

DISTRIBUTED DATA COLLECTION (DDC) FOR REINSURANCE (RI) AND RISK ADJUSTMENT (RA): EDGE Server Upgrade

October 18, 2016



**Health Insurance Marketplace Program
Training Series**

Agenda

- [Session Guidelines](#)
- [EDGE Server Upgrade](#)
- [On-Premise Servers](#)
- [AWS Server Upgrades](#)
- [Summary and Timeline](#)
- [Resources](#)
- [Closing Remarks](#)

Session Guidelines

- This is a 60 minute webinar session.
- For questions regarding content, please submit inquiries to: EDGE_Server_Data@cms.hhs.gov.
 - Include EDGE server and the Health Insurance Oversight System (HIOS) ID in the subject line.
- For questions regarding logistics and registration, please contact the Registrar at: (800) 257-9520.

Intended Audience

- Health Insurance Issuers
- Third Party Administrators (TPAs)

EDGE Server Upgrade

EDGE Server Software Upgrade

- The Centers for Medicare & Medicaid Services (CMS) has scheduled a maintenance release for December 2, 2016 which includes an update to the EDGE server software stack.
 - All EDGE servers will need to be upgraded to the following software versions.

Red Hat Enterprise Linux (RHEL)	MySQL	Java
7.2	5.7.14	1.8

- A Red Hat corporate account is required and technical staff will need the details of this account in order to perform this upgrade.
- This upgrade will not require any changes to existing central processing units (CPUs), memory or disk storage.

EDGE Server Software Upgrade Timing

- Issuers with Amazon Web Services (AWS) servers will need to be reprovisioned and have existing data migrated.
 - CMS will establish a schedule to complete these activities.
- Existing On-Premise (OP) servers may be upgraded or new servers may be set-up.
- Upgrades may begin on December 2, 2016 after executing the remote command associated with the maintenance release.
- All upgrades must be complete by January 31, 2017.
 - Important: Final data for interim RA reports is due by January 27, 2017.

EDGE Server Software Upgrade

Timing (continued)

- CMS encourages issuers to do the upgrade as early as possible and is confident that issuers can perform the system upgrade prior to the December 15th data submission deadline.
 - CMS expects that the upgrade should take less than a day to accomplish.
 - Issuers who plan to set up new servers can begin that work in advance.
- CMS will provide issuers with the necessary instructions to accomplish the upgrade by October 31, 2016.
- In addition, CMS is assessing the support necessary for all issuers to accomplish the upgrade in the timeframe specified.

EDGE Server Software Upgrade

Timing (continued)

- It is essential to complete these upgrades by January 31st because the end of life for these products will occur during the critical period of final 2016 data submissions.
- CMS cannot schedule the upgrade earlier due to the substantial amount of testing being performed.
 - Full regression testing is being performed to ensure the upgrades will not affect file ingest or program calculations.
 - This testing will ensure that all issuer servers, whether they are on the new or old version of the software stack, will function properly.

EDGE Server Software Compatibility

- The current EDGE Server application will be compatible after the December 2, 2016 maintenance release for issuers on the new or old software versions.
- The EDGE Server software will NOT be backwards compatible once the February maintenance release is deployed.
- Issuers who do not upgrade by January 31st will experience technical problems as new functionality in the software stack will be utilized in the February maintenance release.
 - Issuers who need technical support will be required to upgrade to the new software versions.

On-Premise New Server Set Up Notification

On-Premise Upgrade Procedures

- Issuers may upgrade existing OP servers or set-up new servers and migrate the data to the new server.
- Issuers with OP servers will need to perform the following procedures:
 - Back up schemas and directories.
 - Delete remote commands.
 - Upgrade to RHEL 7.2.
 - Uninstall MariaDB and install MySQL 5.7.
 - Install JDK 1.8.
 - Set up the basic application (new server set up only).
 - Restore application artifacts (new server set up only).
 - Restore data and test the application.

On-Premise Upgrade Procedures

(continued)

- Issuers will be provided with step-by-step instructions to perform these activities by November.
- Issuers will not need to register the new servers.
 - CMS will provide instructions on how to disable the existing server and how to enable the new server.
 - The new servers will have the same Server ID.
- Issuers who are setting up new servers can begin preparing now; however, CMS will not be able to provide support for new server set-ups until December 2, 2016.
 - CMS will work with issuers to support this upgrade between December 5, 2016 and January 31, 2017.

Data Retention Reminder

- CMS reminds issuers that they must adhere to the data retention requirement that three (3) years of data remain on their EDGE server whether they are upgrading or setting up a new server.
 - Any issuer setting up a new server will need to back up all archived and current year data and migrate all data to the new server.
- After the final 2016 data submission period, issuers will be permitted to move the 2014 Benefit Year data off the EDGE server to an external site.
 - CMS will provide additional details related to this data migration in the future.

AWS Server Upgrades

AWS Server Upgrade

- All AWS servers must be reprovisioned and the data migrated to the new server.
- CMS will perform the reprovisioning and data migration for issuers with AWS servers.
 - CMS will provide instructions on how to prepare for this process and will work with issuers to schedule the reprovisioning and migration activities.
 - Issuers should plan for the server to be off-line for one (1) business day.
 - Once reprovisioned, issuers can resume data submission.
- As with the OP servers, AWS issuers must adhere to the three (3) year data retention requirement and must migrate all data to the new server.

Summary and Timeline

Important Take-Aways

- EDGE Server upgrades begin on December 2, 2016.
- EDGE Server upgrades must be complete by January 31, 2017.
- AWS servers must be reprovisioned.
- OP servers may be upgraded or new servers set up.
 - Issuers with OP servers who plan to set up new servers should email EDGE_Server_Data@cms.hhs.gov.
- Issuers who fail to upgrade their servers by January 31st will experience technical difficulties.
- Issuers should plan accordingly to meet the upgrade deadline, the December 15th data submission deadline and the January 27, 2017 deadline to receive interim RA reports.

EDGE Server Upgrade and Other Activities

EDGE Activities		
October 31st	CMS	Provide set-by-step instructions for upgrade
November 1st	Issuer	Execute pre-upgrade activities, set up new servers and plan for migrations
November 9 th	Issuer	Data Submission to Production (90/25)
November 10 th	CMS	CMS deploys remote command for ECS/ECD and Frequency reports
November 10 th	Issuer	Execute remote commands to produce reports
December 2nd	CMS	Deploy updated EDGE application
December 2nd	Issuer	Issuers execute command begin system upgrades and migrations
December 15th	Issuer	Data Submission to Production (90/90)
December 16 th	CMS	CMS deploys remote command for ECS/ECD and Frequency reports
December 16 th	Issuer	Execute remote commands to produce reports
January 27, 2016	Issuer	Final date to submit data for interim RA reports
January 31, 2017	Issuer	Complete system upgrades and migrations

Questions?

To submit or withdraw questions by phone:

- *Dial *# (star-pound) on your phone's keypad to ask a question.*
 - *Dial *# (star-pound) on your phone's keypad to withdraw your question.*

Upcoming Webinar

Webinar	Scheduled Event Date
Q&A	October 25, 2016

Resources

Regulatory References

This list of regulatory references offers additional information and details on the Transitional Reinsurance Program.

- Standards Related to Reinsurance, Risk Corridors and Risk Adjustment (77 FR 17220) provided a regulatory framework: <http://www.gpo.gov/fdsys/pkg/FR-2012-03-23/pdf/2012-6594.pdf>
- HHS Notice of Benefit and Payment Parameters for 2014 (78 FR 15410): <http://www.gpo.gov/fdsys/pkg/FR-2013-03-11/pdf/2013-04902.pdf>
- Program Integrity: Exchange, Premium Stabilization Programs, and Market Standards (78 FR 65046) established oversight standards: <http://www.gpo.gov/fdsys/pkg/FR-2013-10-30/pdf/2013-25326.pdf>
- HHS Notice of Benefit and Payment Parameters for 2015 (78 FR 13744): <http://www.gpo.gov/fdsys/pkg/FR-2014-03-11/pdf/2014-05052.pdf>
- Exchange and Insurance Market Standards for 2015 and Beyond (79 FR 30240): <http://www.gpo.gov/fdsys/pkg/FR-2014-05-27/pdf/2014-11657.pdf>
- HHS Notice of Benefit and Payment Parameters for 2016 (80 FR 10750): <http://www.gpo.gov/fdsys/pkg/FR-2015-02-27/pdf/2015-03751.pdf>

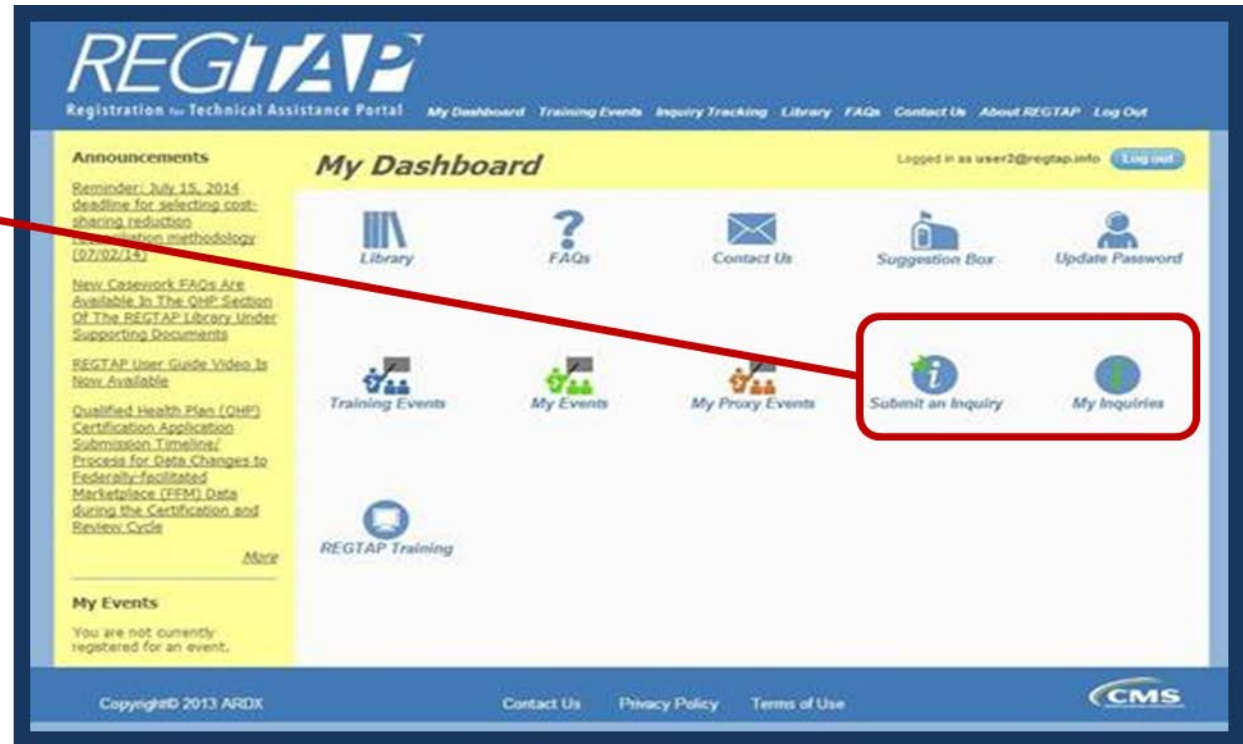
Resources

Resource	Link/Contact Information
U.S. Department of Health & Human Services (HHS)	http://www.hhs.gov/
Centers for Medicare & Medicaid Services (CMS)	http://www.cms.gov/
The Center for Consumer Information & Insurance Oversight (CCIIO) web page	http://www.cms.gov/ccio
Registration for Technical Assistance Portal (REGTAP) - presentations, FAQs	https://www.REGTAP.info
Registration and Form on Pay.gov	https://pay.gov/paygov/

Inquiry Tracking and Management System (ITMS)

Stakeholders can submit inquiries to ITMS at <https://www.REGTAP.info>.

Select 'Submit an Inquiry' from My Dashboard.



FAQ Database on REGTAP

My Dashboard



The FAQ Database allows users to search FAQs by FAQ ID, Keyword/Phrase, Program Area, Primary and Secondary categories, Benefit Year and Publish Date.

FAQ Database is available at
<https://www.regtap.info/>.

FAQ Search

FAQ ID Enter single FAQ ID or multiple IDs (1-10 or 15,18,87)

Keyword/Phrase

Program Area

Select All
ACA Financial Appeals
Agent Broker
Distributed Data Collection for RI and RA/Edge Server
Enrollment and Eligibility

Primary Category

Secondary Category

Benefit Year ?

Publish Date

Start Date

22

End Date

22

FAQs to Display: ?

- ☒ Current FAQs Only
☐ Retired FAQs Only
☐ All FAQs (Current and Retired)

Search

Clear Search

Closing Remarks