

Upgrade Troubleshooting

- Introduction
- Database Upgrade Paths
- 2.0.0
- 2.1.x
 - The SESN_ID column on the KRNS_PESSIMISTIC_LOCK_T table needs to have a DEFAULT of 'undefined' to prevent issues
- 2.2.x
 - Client datasets that were upgraded to 2.2 or 2.2.1 are missing the KRAD_MSG_T table
 - KRAD_MSG_T primary key is too long for MySQL 5.1 - (Rice 2.2 through 2.2.1)
 - The SESN_ID column on the KRNS_PESSIMISTIC_LOCK_T table needs to have a DEFAULT of 'undefined' to prevent issues
 - scripts/upgrades/2.2.1 to 2.2.2/final/update_client_final_oracle.sql contains a bug that causes it to fail to execute

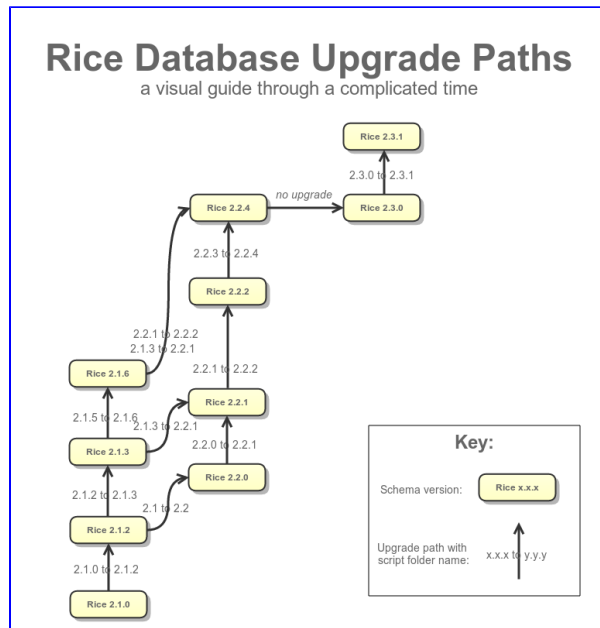
Introduction

This page is intended to house resources and facilitate information sharing on troubleshooting upgrades to Kualu Rice. Feel free to post comments or add topics to this page in order to help others in the community should they encounter similar issues.

If you have a question or a problem that you don't have a solution for, please join the rice.collab@kuali.org list by signing up at <http://kuali.org/kis> and post your question there.

Database Upgrade Paths

Between Rice 2.1.2 and 2.2.4, the Rice team was making database changes on parallel branches of development, which made for some confusion around upgrade paths. The following diagram attempts to clarify the situation (click "zoom" button to enlarge):



The upgrade scripts themselves can be found under:

- <http://svn.kuali.org/repos/rice/tags/rice-2.1.7/scripts/upgrades/>
- <http://svn.kuali.org/repos/rice/tags/rice-2.2.5/scripts/upgrades/>
- <http://svn.kuali.org/repos/rice/tags/rice-2.3.2/scripts/upgrades/>

2.0.0

See Rice 2.0 - Upgrade Troubleshooting

2.1.x

The SESN_ID column on the KRNS_PESSIMISTIC_LOCK_T table needs to have a DEFAULT of 'undefined' to prevent issues

If your standalone server or client database has this issue (KULRICE-9288), you can correct it by running the appropriate script for your db platform:

- for Oracle: <https://svn.kuali.org/repos/rice/branches/rice-2.1/scripts/upgrades/2.1.5%20to%202.1.6/db-updates-client/2013-04-30.sql>
- for MySQL: <https://svn.kuali.org/repos/rice/branches/rice-2.1/scripts/upgrades/2.1.5%20to%202.1.6/db-updates-client/mysql-2013-04-30.sql>

Alternatively, if you upgrade your schema to Rice 2.1.6 using the upgrade scripts, then the issue will be automatically corrected.

2.2.x

Client datasets that were upgraded to 2.2 or 2.2.1 are missing the KRAD_MSG_T table

If your client dataset has this issue (KULRICE-9179), you can correct it by running the appropriate script for your db platform:

- for Oracle: <https://svn.kuali.org/repos/rice/tags/rice-2.2.0/scripts/upgrades/2.1%20to%202.2/db-updates/2012-08-29.sql>
 - for MySQL: <https://svn.kuali.org/repos/rice/tags/rice-2.2.0/scripts/upgrades/2.1%20to%202.2/db-updates/mysql-2012-08-29.sql>
- Alternatively, if you upgrade your schema to Rice 2.2.2 using the upgrade scripts, then the issue will be automatically corrected.

KRAD_MSG_T primary key is too long for MySQL 5.1 - (Rice 2.2 through 2.2.1)

There is a known issue (KULRICE-9152) with the Rice schema and MySQL 5.1 due to the PK size for the KRAD_MSG_T table. The error message for this issue looks something like this:

```
...
[ERROR] CREATE TABLE krad_msg_t
[ERROR] (
[ERROR] nmspc_cd VARCHAR(20) NOT NULL,
[ERROR] cmpnt_cd VARCHAR(100) NOT NULL,
[ERROR] msg_key VARCHAR(100) NOT NULL,
[ERROR] loc VARCHAR(255) NOT NULL,
[ERROR] obj_id VARCHAR(36) NOT NULL,
[ERROR] ver_nbr DECIMAL(8) NOT NULL DEFAULT 1,
[ERROR] msg_desc VARCHAR(255),
[ERROR] txt VARCHAR(4000),
[ERROR] PRIMARY KEY (nmspc_cd,cmpnt_cd,msg_key,loc),
[ERROR] UNIQUE krad_msg_tc0(obj_id)
[ERROR] ): Specified key was too long; max key length is 1000 bytes:
[ERROR] Caused By: Specified key was too long; max key length is 1000 bytes
[ERROR] -> [Help 1]
```

If you are unable to impex a Rice database due to this issue, edit the db/impex/<dataset>/src/main/resources/schema.xml file and reduce the KRAD_MSG_T.LOC column size from 255 to 80. After making this change, you should be able to successfully create a Rice database using impex with MySQL 5.1.

The SESN_ID column on the KRNS_PESSIMISTIC_LOCK_T table needs to have a DEFAULT of 'undefined' to prevent issues

If your standalone server or client database has this issue ([KULRICE-9288](#)), you can correct it by running the appropriate script for your db platform:

- for Oracle: <https://svn.kuali.org/repos/rice/branches/rice-2.2/scripts/upgrades/2.2.3%20to%202.2.4/db-updates-client/2013-04-30.sql>
- for MySQL: <https://svn.kuali.org/repos/rice/branches/rice-2.2/scripts/upgrades/2.2.3%20to%202.2.4/db-updates-client/mysql-2013-04-30.sql>

Alternatively, if you upgrade your schema to Rice 2.2.4 using the upgrade scripts, then the issue will be automatically corrected.

scripts/upgrades/2.2.1 to 2.2.2/final/update_client_final_oracle.sql contains a bug that causes it to fail to execute

- note that this has been fixed in the scripts provided with Rice 2.2.5 and greater
- To patch your script, apply the following change: <https://fisheye.kuali.org/changelog/rice?cs=39220>
- Alternatively, download the fixed script from here: https://svn.kuali.org/repos/rice/tags/rice-2.2.5/scripts/upgrades/2.2.1%20to%202.2.2/final/update_client_final_oracle.sql (once 2.2.5 is released)