


Before you upgrade

Check your computer specifications to get the most out of this release. For workstations and peer-to-peer servers, we recommend a computer less than 5 years old with 4 GB of memory running the Windows* 7 Professional (or later) operating system. For more information, including details on dedicated servers and thin-client workstations, please see the [Hardware and Operating System Guidelines](#).

What's new

To view in-depth information about new features in this release, click the **Help**  button on the toolbar after you upgrade. If any windows are open in the Cornerstone software, click **Getting Started** on the **Contents** tab to open the "Welcome to Cornerstone Software" topic.

Additional enhancements and updates begin on page 2 of these release notes.

IDEXX SmartOrder* inventory solution

- A second online vendor—Patterson Veterinary* eShelf*—is now available. After you set up the connection in the Cornerstone software, you can place orders electronically. See the "Electronic Inventory Ordering" section of the Help for more information.
- The Unmatched Order window is now named the Orphan Order window.

Digital imaging

- Everything related to diagnostic imaging (x-ray or DICOM* images, for example) is now managed in the IDEXX-PACS* Imaging Software (the IDEXX picture archiving and communication system). All other images (scanned-in documents or pet pictures, for example) are managed in the Cornerstone software.
 - In earlier versions of the Cornerstone software (through Cornerstone* 8.3 NEXT), the IDEXX-PACS software was part of the Cornerstone application.
 - After your practice upgrades Cornerstone to version 8.4 NEXT and IDEXX-PACS to version 4.1, all future upgrades will be separate, meaning that when there is a new release of the Cornerstone software you will upgrade only Cornerstone, and when there is a new release of the IDEXX-PACS software, you will upgrade only IDEXX-PACS. This allows you to benefit from new features in the IDEXX-PACS software without waiting for a Cornerstone release, and vice versa.
- You can save an image as a .png file.

IDEXX Reference Laboratories ordering

Enhancements have been made for IDEXX Reference Laboratories test requests. New functionality includes:

- Advanced search of the IDEXX Directory of Services
- Automatic update of the IDEXX Directory of Services
- Availability in the United States, Canada, and Australia
- Updated specimen detail entry
- Updated employee identification for IDEXX discounts
- Improvements to results importing for accurate patient record matching

General

- **Appointment Scheduler**—Select the **Prefix required** check box in the Appointment Scheduler default settings window to require that a prefix be entered to save the appointment.
- **Signature capture**—You can quickly set up a touch-screen computer or device as a signature-capture device (Tools > Signature Capture Device).
- **Invoice item special actions**—Click the new **Delete** button on the **Special Actions** tab in the Invoice Item Information window to easily delete a special action.
- **Referrals**—When you add or update phone information for referral doctors and hospitals, you can right-click to create a new number, update a number, or delete a number.
- **Medical notes**—In the Documents default settings window, select or clear the **Print document information when printing medical notes** check box to control whether the **Print document information** check box is selected by default when you print. You can change this setting when you print a document.

Additional updates and enhancements

Inventory

- When you create or edit a purchase order, you can update the description for an invoice item ID with a setting of Miscellaneous. The updated description does not change the invoice item ID, but will be visible when you view or receive that order.
- You can scan or type barcodes on purchase orders and receipts.
- In the **Purchase Order List** window:
 - Orders from the first date in the date range are listed.
 - If you view an order and close it without saving, the date is not changed.
 - You can sort by vendor name.
- In the **Purchase Order** window:
 - You can now use the TAB key to move from field to field in the grid; you no longer have to click in each field.
 - You can save a purchase order as a .txt file when you export it.
- The **Receive Order** window accessed from Receipt List has been updated to match the Receive Purchase Order window accessed from the Purchase Order List.
- In the **Receive Order** window, rounded-up invoice item prices are now rounded correctly.
- In the **Receive Purchase Order** window, the following changes were made:
 - When you receive an order and create a new receipt number, you can edit the **Shipping** and **Tax** fields.
 - You can choose an open purchase order when editing or viewing a saved but not posted receipt.
 - When you are receiving a second order for a vendor, the page refreshes.
 - Australia only: When you receive the order, the goods and services tax is correctly calculated and added. You can edit the tax amount if necessary. The Tax, Total Tax, and Total fields display the correct amount when the quantity received exceeds the original quantity on the order.
 - Australia only: When you receive an order for which you changed the unit of measure when placing the order, the new unit of measure is on the receipt.
- In the **Receipt Item Details** window, you can no longer inadvertently post an order without completing the information; previously, the order would post if you pressed the SPACEBAR while in the **Lot Number** field.
- In the **Inventory Add** window, if your Cornerstone software is set to automatically increment invoice item IDs, when you add a new item, the next available ID appears in the invoice item field.
- In the **Add a New Vendor** window, if you select the **Inactive** check box, the vendor is added correctly as an inactive vendor.
- In the **Internal Stock Use** window, you can press the TAB key to advance to the **Qty** field.
- When you open the **Sales History** window from the Purchasing Work List window, each month is displayed only once instead of twice.

- In the **Print Receipt** window, items with special prices are displayed with an asterisk (*) in the Special column.
- **Multi-Location/Single Database** only:
 - If you have multiple locations and location groups, and the **Delete want items on completed** check box is selected in your inventory default settings, ordering a want list item for a specific location group no longer deletes it from other location groups.
 - You can successfully enroll a secondary practice; the appropriate fields are shown in the Practice Information window.
 - If you have a location group linked to a practice, when you print a purchase order, the practice name and address for the practice linked to the location group are printed at the top of the order. You can print the purchase order from the Purchase Order List window or the Edit Purchase Order window.
 - If you change which practice is the primary practice, the original practice information is retained.
 - In the View Quantity on Hand window, the total cost is displayed correctly when an item is received for the second time to the default location.
 - When you confirm a transfer in the Stock Transfer List window, the window no longer freezes.

IDEXX SmartOrder* inventory solution

- The following changes were made to orphan (unmatched) orders:
 - In the Purchase Order List window, the Unmatched Orders area is now named the Orphan Orders area, and orders are listed individually. The Unmatched Orders window is named Orphan Purchase Orders.
 - In the Orphan Purchase Order window, you no longer receive an error when you delete a duplicate purchase order.
 - You can reconcile duplicate items on an orphan/unmatched order so the order can be reconciled.
 - When you create a purchase order from the Orphan Purchase Order window, the status of the order is **Created from orphan**.
 - Negative transactions from online vendors are not displayed in the Orphan (Unmatched) Purchase Order window.
 - Multi-Location/Single Database only: Orphan/unmatched orders are visible to all practices, regardless of online vendor account.
 - The default sort date order is descending (most recent first).
 - An invoice item prelinked with an invalid vendor item ID can be linked with another vendor item ID from the suggested list. You no longer have to manually remove the old vendor item ID from the invoice item before adding the new one.
- The Cornerstone software removes spaces from vendor item IDs for online vendors.
- In the Purchase Order List window, you no longer receive a message for each unlinked item. The unlinked items are still highlighted in yellow.
- When you place an online order, the Cornerstone purchase order number appears on the vendor's invoice; the purchase order number has a prefix of C.
- Links for viewing tracking/shipping information are on the right side of the View Purchase Order window.
- You can no longer edit items on a purchase order with a status of Sent-Online.
- In the Purchase Order List window, when you receive items and post a receipt, the items show the correct date in the Last Purchase Date column on the Inventory Cost Report.
- When you add an item to a purchase order, you can view the item's information on the Item history, Item information, and Stock location (when applicable) tabs.
- MWI* Veterinary Supply only:
 - You are notified when a Cornerstone invoice item ID has been marked as non-purchasable by MWI. You can then link the Cornerstone invoice item ID to a different vendor item ID so that you can place the order successfully.

- Non-purchasable items no longer appear in the list of suggested items when matching invoice item IDs to vendor IDs.
- You can change your customer number without disabling and enabling the service.
- When you add MWI items to an order from the Purchasing Work List window, price breaks are correctly applied.
- If you place an order and receive a message saying the order cannot be placed online, and then send the order offline, the offline order does not appear on the MWI website.

Referrals

- The referring doctor information on the Patient Information tab in the Patient Clipboard* no longer shows the referring doctor's phone number.
- In the Patient Clipboard, on the RDVMs tab, the following changes were made:
 - Duplicate and extra phone numbers are no longer displayed on the tab.
 - The correct referral doctor is listed as the primary.
 - An incorrect doctor is no longer entered for hospitals that don't have associated doctors.
- On the Referral tab in the Patient window, only the doctors associated with the selected hospital are listed under RDVM.
- You can now successfully delete a newly created patient record that includes a referral doctor.

Reports

- When you are creating the Staff Commission Detail Report, when you press F2 in the Item Classification Desc and Item ID fields, the list of items to choose from appears.
- When you check out a patient from an invoice or the Census List window, the secondary reason for visit is saved to census history and appears on the Patient Census Report.
- Improved performance of custom client and patient reports.
- On the Patient Census Report, you can include a range for checked-in practices.
- The Inventory Cost Report generated during end-of-year processing shows the correct average cost and total cost.
- In the following reports, the revenue amount is no longer doubled; previously, a single check-in was being counted as two visits.
 - Referral Revenue by Revenue Center – Hospital by Doctor
 - Referral Summary by Revenue Center – Hospital by Doctor
- Multi-Location/Single Database only: The Appointments Report is created regardless of which practice is set as the primary practice.

Laboratory

- The SDMA kidney test (3638) is now included on all routine IDEXX Reference Laboratories profiles.
- IDEXX Reference Laboratories supports new specimen collection comments and additional fecal antigen testing (coming soon).
- The client's primary phone number is included on laboratory result printouts.
- In the Detailed Lab Result Set window, the default browser is used to display the VetConnect PLUS Lab Results tab.
- If the Lab Report PDF containing preliminary results is in use when the final results come in, the PDF is overwritten with the new results.
- The HESKA Element POC* Blood Gas & Electrolyte Analyzer and the HESKA Element HT5 Hematology Analyzer are supported in the Cornerstone software.
- IDEXX VetLab* Station:
 - A new SNAP* test for leptospirosis is available. It appears as SNAP Lepto on the IDEXX VetLab* Station. You can run it with the SNAP Pro* Mobile Device or as a manual SNAP test.

- The following species, available in the IDEXX VetLab Station, have been added to the Cornerstone software: alpaca, camel, dolphin, gerbil, goat, guinea pig, hamster, and mini pig.
- When viewing results for a fructosamine (FRU) test, the comments are displayed correctly.
- You can create a callback from the Detailed Lab Result Set window.
- Test codes 3104, 2245, and 3198 individual results are displayed in their own templates instead of under other templates.
- IDEXX Reference Laboratories (U.S.):
 - Reference laboratory results are now matched to the top level of the profile, preventing Not Requested results and unresolved Pending Requests when subprofiles change.
 - The following new allergy tests are available:
 - 3478 Canine
 - 34781, MOLD/MITES, Immunology
 - 34782, GRASSES, Immunology
 - 34783, WEEDS, Immunology
 - 34784, TREES, Immunology
 - 3479 Equine
 - 34791, GRASSES, Immunology
 - 34792, WEEDS, Immunology
 - 34793, TREES, Immunology
 - 34794, MITES, Immunology
 - 34795, INSECTS, Immunology
 - 34796, MOLDS, Immunology
 - Test 3131 replaces test 313 for the following profiles:
 - 3053, Marine Mammal Profile with Iron and Reticulocytes
 - 30539999, Custom Profile 103 with Iron and Reticulocytes – Standard CBC
 - 51, HealthChek* Profile with LDH and PT
 - 519999, HealthChek with LDH and PT- Standard CBC
 - 320, Custom Comprehensive CBC 2
 - 32099999, Custom Standard CBC 2
 - Imported patient names that include double quotation marks are processed correctly.
- IDEXX Canada Reference Laboratories:
 - Chemistry and uric acid (UA) codes have been merged for Canada East and West. The merged codes are properly imported for IDEXX Canada West users.
 - Hematology test names have been updated.
- IDEXX Australia Reference Laboratories: The Directory of Services was updated.

Digital imaging

Telemedicine and DICOM features

- Cases containing large image studies (over 150 images) or multiple image studies can now be sent successfully to the telemedicine provider.
- A defect was corrected that caused DICOM files to always identify the sex of the associated patient as “altered.” Now the patient sex in the DICOM file matches the value specified in the imaging software.
- Temporary telemedicine and DICOM files are now deleted after 24 hours to free disk space.

Practice management system integration

- A defect was corrected that sometimes prevented images from the IDEXX-CR* 1417 Digital Imaging System from being saved in the Cornerstone database.
- For systems using modality work list integration, changes to the MPPS port number are now correctly applied. Previously, the default port number was always used.
- The Imaging Requests and Results window opens properly.
- Upgrading your server no longer causes an error when you open the Image Requests and Results window.

Imaging

- IDEXX ImageBank* storage system offers secure, affordable, cloud-based storage for your digital images. View images wherever you have Internet access—at work, at home, or in the field. Restore images easily in the event of natural disaster or system failure. To learn more, contact your IDEXX representative.
- You can now scroll through imported bitmap images before saving them to the patient record. Previously, attempting to scroll through the unsaved images generated an error message.
- IDEXX I-Vision Mobile* application: The flip and rotate gestures now work correctly on an iPad mobile device with the iOS* 7 and iOS* 8 operating systems. Images can be successfully emailed from the mobile application.
- Images in the DICOM drop folder that have an invalid or missing date of birth can be imported successfully into Cornerstone software.
- Images are now identified by a globally unique instance ID. The unique ID eliminates the possibility that an image sent to another system could be interpreted as a duplicate of an image on that system.

General

- In the Practice Information window, you can add or update multiple logins without saving each one. In addition, for online vendors, the Test button is now named Validate Account.
- The following changes were made to the Electronic Whiteboard windows:
 - If you create a non-billable patient order and complete it, you can undo the completed action.
 - If you are using a second monitor and filter by a specific area, the filter is retained when the window automatically refreshes.
- The following changes were made to the Client Information window:
 - On the Prompts/Notes tab, adding a note to the client information area and pressing the TAB key no longer generates an error.
 - When you are logged in as an administrator and you add a new client, you no longer receive an error when you add a client discount on the A/R tab.
- The drug, veterinary, and medical lists in the spelling checker have been updated.
- When you refill a prescription on an invoice, the correct quantity is saved and verified.
- When you track quantity on hand for a prescription item and you add it to an invoice or the Patient Visit List, you are warned when you enter a quantity that doesn't match. You must manually correct the amount to verify and post the invoice.
- An error message stating *This record has already been created by another user* that sometimes occurred when transferring items from the Patient Visit List to an invoice and saving the invoice no longer occurs.
- A staff ID is required to save an addendum to finalized correspondence and medical notes for all work flows.
- For practices using the Windows Internet Explorer* 11 web browser, a problem where certain windows could close unexpectedly no longer occurs.
- When saving a medical note, a message that a folder could not be created no longer occurs.
- The Web Links menu includes links for Pet Health Network* and Pet Health Network* 3D.
- When you change the date format for a server or workstation in Windows, the format is retained across all windows in the software.
- Deleting blank lines in a correspondence document no longer causes the Cornerstone software to crash.
- Cubex*: When a problem with Cubex prevents Census List records from being transmitted, they are correctly transmitted when the problem is resolved.
- Mobile computing:
 - When you add a problem to a medical note, syncing occurs correctly. It no longer creates either an exception report or a duplicate ID that you can't delete.
 - In the Imaging default settings (at a workstation or on the server), if you change the maximum number of image files to a value less than the number of files in the Cstone\Images folder, the Cornerstone software no longer creates a new images folder.

- If an image is missing when you synchronize or create a mobile computer, you can click **Skip** and continue.
- When you enter a client email address on a mobile computer, it is retained when the computer is synchronized.
- When using the change given field on an invoice:
 - Synchronizing is successful when a client has a non-zero balance.
 - The client balance is correct when a client has a zero balance.
 - For credit card transactions that are posted by capturing the signature, the signature icon displays correctly on the Account information tab in the Patient Clipboard. For signed estimates, the signature icon is displayed on the Estimates tab after undoing the mobile computer.
- If you take a payment on a closed invoice on a mobile computer, the payment transfers to the live database when you synchronize.
- Reports search works correctly on mobile computers.
- When you enter a prescription label for an item with link items both on a mobile computer and on the server, you no longer receive a *Record has already been created by another user* error message and the synchronization is successful.



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