Who should read this document?

This document is intended for system administrators and clinic managers. It summarizes new features and describes the latest technical requirements for installing / upgrading to Centricity Practice Solution 12.0.7.

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### Download your complete documentation library

Download your complete documentation library from engage.gehealthcare.com/community/en/cps/documentation. Unzip to a folder on your system. When you open a document from the Centricity Document Library, you can click links to other guides to open them. Links do not work if you copy a document to a location outside the library folder.

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### Important! The installation process for this release has changed from previous service packs. This release is a full upgrade, allowing you to upgrade directly from Centricity Practice Solution v7.1.2, v10.1.3, or v12.x.

Read the entire release note document before proceeding.

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### If you are the clinic manager or practice administrator...

Carefully review and consider how changes in this release affect your practice setup and workflows. For questions about how these changes affect your practice, contact Centricity Services at 888.436.8491 option 1, or your Value Added Reseller (VAR).

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### If you are the system administrator...

Before installing or upgrading to this release, review the requirements documented in this release note and the system software/hardware requirements and installation/upgrade instructions in your Centricity Practice Solution documentation library:

- Configuring Environments for Centricity Practice Solution
- Installing Centricity Practice Solution
- Upgrading to Centricity Practice Solution

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### Important! 3rd-party integration requirements.

If you integrated Centricity Practice Solution with non-GE products, contact your providers to confirm support for integrations and any new configuration requirements.

**EDI Plug-ins.** You will need to re-install and reconfigure your EDI plug-ins after upgrading to Centricity Practice Solution 12.0.7.
What’s new in this release?

Support for 14 additional Clinical Quality Measures

This release includes support for 14 additional Clinical Quality Measures, bringing the total of supported CQMs to 36. For detailed information about each measure and how to ensure you are capturing the correct data, see Achieving Meaningful Use with Centricity Practice Solution.

<table>
<thead>
<tr>
<th>Measure Code</th>
<th>Description</th>
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<tr>
<td>CMS550 / PQRS 374</td>
<td>Closing the Referral Loop: Receipt of Specialist Report</td>
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<td>CMS556 / PQRS 376</td>
<td>Functional Status Assessment for Hip Replacement</td>
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<td>CMS68 / NQF 0419 / PQRS 130</td>
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<td>CMS135 / NQF 0081 / PQRS 5</td>
<td>Heart Failure (HF): Angiotensin-Converting Enzyme (ACE) Inhibitor or Angiotensin Receptor Blocker (ARB) Therapy for Left Ventricular Systolic Dysfunction (LVSD)</td>
</tr>
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<td>CMS136 / NQF 0108 / PQRS 366</td>
<td>ADHD: Follow-Up Care for Children Prescribed Attention-Deficit/Hyperactivity Disorder (ADHD) Medication</td>
</tr>
<tr>
<td>CMS142 / NQF 0089 / PQRS 19</td>
<td>Diabetic Retinopathy: Communication with the Physician Managing Ongoing Diabetes Care</td>
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<td>CMS144 / NQF 0083 / PQRS 8</td>
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</tr>
<tr>
<td>CMS146 / NQF 0002 / PQRS 66</td>
<td>Appropriate Testing for Children with Pharyngitis</td>
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<td>CMS153 / NQF0033 / PQRS 310</td>
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<td>Use of High-Risk Medications in the Elderly</td>
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<td>CMS160 / NQF 0712 / PQRS 371</td>
<td>Depression Utilization of the PHQ-9 Tool</td>
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<tr>
<td>CMS164 / NQF 0068 / PQRS 204</td>
<td>GPRO IVD-2 Ischemic Vascular Disease (IVD): Use of Aspirin or Another Antithrombotic</td>
</tr>
</tbody>
</table>

PQRS updates to capture Medicare Part B patient visits

This release includes the ability to associate an insurance carrier with a Medicare Part B code so patient visits are recognized for the PQRS program. Providers participating in the PQRS program must satisfactorily report data on quality measures for covered Physician Fee Schedule (PFS) services furnished to Medicare Part B Fee-for-Service (FFS) beneficiaries. Medicare Part B patients are identified based on values in the primary & secondary insurance fields.

Two steps must be completed before December 31, 2014, when the PQRS reporting period ends:

1. Identify insurance carriers as Medicare Part B using an SOP code.
2. Identify patients with Medicare Part B insurance carriers and send to CQR.

For detailed information about performing these steps, see PQRS 2014 Capturing Medicare Part B Insurance available on the CQR page of the Centricity Services website: https://engage.gehealthcare.com/community/en/cps/cqr

To make sure the correct data is being reported, do the following:

1. Install Centricity Practice Solution 12.0.7.
What's new in this release?

2 Follow the instructions in PQRS 2014 Capturing Medicare Part B Insurance to update Insurance carriers with SOP field.

3 Run inquiries to feed CQR with past visits.

4 Confirm the initial date for the Clinical Quality Measure subscription is 1/1/2014 and confirm CCDAs with PQRS data complete ingestion. If required, subscription changes will be performed by Centricity Services or your Value-Added Reseller.

5 Confirm PQRS results on the CQR Web site on a provider Dashboard. Each participating provider should have at least one eligible Medicare patient included in their results.

6 After CQR 1.2.0.5 is deployed (expected to be the end of November) you can run a PQRS-specific report.

Fixed issues
The following issues have been addressed in this release:

- EPID has been added to the CCDA generated for CQR. SPR 61185
- Fixed an issue where, on the CCDA, prescribed medications were listed as “ordered” instead “active”. SPR 61205/59103
- The start/stop dates of medication orders on the CCDA are taken from the prescribing/refill time rather than from the medication duration date. SPR 61207/59173
- Insurance carries now load correctly when using System > Load Insurance Carrier > Search. SPR 61259/61255
- The CCDA now includes the Risk Category Assessment category in the Procedure subsection of the Results section. SPR 61317/59226
- On the CCCDA, the Procedure and Performed stop and start dates for GE Negated Observations are now the same. SPR 61318/59954
- Fixes an issue where a CVS created for one patient was attached to a document on a different patient. SPR 61800/60572
- The FH-SH-CCC form no records “No Known Relative” and “No Known Family History” as a first degree relative to allow for adopted patients to get credit for MU Family History measures. SPR 61858
- Fixed an issue where the Care Provider on the CVS was listed as the user who created the document rather than the provider of the document. SPR 61649

MU 2014 Functional Measure changes (“MU SQL Patch”)
The following changes address MU 2014 workflows and data capture variations identified across our customer base. It updates how data is stored to ensure it is appropriately sent to CQR for calculations, revises how data is used in CQR, and also resolves relevant historical data so customers can calculate updated results.

Changes include SQL scripts that change how data is identified and gathered for 8 Meaningful Use Functional measures and scripts that run nightly to address missing data in the MU Activity Log and make adjustments in what data is being sent to CQR. Data omitted previously is identified and sent, and data sent wrongly is set to File in Error on the CQR site so it will not be included in calculations.
After the update, the system resends all Functional measure (JSON) data sent from October 1, 2014 (the start date for reporting for Q4) to the time of application of the service pack. The Functional Measure subscription does not need to be changed for this to occur. However, if your reporting period begins before Q4, you can change the start date. For instructions and additional details, see “Optionally change epoch date” on page 8.

Performance and reliability updates

Updates were applied to reduce the likelihood of JSON generation failing due to long running scripts. This risk is addressed by improving the efficiency of stored procedure processing and by changing the date range for data to be resent to CQR to October 1, 2014 to the time of this service pack is applied. In the limited release, the system resent data from the time of upgrade to Centricity Practice Solution v12.0.x. SPR 61986

Changes include the following:

MU_NightlyDataFixes nightly job

This new nightly job runs nightly at 8 pm per local server time by default and does the following:

- Updates data in appended docs to point to the parent visit or “seen by” document so that events recorded in appends can be counted for Meaningful Use. This ensures that Meaningful Use data for a provider that is included in an appended document is properly counted.
- Writes PATPORTALPIN observation term to the MUActivityLog so grants of patient access to portal are counted. SPR 61860

Core Measure 1: CPOE for Medication, Laboratory and Radiology Orders (Stage 1 & 2)

The system now counts CPOE for the licensed/credentialed user who entered the lab or radiology order or prescription/refill. That person can be the Eligible Professional or a licensed/credentialed staff person. Previously, it counted CPOE only for the user who signed the document.

Users who enter orders, such as Medical Assistants, need to be credentialed per their state, local, or professional guidelines.

Medications orders: If you use the Medication Administration form, Requested By provider should be the EP. Licensed/credentialed ancillary staff members can perform the administration and document the details and auto-generate the orders.

Reprinting, re-faxing, historical prescribing methods, or zero quantity prescriptions are no longer counted in the denominator.

Lab/Radiology orders: Now only counts the licensed/credentialed user who enters the order and does not remove it from the numerator if the order is modified after it is signed, for example, when a Referral Coordinator updates the order with administrative information and sends it out. Previously, if a qualifying order was modified by someone not licensed/credentialed, it was removed from the numerator, counting against the EP.

Orders entered in an Admin Hold state are also counted now.

Core Measure 2: ePrescribing (eRx) (Stage 2)

Otherwise qualifying electronic prescriptions will count as long as an eligibility check is received even if no formulary is available or if a formulary is linked to the patient’s medical insurance. Previously, if the patient did not have a Surescripts formulary, the
prescription was not be counted in the numerator of the measure, even though an eligibility check was done or another formulary was selected.

Be sure to view the eligibility status to ensure that formulary response has been received within 24 hours.

Only prescriptions sent with Electronic prescribing method count in numerator.

**Core Measure 5 & Core Measure 7: Patient Electronic Access (Stage 1 & 2)**

System is now tracking and counting when PATPORTALPIN workflow is used to grant patients portal access. Previously, populating the observation term PATPORTALPIN was not included in MU Activity Log which resulted in under counting patients with portal access.

See also “MU_NightlyDataFixes nightly job” on page 4, for more information about how PATPORTALPIN observations are counted.

**Core Measure 13 & Core Measure 8: Clinical Summaries (Stage 1 & 2)**

If a patient declines a Clinical Visit Summary (CVS), it is now counted in the numerator whenever recorded even if a document is signed at a later date, or recorded in an appended document. Previously, declines were incorrectly excluded from the numerator if the document was not signed within 4 days or if included in an appended document.

See also “MU_NightlyDataFixes nightly job” on page 4, for more information about how appended documents are counted.

**Menu Measure 2 & Core Measure 10: Clinical Lab-Test Results (Stage 1 & 2)**

A new Chart Document View **Structured Lab Results (MU)** is used to determine which documents to count as structured lab results for the measure. Only documents with document types in this view that include structured lab results will count toward the measure. The view includes the Lab Report document type by default. Only use this document type for documents with structured lab results.

After the service pack is applied, all documents created with this document type will be sent to CQR and count toward the measure. If you change a document to a document type that is not included in this view, it will be resent to CQR as Filed in Error and will not be included in the calculations.

**Custom lab document types.** After the service pack is applied, add any custom document types you use for lab reports to this view. When the document type is added to the view, any documents with that document type dating back to October 1, 2014 (the start date for reporting for Q4) are automatically resent to CQR.

If your reporting period begins before Q4, you can adjust the range of data sent. See “Optionally change epoch date” on page 8.

Issues corrected for this measure include:

- Structured lab results are counted if they are “pos”, “neg”, “positive,” or “negative”. Numeric values and the values “Y”, “N”, “Yes”, or “No” are also counted. SPR 61856, 61861

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What’s new in this release?
- Preliminary lab results that are replaced with Final structured results are now treated as Filed in Error in CQR and not counted in either the numerator or the denominator. SPR 61239, 61252
- If the EP changes the lab report to a different document type, such as Pathology Report, to indicate that it does not contain structured lab results, it is no longer counted in the denominator. SPR 61854

In the LinkLogic LabLink interface, some HL7 clinical document codes are mapped to the Lab Report document type on import. You may also have custom cross-reference files that map document codes to this or other standard document types or to custom document types. Check your implementation and cross-reference files to make sure imported lab results with structured results are mapped to document types in the new Structured Lab Results (MU) view and that documents that do not include structured results, such as Pathology Report, are mapped to a document type that is not included in the view.

Menu Measure 7 & Core Measure 14: Medication Reconciliation (Stage 1 & 2)

Medication reconciliations for transitions of care are now counted when the EP manually checks the medication reconciliation box within an append to the office visit. See also “MU_NightlyDataFixes nightly job” on page 4, for more information about how appended documents are counted.

Menu Measure 3: Imaging Results (Stage 2)

A new Chart Document View Imaging Results (MU) is used to determine which documents to count as Imaging Results. Only documents with document types in this view will count toward the measure. The view includes the Imaging Report document type by default. This document type should only be used for documents that include imaging results or links to imaging results.

After this update is applied, all documents created with this document type created will be sent to CQR and counted toward the measure.

Custom imaging document types. After the service pack is applied, add any custom document types you use for imaging reports to this view. When the document type is added to the view, any documents with that document type dating back to October 1, 2014 (the start date for reporting for Q4) are automatically resent to CQR.

Important. If you 1) only use Imaging Report document type for imaging results and 2) add any custom document types to the view, your measure results should be accurate. However, if Imaging Report is also associated with documents that are not imaging results, such as scanned written reports or PDF documents from a document management system, your results will be inaccurate.

To correct this, identify any documents with Imaging Report document type that are not imaging results and associate them with a new document type that is not included in the Imaging Results (MU) view using Change Document Properties. When you change the document type to one that is not in the view, the document will be resent to CQR with a Filed in Error message so it is not counted in the measure.

In the LinkLogic ImageLink interface, some HL7 clinical document codes are mapped to the Imaging Report document type on import. You may also have custom cross-reference files that map document codes to this document type or other
custom document types. Check your implementation and cross-reference files to make certain imported imaging results are mapped to document types in the Imaging Results (MU) view and that non-imaging documents are mapped to a document type that will not be included in the view.

Menu Measure 4: Family Health History (Stage 2)
System now counts when EP checks No Known Family History for a first degree relative. This corrects a known issue for documenting Family History in the released product.

Confirming data updates to CQR
After the service pack is applied, Functional Measure data will be resent to CQR. Once data is ingested, you can recalculate your data.

To ensure all data sent to CQR is corrected, this update resends data from October 1, 2014 (the start date for reporting for Q4). This increases the size and duration of the MU Functional measure data feed on the first run after this update is applied.

If your reporting period begins before Q4, you can adjust the range of data resent. See “Optionally change epoch date” on page 8.

1. Apply the service pack update and restart JBoss before subscription processing begins for the day.
2. If appropriate, change the date range for data to be resent. See “Optionally change epoch date” on page 8. This step should also be accomplished before subscription processing begins.
3. Wait over night for new nightly jobs to run, functional measure subscription to process data to be resent, and Qvera Interface Engine to send queued data.
4. After 9 am the following morning (or whenever QIE processing is scheduled to complete in your environment), log into CQR as administrator or Quality Champion.
5. Go to Member Insight > Data Ingestion tab to and check if ingestion is complete.
6 Next, look above this list at the **Last Received Data** value to determine when the last CCDA was ingested.

7 Wait at least 4 hours after the last CCDA was ingested and then click **Calculate Now**.

8 Wait another 4 hours and then check your results on the Dashboard.

**Optionally change epoch date**

To ensure all data sent to CQR is corrected, all Functional measure (JSON) data is resent sent from October 1, 2014 (the start date for reporting for Q4) to the time of application of this update. This increases the size and duration of the MU Functional measure data feed on the first run after this update is applied.

Moreover, whenever you make changes to Document Views used by Imaging Results and Structured Lab Results, the data feed will include information for document types added or removed back to the date you upgraded.

If your reporting period begins before Q4, you can change the start date.

| If providers in your organization use different reporting periods, use the earliest reporting period. |

**What is my epoch date?**

Run this SQL query:

```sql
select value from symbol where object='MU_Functional_epoch_date' and name='Date'
```

**How do I update the epoch date?**

Run these SQL statements using date format 'mm/dd/yyyy' for the start of your reporting period:

```sql
update symbol set value='MM/DD/YYYY' where id=2 and object='MU_Functional_epoch_date' and name='Date';
```

**Known issues**

**Using Meaningful Use Crystal Reports v1.10.2**

If you are using Meaningful Use Crystal Reports v1.10.2 to report on 2013 Stage 1 criteria from before and after upgrade to the 2014 edition technology using 2013 criteria workflows, upgrading to this or a later service pack will break the report view Patient Encounter (MU) and prevent some v1.10.2 Crystal Reports from starting.

**Workaround:** After upgrade, re-execute CPS_1.10.2_Script.sql included with Meaningful Use Crystal Reports v1.10.2 package. See release notes for this package for details available on the Service Portal on the Meaningful Use Web page at [https://engage.gehealthcare.com/community/en/cps/mu](https://engage.gehealthcare.com/community/en/cps/mu). SPR 61034
The script FixGroupIds.inf must be run manually when upgrading.

If you have already run the FixGroupIDs script, you do not need to run it again for this update.

The script FixGroupIds.inf must be run manually in order to import subscriptions into the application. If the script is not run, users may see erroneous behavior and/or messages when attempting to import subscriptions. To run the script:

1. Open Server Setup.
2. Go to Utilities > Run Script File and select CPS_12_Staging > SS > FixGroupIds.inf.

SPR 57387

Intermittent errors when upgrading on Windows Server 2012

Occasionally, users on Windows Server 2012 may see the error: “Windows server 2008 R2 is required and SQL server instance is NOT hosted on Windows server 2008 R2. You must select a different SQL server instance.” SPR 60257

Before you install this release...

Before installing this release, please review the following checklist of system requirements, important pre-installation considerations, and steps to watch out for during the install to ensure a successful upgrade.

Supported upgrade paths

You can upgrade to this version from the following versions:


Compatible client versions

- Terminal services/Citrix server: Centricity Practice Solution 12.0.7 and Centricity EMR 9.8 client applications can be installed on the same server.

- Standalone client workstation: Centricity Practice Solution 12.0.7 and Centricity EMR 9.8 clients can be installed on the same workstation.

!!! Install the Centricity EMR 9.8 client FIRST, then install the Centricity Practice Solution 12 (PM-only) client.

Supported platforms/software

See Configuring Environments for Centricity Practice Solution for recommended software and hardware configurations to support Centricity Practice Solution 12.0.7 in a variety of computing environments.

Summary requirements include:

- Database and general server operating system: Microsoft® Windows Server 2012 SP1 Enterprise or Standard or Windows Server 2008 R2 64-bit SP1

- Application Server (JBoss): JBoss v6 with 64-bit JVM
Data Exchange Server: Microsoft Windows Server 2012 64-bit or Microsoft Windows Server 2008 R2 64-bit and supported Windows Client platforms for MIK, Data Transfer Station, and Qvera Interface Engine (QIE).

Hyper-V: Microsoft Hyper-V Server 2012 or Microsoft Hyper-V Server 2008 R2 or Windows Server 2008 R2 64-bit

VMware: VMWare ESX 5.1, VMWare VMKernel (Linux)

Browser and Mobile Access: Internet Explorer 9 or 10

Browser and Mobile Access device operating system: iPhone iOS 6.x

Client operating systems: Microsoft Windows 8 Professional (32-bit or 64-bit) or Microsoft Windows 7 Professional (32-bit and 64-bit SP1)

!!! Microsoft Windows XP and Vista are no longer supported for the client. Internet Explorer v9 requires Microsoft Windows v7 or later.

Enterprise applications: Microsoft Office 2010 or 2013

Centricity Analytics is not supported with Office 2013 or SQL 2012.

Citrix® XenApp™ server: XenApp 6.5 64-bit

Citrix XenApp client: Online Client 12.1.44

Microsoft® Windows Remote Desktop Services (OS): Windows Server 2012 with RDP 8.0 or Windows 2008 Server R2 with RDP 7.1 or higher

Web browser: Internet Explorer (IE) 9 or 10

JBoss - custom configurations

If any custom changes have been made to the JBoss configuration, you must back up the wrapper.config file found in the following location:
c:\program files\centricity practice solution\jboss\jsw\wrapper.conf

Backup jobs.txt

!!! You must back up your jobs.txt file and the Source folder for your Web site before installing the release.

Before you install the workstation clients, you will need to edit the jobs.txt file to remove all jobs (lines) that push application-specific files from a previous version of the Centricity product. Do not remove custom lines that push third-party files and custom clinical content and forms, including CCC forms.

Jobs.txt runs the first time users log in after the client is updated on the workstation. If you do not remove client-specific lines from jobs.txt older files may be pushed to the new client that render it inoperable.
For more information about editing the jobs.txt file, see the Using jobs.txt chapter in the System Planning and Requirements for Centricity Practice Solution guide available on the GE Services Support site, https://engage.gehealthcare.com/community/en/cps.

**Back up customized clinical content**

Before upgrading or installing Centricity Practice Solution 12.0.7, verify that any clinical content you have customized (note templates, reports, or encounter forms) have been exported and backed up. Factory forms and reports and other clinical content will be overwritten. You can redeploy custom content to workstations after the update.

**Confirm system hardware and software requirements**

Review all hardware and software requirements for your system and confirm that your system meets minimum requirements.


**Configure SQL Server to run the client on the server**

If you are running the client on the database server, you must also select (local) named pipes and TCP/IP protocol for remote connection when setting up SQL Server, otherwise you may see a named pipes error when you launch the application.

**Read the instructions in this release note document**

Even if you have applied previous Centricity Practice Solution releases, you should read and follow the step-by-step instructions in this document to ensure all critical installation steps are addressed.

**Install the release**

Centricity Practice Solution 12.0.7 is being released in different versions. Follow the appropriate instructions for installing the application:

- **Install the full build** - If you are upgrading from a supported older version of CPS.
- **Install the service pack build** - If you are upgrading from CPS 12.x.

**Install the full build**

Detailed instructions for upgrading to Centricity Practice Solution 12.0.7 from supported earlier versions are provided in Upgrading to Centricity Practice Solution in your documentation library.

Download the complete documentation library from engage.gehealthcare.com/community/en/cps/documentation. Unzip to a folder on your system. When you open a document from the Centricity Document Library, you can click links to other guides to open them. Links do not work if you copy a document to a location outside the library folder.
Upgrade instructions for FilesAnywhere downloads

For releases available via FilesAnywhere, the download and installation instructions are slightly different than usual:

1. Download the zip file to your server's desktop.
2. Extract the contents into the root of the staging directory (i.e. C:\CPS_12_Staging) on the server.
3. Copy the file in C:\CPS_12_Staging\SS\ss up one level to C:\CPS_12_Staging\SS and allow the files to be overwritten.
4. Run serversetup.exe and jump to "Install the service pack on a server" within the Upgrade Guide for step by step directions to complete the installation.

Install the service pack build

Back up the Centricity Practice Solution database

As a precaution, always back up the Centricity Practice Solution database before you download and apply a release.

1. From the Windows Start menu, select Programs | Microsoft SQL Server 2008 | SQL Server Management Studio. Click Connect.
   The Object Explorer window opens.
2. Expand SQL Server Agent.
   To expand SQL Server Agent, click the plus sign (+) next to it.
3. Under SQL Server Agent, click Jobs.
   A list of jobs displays in the right pane.
4. Right-click on the backup job for your Centricity Practice Solution database.
   Example: Backup Database - CPS.
5. Select Start Job at Step.
   The Start Job window opens.
6. Click Start.
   You will receive confirmation of success or failure of the backup within this window.
7. Click Close.
8. Exit SQL Server Management Studio.
Install the release

Download the release

1. Close the Centricity Practice Solution client on all computers.
2. On the server where Server Setup application is located, log in to Microsoft® Windows as the Administrator.
3. Launch Server Setup.
4. Select Download Available Updates and then click Next.
   The Web site installation window displays the Centricity Practice Solution Web sites you have installed.
5. Select the Web site you want to update, then click Next.
   The Download Available Updates window displays links to updates available for the selected web site.
6. Click the release notes link to download the notes document (in Adobe PDF format) and review them.
7. Do one of the following:
   - To begin downloading the release, click the service pack link.
   - To return to the previous window, click Back.
   The Downloading Update window displays the product version number, download location, total file size, and download progress.

   The time to download varies depending on available network bandwidth. Slow progress does not mean that the program is not downloading. The installer window will reappear once the download is complete.

8. Do one of the following:
   - When the download is successful, the Downloading Update window displays “Completed” as the status. Go to step 9.
   - If the download was unsuccessful, the Downloading Update window displays “Download Failed. Operation Aborted” as the status. Go to step 12.
9. When the download is successful, click OK and then click Exit, then Finish.
   Server Setup closes and re-opens.
10. Click Exit to close Server Setup.
    Server Setup closes and you can restart it when you are ready to apply the update.
11. Proceed to the next section.
12. If the download was unsuccessful, click OK, and then click Cancel to close the Downloading Update window. Do one of the following:
    - Click Back to return to the previous Server Setup window.
    - Click Exit to stop the download process.

   If multiple attempts to download fail, contact Centricity Practice Services at 888.436.8491 option 1 or your Value Added Reseller (VAR).
Before installing the release on a server

Before applying the release, perform the following steps:

**Stop the MIK service**
If you are running Millbrook Integration Kit (MIK), complete these steps before you install the release on your server(s):

2. Select Advanced Options, then click Next.
3. Select Millbrook Integration Kit Configuration, then click Next.
4. Select the server where MIK is installed.
5. Click Stop.

**Back up MIK configurations**
If you are running Millbrook Integration Kit (MIK), complete these steps before you install on your server(s):

1. Click Start the CPS 12.0.7 choose Run.
2. Type regedit and press Enter.

!!! Do not do this step on your own if you are unfamiliar with regedit. Get help from a qualified network/IT engineer.

3. Export the following keys to the Desktop as backup:
   - HKEY_LOCAL_MACHINE\SOFTWARE\wow6432Node\AHC
   - HKEY_LOCAL_MACHINE\SOFTWARE\wow6432Node\GE
   - HKEY_LOCAL_MACHINE\SOFTWARE\wow6432Node\GE Healthcare


**Backup the service layer web site**

This process requires stopping JBoss, which affects any shared databases.
You will also need to know the SA account for SQL server.

1. Create a folder named Backup on the C:\ drive.
2. Navigate to C:\CPS_12_Staging\SS\ServiceLayer.
3. Locate the files Default.ear and sl-version.xml and copy them to the Backup folder.
4. Backup the following folders in C:\Program Files\Centricity Practice Solution\jboss\server\default\deploy.
Install the release on a server

1. On the server Desktop, double-click the CPS 12 Launch icon.
2. On the launcher Welcome screen, select Install/Update Server, and then click Server Setup.
   Server Setup opens.
3. In Server Setup, select Advanced Setup Options, and then click Next.
4. Select Upgrade, and then click Next.
   The System Configuration Completed window appears.
5. Click Next.
   The Setup Directory Path and Log File Path window opens.
6. Click Next.
   The Server Logon window opens.
7. Enter your SQL Server administrative user name and password if necessary and click Next.
   Make sure the current server version is correct and the version to upgrade is correct.
8. Click Next.
   Please wait for while Setup checks for data integrity.
   Once complete, the window displays, “Data validation completed successfully.”
9. Click Next.
   The End User License Agreement window displays.
10. Accept the license agreement and click Next.
    The License Code window displays.
11. Click Next on the License Code window.
    The Crystal Reports window displays.
12. Click OK.
    If a database message window displays about users not found locally, please read the message and click OK.
13. Click Next on the Security window.
14. Click Next to begin the installation.
    A window displays update progress. If a window displays this message, “You must apply latest ICD/CPT codes package before using the CPS Application.,” click OK.
    When the update is complete, the Return and Exit buttons display along with the message, “Your database upgrade has been completed. Press Return to return to the main menu.”
15 Click Return. The Choose Setup Option to Perform window displays.

16 Uninstall JBoss: Go to Control Panel > Programs > Programs and Features, select Centricity Practice Solutions - JBoss Application Server and then click Uninstall and follow the remaining prompts to complete the JBoss uninstallation.

17 Go to the C:\Program Files directory and delete the Centricity Practice Solution folder (this is the default location of the JBoss installation directory. If any other folder path was selected during installation, navigate to the correct path and delete the folder).

18 Return to the Setup Option window.

19 Select Advanced Setup Options, and then click Next.

20 Click Web Installation, and then click Next.

21 Click Install to install the JBoss application. After JBoss is installed, click Next.

   The Setup Directory Path and Log File Path window opens.

22 Click Next.

23 Select the Database, and enter Application Logon and Application Password.

24 Click Next.

25 Click Next again to begin the installation. When installation is complete, click Exit.

26 Select Advanced Setup Options, and then click Next.

   The Choose Advanced Option to Perform window displays.

27 Select Utilities, and then click Next.

   The Choose Paths window displays.

28 Click Next.

   The Server Logon window displays.

29 Enter your SQL Server Administrative logon name and password, and then click Next.

30 Click Set User Defaults.

31 Click Exit, and then click Yes in response to the confirmation message.

32 Click Exit to close the Centricity Practice Solution 12.0 Install window.

Active Directory Services Account: Initially this account should be a Domain Admin. However, after installing and verifying that users can log into the application and that in you can look up a user login name and group name in Administration > User Management, it is possible to reduce the account permissions to a default Domain User. Following this change make sure to repeat the verification above successfully.
33. Restore the JOBS.TXT file and Web site Source folder to the Web site you backed up before you began.

!!! After installing the CPS 12.0.7 update, be sure to apply the latest ICD and CPT codes package. SPR 60480

**Install MIK**

!!! Only perform this procedure if you have the Millbrook Integration Kit (MIK). DO NOT uninstall MIK.

1. Navigate to the location of the MIK installer (default is C:\CPS_12_Staging\CPS_12_MIK) and double-click setup.exe.
   The following message appears:
   This setup will perform an upgrade of CPS_12_MIK. Do you want to continue?
   2. Click Yes.
   InstallShield will open and step you through the upgrade. Select all the defaults until you see InstallShield Wizard Complete.
   3. Click Finish.
   4. Locate the AHC and GE Registry files you backed up earlier. Double-click the files to import to the Registry.

**Install the release on workstations**

If you licensed the **PM module only**, skip to “Install the release on workstations” on page 19.

If you licensed the **Chart module and are using LinkLogic**, update client workstations in the following order:

1. “Update Data Transfer Station” on page 18.
2. “Update LinkLogic on the server” on page 19.
3. Update all other client workstations. See “Install the release on workstations” on page 19.

!!! DO NOT update any client workstations until you have updated the Data Transfer Station (DTS) and updated LinkLogic.

Before beginning, back up your directories. If you have customized files in the LinkLogic Config\Standard directory, contact Centricity Practice Services at 888.436.8491 option 1 or your Value Added Reseller (VAR), before completing this section.
Update Data Transfer Station

When you apply this release on a workstation, the files in the Client directory are overwritten, including the `emr.ini` file that contains your DTS configuration.

!!! Before you update the client on the DTS, you must back up the `emr.ini` file to preserve the current DTS configuration so you can continue processing data transfers for lab results, transcriptions, and other documents without interruption.

Install the release on a DTS workstation

1. Stop the Data Transfer Station.
2. Navigate to the Centricity Practice Solution/Client directory and copy the `emr.ini` file to your Desktop.
3. Start Centricity Practice Solution on the workstation.
4. The Product Installer page displays.
5. Verify that your URL points to the correctly updated Web page.
6. Click the Update link (in red) for **CPS_12_Client**.
7. The Installer will detect that an older version of the client application exists and ask you to uninstall it.
8. Click **Here** to uninstall.

The removal process uninstalls the application.

When you uninstall the client application, you do not see a progress indicator for the uninstall. This does not mean that the program is not responding or terminated, however. DO NOT attempt to end this process.

9. When the uninstall process is complete, click **Here** to continue to the Client Setup page.
10. Click **Install** to download the installer.

The installer window opens.

The time to download varies depending on available network bandwidth. Slow progress does not mean that the program is not downloading. The installer window will reopen when the download is complete.

11. Select the **Install Data Transfer Station** option, and then click **Next**.
12. Click **Next** on all subsequent screens to accept default settings.
13. When the installation is complete, click **Here** to return to the Product Update page and close the window to exit.
14. When the client update on the DTS workstation is complete, copy the `emr.ini` file from the Desktop back to the client directory, overwriting the newly installed file.
15. Update **LinkLogic** (next section) before restarting the workstation.
Update LinkLogic on the server

If you are using LinkLogic and Data Transfer Station (DTS) to exchange patient demographic and clinical data with external systems such as labs and transcription services, take the following steps on the machine where DTS is running. This will ensure that the update is properly applied to the LinkLogic configuration.

1. Exit Data Transfer Station and confirm that it is not running on the workstation.
2. Navigate to the LinkLogic standard folder (usually C:\Program Files\Centricity Practice Solution 12\Client\llogic\config\standard).
3. Right-click on the standard directory, and then click Copy.
4. Navigate to the remote LinkLogic config directory on your database/Web server (such as \<server_name>\llogic\<database_name>\llogic\config).
5. Right-click in the config directory, and then click Paste.
6. When asked if you want to replace the standard folder, click Yes to All.
7. On the DTS, navigate to the LinkLogic upgrade folder (usually C:\Program Files\Centricity Practice Solution 12\Client\llogic\config\upgrade).
8. Right-click on the upgrade directory, and then click Copy.
9. Navigate to the remote LinkLogic config directory on your database/Web server (such as \<server_name>\llogic\config).
10. Right-click on the config directory, and then click Paste.
11. When asked if you want to replace the upgrade folder, click Yes to All.
12. Restart Data Transfer Station.

Install the release on workstations

When upgrading a client on the database/Web server, you may be required to reboot the machine during the upgrade process.

1. Start Centricity Practice Solution on a workstation.
   The Product Installer page displays.

   If you are installing on a Windows 7 or Windows 8 workstation, you must run the Internet Explorer application as an administrator.

   a. Click Start > All Programs. The Programs menu displays.
   b. Right-click the Internet Explorer shortcut and click Run as Administrator.
   c. Type your user name and password in the User Account Control dialog and click Submit. The Internet Explorer application opens.
      If you are an administrator, click Allow on the User Account Control dialog.
2. Verify that your URL points to the correctly updated Web page.
3. Click the Update link (in red) for CPS_12_Client.
The Installer will detect that an older version of the client application exists and ask you to uninstall it.

4 Click **Here** to uninstall.

The removal process uninstalls the application.

When you uninstall the client application, you do not see a progress indicator for the uninstall. This does not mean that the program is not responding or terminated, however. **DO NOT** attempt to end this process.

5 When the uninstall process is complete, click **Here** to continue to the Client Setup page.

6 Click **Install** to download the installer.

The installer window opens.

The time to download varies depending on available network bandwidth. Slow progress does not mean that the program is not downloading. The installer window will reopen when the download is complete.

7 On the installer Welcome screen, click **Next**, and then click **Next** on all subsequent screens to accept default settings.

8 When the installation is complete, click **Here** to return to the Product Update page and close the window to exit.

9 Restart Centricity Practice Solution on the workstation.

If installing on Citrix, reboot the Citrix server after installation is complete.

**Install latest Knowledgebase**

After upgrading to Centricity Practice Solution v12.0.x, download and install the latest Full Knowledgebase update and any incremental update. The latest ICD and CPT codes should also be downloaded and installed, if you have not already done so.

**Install updated CCC content**

Sign all chart updates before installation.

CPS 12.0.7 includes updated CCC Basic encounter forms. How you update them depends on your existing installation:

- If CCC 9.0 is not installed, see the CCC Basic release notes available on the CPS documentation page: [https://engage.gehealthcare.com/community/en/cps/documentation](https://engage.gehealthcare.com/community/en/cps/documentation).
- If CCC Basic was previously installed, but not CCC 9.0
Install the release

- **If CCC 9.0 was previously installed**, the HTML forms should and can be upgraded without having to install the entire CCC Basic package.

  !!! Do not install the entire CCC Basic or CCC Basic update package over CCC 9.0

---

**If CCC Basic was previously installed**

1. Unzip the CCC Basic Update zip file delivered with the release into the root level of your hard drive (for example C:\) into the staging folder where the server has been installed.

2. Open the directory on your server where the application is installed.

3. Make a backup of the **Usrlibccc-basic.txt** file in the Client folder.

4. Copy the **\CCC Basic\ Step 1 - Copy to the Client Folder** folder and paste into the Client folder.

5. Merge any custom load commands and scripts in the usrlibccc-basic.txt file into the newly copied file.

6. Copy the contents of the **Step 3 - Copy to the HTML Folder** from the package into the **jboss server** folder (usually C:\Program Files\<Centricity Practice Solution>\jboss\server\default\deploy\<Database Name>\ear\CentricityPracticeWS.war\EncounterForms\). When prompted, click **yes** to overwrite existing files.

   Where `<Centricity Practice Solution>` is the name of your application and `<Database Name>` is your database name.

7. Import the clinical kit:
   a. Log in to the application using a User ID with Admin privileges.
   b. On the main menu, click **Administration**.
   c. Select **System > Import Clinical Kits**.
   d. Click **Import Clinical Kit**.
   e. Navigate to the staging folder and locate folder **Step 2 - Import Content**.
   f. Select **IMPORT_ALL_CONTENT.ckt** and click **Open**.
   g. When prompted to overwrite, click **Yes to all**.
   h. Navigate to the staging folder and locate folder **Step 4 - Import HTML Support Content**.
   i. Select **IMPORT_ALL_HTML_SUPPORT_FORMS.ckt** and click **Open**.
   j. When prompted to overwrite, click **Yes to all**.

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**If CCC 9.0 was previously installed**

1. Unzip the CCC Basic zip file delivered with the release into the root level of your hard drive (for example C:\) into the staging folder where the server has been installed.

2. Open the directory on your server where the application is installed.

3. Make a backup of the **usrlibccc-v9.txt** file in the Client folder.
4 Open and edit the file `usrlibccc-v9.txt`. Locate the line with the version and add the following after the version line:

```java
//Loading the Immunization library for history view and letter
load(ccc_net_path() + "\Immunization" + "\fndef-Immunization.txt")
```

5 Save and close the `usrlibccc-v9.txt` file.

6 Copy the `\CCC Basic\ Step 1 - Copy to the Client Folder\Immunization` folder and paste into the Client folder.

7 Copy the contents of the `Step 3 - Copy to the HTML Folder` from the package into the `jboss server` folder (usually `C:\Program Files\<Centricity Practice Solution>\server\default\deploy\<Database Name>.ear\CentricityPracticeWS.war\EncounterForms\`). When prompted, click `yes` to overwrite existing files.

Where `<Centricity Practice Solution>` is the name of your application and `<Database Name>` is your database name.

8 Import the clinical kits:
   a Log in to the application using a User ID with Admin privileges.
   b On the main menu, click `Administration`.
   c Select `System > Import Clinical Kits`.
   d Click `Import Clinical Kit`.
   e Navigate to the staging folder and locate folder `Step 2 - Import Content\History View\Immunizations History View`.
   f Select `ImmunizationHistoryView.ckt` and click `Open`.
   g When prompted to overwrite, click `Yes to all`.
   h Navigate to the staging folder and locate folder `Step 4 - Import HTML Support Content\Letters\Immunization Letter`.
   i Select `Immunizations Letter.ckt` and click `Open`.
   j When prompted to overwrite, click `Yes to all`.

### CPS 12.0.7 version information

Login to the client application and select `Help > About` to verify the build number.

- Client: 12.0.7.1559
- Server: 12.0.7.1559
- Service Layer: Build 1711
- BMAC: Build 1659
Access updates and services

To download additional services, Knowledgebase updates, or factory observation terms, go to the Centricity Practice Solution Web site at https://engage.gehealthcare.com/community/en/cps. On the Web site, you’ll also find release publications, Support contact information, and links to training. To contact Support by phone, contact Centricity Services at 888.436.8491 option 1, or your Value Added Reseller (VAR) Send email to centricitypmservices@ge.com.

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