Attis and Attis2.