

EDGE Server 10/24/14 Maintenance Release Notes



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EDGE Server 10/24/14 Maintenance Release Summary (1 of 2)

Current EDGE Server Versions

EDGE Server Web Registration Site	EM_EDGE02.0_b0014
EDGE Server Application	EDGEServer_1.00.00_b0097

System Area

Updated Functionality (Now In Production)

EDGE Server	<ul style="list-style-type: none">The EDGE server was updated so that warning messages will no longer display by default when “edge” commands are executed.
EDGE Server – NPI Checks	<ul style="list-style-type: none">Some National Provider IDs (NPIs) ending in zero (0) were failing validation. File ingest process has been updated for proper NPI validation.
EDGE Server –Security Update	<ul style="list-style-type: none">The EDGE server was updated to include a bash security package update.The EDGE server was updated to include security patches for MySQL that were published by Oracle. The update will upgrade MySQL to version 5.5.40.<ul style="list-style-type: none">We provided a script to enable you to upgrade your MySQL to version 5.5.40 and install the bash and MySQL security patches in the release package on 10/24. This will place a script in the bin directory under EDGE_HOME(e.g., /opt/edge/bin). You can inspect this script, and edit it as you see fit. In order to execute it, run sudo /opt/edge/bin/applyPatches.sh from the command line.



EDGE Server 10/24/14 Maintenance Release Summary (2 of 2)

System Area	Updated Functionality (Now In Production)
File Ingest – Remote Command	<ul style="list-style-type: none">File ingest remote command process was updated to execute the “edge queue execute” command automatically during file ingest. This will enable automatic download of remote commands as a part of the “edge ingest” execution.<ul style="list-style-type: none">Many issuers have set up Cron jobs to execute “edge ingest”, and this new feature will also capture reference data updates during normal execution.
File Ingest – Medical Claim Field Validation	<ul style="list-style-type: none">The field level validation was updated for the issuerClaimPaidDate field on medical claims. The system will now reject any claims that include an issuerClaimPaidDate that includes alpha characters.<ul style="list-style-type: none">For example, a value of "AAAA-JK-PL" will now fail validation during ingest.
File Ingest - Performance	<ul style="list-style-type: none">The file ingest process for medical claims files was updated to improve performance and decrease ingest time by adding an index to the ORIGINAL_CLAIM_ID field on the MEDICAL_CLAIM table.

EDGE Server 10/17/14 Maintenance Release Notes



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EDGE Server 10/17/14 Maintenance Release Summary

Current EDGE Server Versions

EDGE Server Web Registration Site	EM_EDGE02.0_b0014
EDGE Server Application	EDGEServer_1.00.00_b0095

System Area

Updated Functionality (Now In Production)

Web Registration – On-Premise EDGE Server

- Resolved issue where in certain cases, some issuers were receiving an LRH error page when clicking the On-Premise EDGE server property key file download link more than twice.

EDGE Server 10/17/14 Maintenance Release

Pending Functionality

System Area	Updated Functionality (Coming Soon)
Performance	<ul style="list-style-type: none">• The application will be able to process claims files with more than one million claim lines.
EDGE Server	<ul style="list-style-type: none">• The “edge ingest” command will also automatically download remote commands that have been set up by CMS. These remote commands will enable automated download of plan reference data updates when made available by CMS. Until this functionality is released, users can get these updates by executing the “edge queue execute” command on the EDGE server.

EDGE Server 10/10/14 Maintenance Release Notes



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EDGE Server 10/10/14 Maintenance Release Summary (1 of 2)

System Area	Updated Functionality (Now In Production)
Web Registration	<ul style="list-style-type: none">• Resolved issue where certain users could not view their request if it failed provisioning.• Resolved issue where in certain cases, some users' business names were not displayed correctly when initially creating their request.• Resolved issue where in certain cases after successful provisioning, some users could not approve requests updated with new Third Party Administrator (TPA) information.
Web Registration – Search Page	<ul style="list-style-type: none">• Resolved issue where in certain cases after successful provisioning, some users could not view the entire change history of their request if updates had been made.• Resolved issue where certain TPAs could not view their submitted requests prior to successful provisioning.
Web Registration – View/Update Page	<ul style="list-style-type: none">• Resolved issue where in certain cases after successful provisioning, users who had updated the TPA on their request could not view the updated information.
Web Registration – Manage Request Page	<ul style="list-style-type: none">• Resolved issue where in certain cases after successful provisioning, users could not change the TPA hosting their server.• Resolved issue where in certain cases after successful provisioning, users could not update their Point of Contact (POC) information.
EDGE Server	<ul style="list-style-type: none">• Resolved issue where in certain cases after successful provisioning, some users could not host all of their issuers on the same MySQL database in their External Data Gathering Environment (EDGE) server.• Resolved issue where in certain cases after successful provisioning, some users were unable to successfully upload files to their server.• Resolved issue where in certain cases, users with multiple insurance plans could not load all of their data onto the EDGE server.

EDGE Server 10/10/14 Maintenance Release Summary (2 of 2)

System Area	Updated Functionality (Now In Production)
Plan Reference Data – Loaded Plan Reference Data for Off-Exchange plans from RBIS	<ul style="list-style-type: none">• New EDGE servers will pick up the plan reference data as a part of provisioning. Servers that have already been provisioned should also pick up a remote command to load this reference data. Issuers who want to be certain that the remote command has been picked up can run the “edge queue execute” command from the EDGE Server console.
File Processing	<ul style="list-style-type: none">• Resolved issue where in certain cases after successful provisioning, some users were unable to retrieve detailed error reports for certain file types after processing.
EDGE Server	<ul style="list-style-type: none">• Resolved issue where in certain cases, some users were unable to truncate their database tables in their test environments.<ul style="list-style-type: none">• This release includes new functionality to enable you to truncate the data in your test environment, and, pending review with the Centers for Medicare & Medicaid Services (CMS), truncate the data in your Production environment. The following command is executed from the EDGE Server LINUX console by an EDGE Administrator. Any user who has access/permission to run edge commands will be able to execute the following two (2) commands:<ul style="list-style-type: none">• edge truncate test• edge truncate prod• In both cases, the command will search for a file on the Issuer-specific CMS Amazon Web Services (AWS) S3 bucket for permission to execute this command on or before a particular date. In order to get a permission file created for you, please contact the CMS Help Desk by emailing CMS_FEPS@cms.hhs.gov or call 1-855-CMS-1515.

EDGE Server 10/10/14 Maintenance Release

Pending Functionality

System Area	Updated Functionality (Coming Soon)
Web Registration – On-Premise EDGE	<ul style="list-style-type: none">• System will automatically invalidate the prior application update access key upon creation of new application update access key.
Performance	<ul style="list-style-type: none">• The application will be able to process claims files with more than one million claim lines.

EDGE Server 10/3/14 Maintenance Release Notes



EDGE Server 10/3/14 Maintenance Release Summary

System Area	Updated Functionality (Now In Production)
File Processing	<ul style="list-style-type: none">• The application accepts medical claims with dental service codes• The duplicate claim line edit check is disabled for revenue codes 0270-0279• The EDGE application accepts claims with a “paid date” that’s greater than the “claim processed date” <p>*See subsequent slides for additional details around the updated functionality.</p>

EDGE Server 10/3/14 Maintenance Release Details (1 of 2)

System Area	Updated Functionality (Now in Production)	Issuer Impact
File Processing	<p>The system shall support the following service code reference updates for Medical Claim File submissions only:</p> <ul style="list-style-type: none">- Add a new 'serviceTypeCode' value of 01 – Dental service codes and include a logical edit as follows:- Where the 'serviceTypeCode' value = 01, bypass reference edit checks on the 'serviceCode'	<ul style="list-style-type: none">• The application accepts medical claims with dental service codes
	<p>The system shall make the following update to the exception list for duplicate checks when processing Medical Claim File Submissions only:</p> <ul style="list-style-type: none">- Expand the REV code exception reference list for supplies from 0272 to 0270-0279	<ul style="list-style-type: none">• The duplicate claim line edit check is disabled for revenue codes 0270-0279

EDGE Server 10/3/14 Maintenance Release Details (2 of 2)

System Area	Updated Functionality (Now in Production)	Issuer Impact
File Processing	<p>The system's logical edit check on prescriptionFillDate in the pharmacy file has been updated:</p> <p>The system will no longer perform the following logical edits:</p> <ul style="list-style-type: none"> - The prescriptionFillDate must not exceed the issuerClaimPaidDate by more than one day. - If issuerClaimPaidDate is null, prescriptionFillDate must be <= claimProcessedDateTime. 	<p>The EDGE application accepts claims with a "paid date" that's greater than the "claim processed date"</p>
	<p>The system's logical edit check on issuerClaimPaidDate in the pharmacy file has been updated:</p> <p>The system will no longer perform the following logical edit:</p> <ul style="list-style-type: none"> - The issuerClaimPaidDate must be <=claimProcessedDateTime <p>The system will continue to perform the following logical edit:</p> <ul style="list-style-type: none"> - If derivedServiceClaimIndicator is N, then Paid Date must be populated 	
	<p>The system's logical edit checks on the issuerClaimPaidDate in the medical file has been updated:</p> <p>The system will no longer perform the following logical edit:</p> <ul style="list-style-type: none"> - The issuerClaimPaidDate must be <=claimProcessedDateTime <p>The system will continue to perform the following logical edit:</p> <ul style="list-style-type: none"> - If derivedServiceClaimIndicator is N, then Paid Date must be populated 	

EDGE Server 10/3/14 Maintenance Release Pending Functionality

System Area	Updated Functionality (Coming Soon)
Plan Reference Data	<ul style="list-style-type: none">• The EDGE application plan reference data will be updated to include updated RBIS data on off-exchange plans. Issuers will have to contact CMS if they have off exchange plans that are currently not in RBIS.
POC Updates	<ul style="list-style-type: none">• Issuers will be able to update point of contact information on EDGE registration requests.
Web Registration – Search Page	<ul style="list-style-type: none">• TPA can view submitted registration requests with a “pending CMS approval” status.
Web Registration – On-Premise EDGE	<ul style="list-style-type: none">• System will automatically invalidate the prior application update access key upon creation of new application update access key.
Performance	<ul style="list-style-type: none">• The application will be able to process claims files with more than one million claim lines.

EDGE Server 9/26/14 Maintenance Release Notes



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FM EDGE 2 & 3 Issuer Resources (1 of 5)

FM EDGE	Planned PROD Deployment
Timing	Saturday, September 27th

	Amazon Web Services (AWS) EDGE	On-Premise EDGE
Overview	<p>Cloud Server Provisioned by AWS</p> <ul style="list-style-type: none"> • <i>Server set-up:</i> Automated • <i>Hardware requirements:</i> None • <i>Software requirements:</i> OS included in AWS server purchase • <i>Security:</i> Shared responsibility between Amazon and issuers • <i>Infrastructure:</i> Leverages Amazon's existing infrastructure • <i>Scalability:</i> Additional capacity available • *Only the issuer has access to raw data and detailed reports 	<p>Physical or Virtual Server Managed / Provisioned by Issuer</p> <ul style="list-style-type: none"> • <i>Server set-up:</i> Manual • <i>Hardware requirements:</i> Server • <i>Software requirements:</i> Issuer purchases OS license • <i>Security:</i> Issuer-owned responsibility • <i>Infrastructure:</i> Issuer-provided based on CMS specifications • <i>Scalability:</i> Dependent on issuer capability • *Only the issuer has access to raw data and detailed reports
Notes	<ul style="list-style-type: none"> • For all of the Job Aids referenced in this document, please refer to the REGTAP library for the latest updates • All of the REGTAP Presentations referenced are linked in this document for additional context <ul style="list-style-type: none"> – Dates included in this document reference dates of upload to the REGTAP library • For EDGE server support, please send all questions to CMS Help Desk email: CMS_FEPS@cms.hhs.gov or call 1-855-CMS-1515 	



FM EDGE 2 & 3 Issuer Resources (2 of 5)

FM EDGE	Planned PROD Deployment
Timing	Saturday, September 27th

	Amazon Web Services (AWS) EDGE	On-Premise EDGE
Issuer Activities & Resources	<p>Step 1: Account Setup</p> <ul style="list-style-type: none"> • Create an Amazon Web Services (AWS) account <ul style="list-style-type: none"> – Job Aid: AWS Account Setup – Presentation: AWS EDGE Server Set-Up Best Practices (9/15) – Presentation: EDGE Server Pre-registration Walkthrough (8/14) – Presentation: EDGE Server Registration & Provisioning Guidance (7/24) – In addition, Amazon developed a YouTube video on “Creating an Amazon Web Services Account” <p>Step 2: Request an AWS EDGE Server Instance</p> <ul style="list-style-type: none"> • Request an AWS EDGE instance as part of establishing an Amazon EDGE server <ul style="list-style-type: none"> – Job Aid: Requesting an AWS EDGE Instance • <i>Prerequisite:</i> AWS account setup must have been completed, including Requesting a Service Limit Increase 	<p>Step 1: On-Premise EDGE Server Setup</p> <ul style="list-style-type: none"> • Decide if server is virtual or physical • Pre-configure On-Premise EDGE Server <ul style="list-style-type: none"> – Job Aid: On-Premise EDGE Server Set Up – Presentation: EDGE Server Pre-registration Walkthrough (8/14) – Presentation: EDGE Server Registration & Provisioning Guidance (7/24) – Presentation: On-Premise EDGE Server Guidance (6/26) – Issuers are required to set-up one server instance per HIOS issuer ID and are not permitted to configure deployment properties file to allow multiple HIOS issuer IDs on a single server instance – Issuers have the option to use a hypervisor to create multiple virtual instances on a single physical server



FM EDGE 2 & 3 Issuer Resources (3 of 5)

FM EDGE

Planned PROD Deployment

Timing

Saturday, September 27th

Amazon Web Services (AWS) EDGE

Step 3: EDGE Server Registration

- Access the EDGE server registration site and submit a request for an EDGE server
 - **Job Aid: EDGE Server Registration**
- *Prerequisites:*
 - All issuers must register for a HIOS Issuer ID
 - Issuers must request in HIOS an EDGE server registration user role:
 - Issuer EDGE Registration Request Submitter (submits / manages EDGE server requests)
 - Issuer EDGE Registration Request Approver (approves EDGE server requests)
 - Note: Submitters and Approvers should BOTH be registered for roles prior to starting registration for an EDGE server
 - Issuers acting as a TPA must identify themselves in HIOS as an EDGE server TPA by editing their organization in HIOS
 - Register for an AWS Account (and select support level)
 - Email aws-edge@amazon.com for a BAA
 - Contact Amazon to set up alternate payment options

On-Premise EDGE

Step 2: On-Premise EDGE Server Registration

- Access the EDGE server registration site and submit a request for an EDGE server
 - **Job Aid: EDGE Server Registration**
- *Prerequisites:*
 - All issuers must register for a HIOS Issuer ID
 - Issuers must request in HIOS an EDGE server registration user role:
 - Issuer EDGE Registration Request Submitter (submits / manages EDGE server requests)
 - Issuer EDGE Registration Request Approver (approves EDGE server requests)
 - Note: Submitters and Approvers should BOTH be registered for roles prior to starting registration for an EDGE server
 - Issuers acting as a TPA must identify themselves in HIOS as an EDGE server TPA by editing their organization in HIOS
 - Obtain and configure On-Premise server:
 - Choose physical or virtual server
 - Install and configure software: Red Hat Enterprise Linux v6.5 (64 bit); MySQL version 5.5.37; Java version 1.7 u51
 - Configure firewall rules
 - Set up file directories

FM EDGE 2 & 3 Issuer Resources (4 of 5)

FM EDGE Planned PROD Deployment

Timing **Saturday, September 27th**

Amazon Web Services (AWS) EDGE

Step 4: Amazon EDGE Server Provisioning

- Once an AWS EDGE server request has been approved by CMS, the EDGE server is automatically provisioned in the AWS cloud using the details provided during registration, and requires no further action from the issuer
- Once provisioning is completed, the request status is updated in the registration site and the user is able to log in to AWS and begin processing files
 - **Job Aid: AWS EDGE Server Provisioning**
 - [Presentation: EDGE Server Registration & Provisioning Guidance](#) (7/24)
- *Prerequisite:* AWS EDGE server registration; CMS approval of EDGE server request

Step 5: Setup AWS File Processing Email Notification

- Create a subscription email service in AWS that will send notifications to issuers anytime a file has been picked up for processing, loaded to outbox (outbound report), and / or sent to CMS
- Set up email notification using Amazon's Simple Notification Service (SNS), a push messaging service for mobile devices allowing for notifications by SMS texts or email to Amazon Simple Queue Service (SQS) queues or any HTTP endpoint
 - **Job Aid: AWS File Processing Email Notification**
- *Prerequisites:* Confirmation of successful provisioning, connection, and functioning of EDGE server

On-Premise EDGE

Step 3: On-Premise EDGE Server Provisioning

- Manually run installation scripts downloaded from the EDGE registration site
- Confirm successful installation and connect to the EDGE server
 - **Job Aid: On-Premise EDGE Server Provisioning**
 - [Presentation: On-Premise EDGE Server Provisioning and File Load Processing](#) (9/18)
 - [Presentation: EDGE Server Registration & Provisioning Guidance](#) (7/24)
- *Prerequisite:* EDGE server registration; CMS approval of EDGE server request

FM EDGE 2 & 3 Issuer Resources (5 of 5)

FM EDGE	Planned PROD Deployment
Timing	Saturday, September 27th

	Amazon Web Services (AWS) EDGE	On-Premise EDGE
Issuer Activities & Resources	<p>Step 6: Amazon EDGE Server File Processing</p> <ul style="list-style-type: none">• Upload enrollee and claims files to their AWS S3 bucket and generate outbound reports<ul style="list-style-type: none">– File Ingest<ul style="list-style-type: none">○ Issuers upload enrollment, claims and supplemental diagnosis files○ EDGE server software applies verification edits outlined in the Interface Control Document (ICD) and EDGE Server Business Rules– Outbound Reports<ul style="list-style-type: none">○ Outbound reports are file processing reports generated after inbound files submitted by issuers are processed and verified○ Outbound files will be available to the issuer in order to review and analyze the processing results of the enrollment, claims and supplemental diagnosis information submitted for RI and RA processing– Job Aid: AWS EDGE Server File Processing– Presentation: File Load Processing, Outbound Reports & Error Codes (9/5)• <i>Prerequisites:</i> Confirmation of successful provisioning, connection, and functioning of EDGE server	<p>Step 4: On-Premise EDGE Server File Processing</p> <ul style="list-style-type: none">• Upload enrollee and claims files to their OP file directory and generate outbound reports<ul style="list-style-type: none">– File Ingest<ul style="list-style-type: none">○ Issuers upload enrollment, claims and supplemental diagnosis files○ EDGE server software applies verification edits outlined in the Interface Control Document (ICD) and EDGE Server Business Rules– Outbound Reports<ul style="list-style-type: none">○ Outbound reports are file processing reports generated after inbound files submitted by issuers are processed and verified○ Outbound files will be available to the issuer in order to review and analyze the processing results of the enrollment, claims and supplemental diagnosis information submitted for RI and RA processing– Job Aid: On-Premise EDGE Server File Processing– Presentation: On-Premise EDGE Server Provisioning and File Load Processing (9/18)– Presentation: File Load Processing, Outbound Reports & Error Codes (9/5)• <i>Prerequisites:</i> Confirmation of successful provisioning, connection, and functioning of EDGE server



FM EDGE 2 & 3 Pending Functionality

FM EDGE	Planned PROD Deployment
Timing	Saturday, September 27th

System Area	Updated Functionality (Coming Soon)
File Processing	<ul style="list-style-type: none">• The EDGE application will accept claims with a “paid date” that’s greater than the “claim processed date”• The duplicate claim line edit check will be disabled for revenue codes 270-279.• The application will accept dental claims.
POC Updates	<ul style="list-style-type: none">• Issuers will be able to update point of contact information on EDGE registration requests.
Web Registration – Search Page	<ul style="list-style-type: none">• TPA can view submitted registration requests with a “pending CMS approval” status.
Web Registration – On-Premise EDGE	<ul style="list-style-type: none">• System will automatically invalidate the prior application update access key upon creation of new application update access key.
Performance	<ul style="list-style-type: none">• The application will be able to process claims files with more than one million claim lines.
Plan Reference Data	<ul style="list-style-type: none">• The plan reference file will be updated to include off-exchange plans that are currently registered in RBIS (the reference file will be updated by 10/4/14). Issuers will have to contact CMS if they have off exchange plans that are currently not in RBIS.

