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# Kuali Rice 2.2.0-rc1- SNAPSHOT Release Notes

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## Table of Contents

Overview .....	1
Release Highlights .....	1
Download .....	1
Documentation .....	2
Contact .....	2
Upgrade Guide: Rice 2.1.0 to Rice 2.2.0-rc1-SNAPSHOT .....	2
Upgrading the server database .....	2
Client Database Upgrade .....	2
Items Addressed in Rice 2.2.0-rc1-SNAPSHOT .....	2
Bug Fix .....	2
Improvement .....	2
Task .....	3
Library Changes .....	3

## Overview

Welcome to Rice 2.2.0-rc1-SNAPSHOT!

## Release Highlights

### Highlights of this release include:

- Addition of maven archetype for simpler project creation. See the [Installation Guide](#) for more information on how to use.
- Application Document Status functionality was enhanced to provide better document search integration.
- Numerous bug fixes. See below for details.
- Documentation updates

## Download

Kuali Rice 2.2.0-rc1-SNAPSHOT can be downloaded from the Rice website at <http://kuali.org/rice/download>.

There are three different distributions of Rice available: source, binary and server. Please read the [Installation Guide](#) for more details on each of these distributions.

Applications can also consume Rice from the maven site at <http://search.maven.org/#search|gal|org.kuali.rice>.

## Documentation

API Documentation can be found at <http://site.kuali.org/rice/2.2.0-rc1-SNAPSHOT/apidocs/index.html>

Formal documentation can be found at <http://site.kuali.org/rice/2.2.0-rc1-SNAPSHOT/reference/html/portal.html>. This documentation is still in the process of review and update which will continue through subsequent releases, so please follow the notes in each document to report any outdated information.

## Contact

If you encounter any difficulty, please don't hesitate to contact the Rice team on our public collaboration mailing list at <[rice.collab@kuali.org](mailto:rice.collab@kuali.org)>. Please indicate that you are using the 2.2.0-rc1-SNAPSHOT version of Rice.

## Upgrade Guide: Rice 2.1.0 to Rice 2.2.0-rc1-SNAPSHOT

### Caution

We recommend backing up your database before performing any upgrade!

## Upgrading the server database

MySQL and Oracle scripts for performing these updates are available in the following locations in the Rice distribution downloads:

MySQL `scripts/upgrades/2.1.0 to 2.1.2/final/update_final_mysql.sql`

Oracle `scripts/upgrades/2.1.0 to 2.1.2/final/update_final_oracle.sql`

## Client Database Upgrade

There was a MySQL-specific issue that affected a client table, therefore you only need to run a client upgrade script for MySQL.

MySQL `scripts/upgrades/2.1.0` to `2.1.2/final/update_client_final_mysql.sql`

## Items Addressed in Rice 2.2.0-rc1-SNAPSHOT

### Bug Fix

TODO

### Improvement

TODO

## Task

TODO

## Library Changes

- Apache CXF has been upgraded from 2.3.8 to 2.7.0, this includes changes to wss4j and xmlschema libraries - **Note, there are impacting dependency changes here! Details below:**
  - wss4j-1.5.12.jar -> wss4j-1.6.7.jar
  - XmlSchema-1.4.7.jar -> **xmlschema-core-2.0.3.jar**
  - **ADDED** -> javax.ws.rs-api-2.0-m10.jar
  - jaxb-impl-2.1.13.jar -> jaxb-impl-2.2.6.jar
  - jettison-1.3.jar -> **REMOVED**
  - neethi-2.0.5.jar -> neethi-3.0.2.jar
  - **ADDED** -> opensaml-2.5.1-1.jar
  - **ADDED** -> openws-1.4.2-1.jar
  - woodstox-core-asl-4.1.1.jar -> woodstox-core-asl-4.1.4.jar
  - xmlsec-1.4.4.jar -> xmlsec-1.5.2.jar
  - **ADDED** -> xmltooling-1.3.2-1.jar
  - cxf-api-2.3.8.jar -> cxf-api-2.7.0.jar
  - cxf-rt-bindings-soap-2.3.8.jar -> cxf-rt-bindings-soap-2.7.0.jar
  - cxf-rt-bindings-xml-2.3.8.jar -> cxf-rt-bindings-xml-2.7.0.jar
  - cxf-rt-core-2.3.8.jar -> cxf-rt-core-2.7.0.jar
  - cxf-rt-databinding-aegis-2.3.8.jar -> cxf-rt-databinding-aegis-2.7.0.jar
  - cxf-rt-databinding-jaxb-2.3.8.jar -> cxf-rt-databinding-jaxb-2.7.0.jar
  - cxf-rt-frontend-jaxrs-2.3.8.jar -> cxf-rt-frontend-jaxrs-2.7.0.jar
  - cxf-rt-frontend-jaxws-2.3.8.jar -> cxf-rt-frontend-jaxws-2.7.0.jar
  - cxf-rt-frontend-simple-2.3.8.jar -> cxf-rt-frontend-simple-2.7.0.jar
  - cxf-rt-transport-http-2.3.8.jar -> cxf-rt-transport-http-2.7.0.jar
  - cxf-rt-ws-addr-2.3.8.jar -> cxf-rt-ws-addr-2.7.0.jar
  - cxf-rt-ws-security-2.3.8.jar -> cxf-rt-ws-security-2.7.0.jar
  - **ADDED** -> cxf-rt-ws-policy-2.7.0.jar

- cxf-common-schemas-2.3.8.jar -> **REMOVED**
- cxf-common-utilities-2.3.8.jar -> **REMOVED**
- cxf-rt-transports-common-2.3.8.jar -> **REMOVED**
- cxf-tools-common-2.3.8.jar -> **REMOVED**
- wss4j has been upgraded from 1.5.12 to 1.6.7 (as per above)
- Note that, by default, Apache CXF 2.7.0 depends on jaxb-impl-2.2.5 instead of jaxb-impl-2.2.6. The 2.2.6 version should be explicitly included (or the version forced using the dependencyManagement section of the pom). The reason being that if this is not done then the org.apache.cxf:cxf-java2ws-plugin might fail when running java2ws on JDK 1.7 if you are using @XmlEnum on any of your web service objects in which case you would get an error like the following when the plugin attempts to generate the WSDL:

```
java.lang.ClassCastException: com.sun.xml.bind.v2.model.impl.RuntimeEnumLeafInfo
```

- The Logging interceptors now log using service specific categories/loggers instead of just LoggingInInterceptor/LoggingOutInterceptor. The names of the logger that is used is org.apache.cxf.services.ServiceName.PortName.PortTypeName. This allows the user to configure specific per service filters and formatters in their logging configuration. In KSB, these interceptors are added to exported services automatically. Because of that, existing Rice apps might use a log4j setting like the following to prevent SOAP message logging noise:

```
log4j.logger.org.apache.cxf.interceptor=WARN
```

Because of the changes made to CXF, these should be changed to the following:

```
log4j.logger.org.apache.cxf.services=WARN
```