What's New in Montage, Version 3.1

MONTAGE™, Version 3.1, is the latest version of Montage Healthcare Solution's leading radiology data-mining and analytics solution, leveraging proprietary natural language processing to extract and visualize radiology report data.

MONTAGE 3.1 offers the following new features and updates:

Nuance® **PowerScribe**® **360**

New Features

Montage 3.1 includes several new features and a number of requested improvements, including:

- Communication of overdue and upcoming Follow-up Recommendations via Nuance Critical Results.
- Autoclosure of open Follow-up Recommendations when the Follow-up report is performed.
- Montage QC features NLP-improvements, new Critical algorithms, additional filtering from QC Worklists, and review workflow improvements.
- Scheduling Analytics introduces Provider Role as a Concept and Filter in Montage Analytics.

Montage QC

In this release, Montage QC includes new and improved algorithms, Follow-up Autoclosure, Follow-up Communication, and improved filtering and workflow as part of the review process.
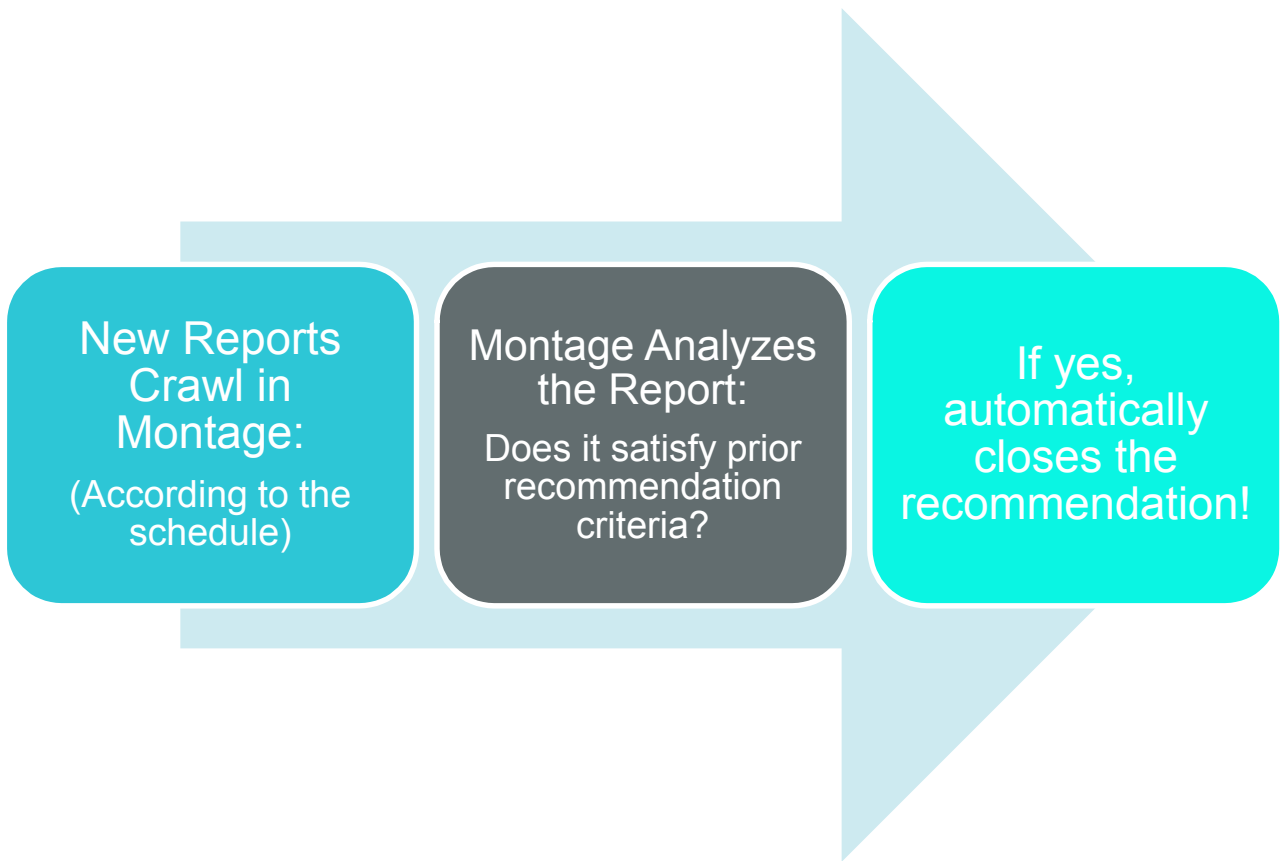
New Algorithms

- New *Critical Results Algorithms* for 3.1:
  - Abdominopelvic Abscess
  - Acute Cholecystitis
  - Dissection
- New *Critical Results Algorithms* since 3.0.0:
  - Active Hemorrhage
  - Active Tuberculosis
  - Acute Arterial Occlusion/Stenosis
  - Acute Diverticulitis
  - Acute Intra-abdominal Hemorrhage
  - Brain Herniation
  - Nonaccidental Trauma
  - Pneumomediastinum
  - Pseudoaneurysm
  - Pyonephrosis
  - Testicular/Ovarian Torsion
- New **Laterality *QC Algorithm*** that is highly specific and optimized to reduce False Positives. The previously available **Laterality Mismatch** and **Laterality Missing** are still available, but in new installs they will be set to inactive by default. Site administrators can easily enable the laterality algorithm that best works given the prevailing dictation patterns at their site.
- Improved NLP accuracy for existing algorithms based upon customer feedback.
- The QC Review process features several improvements to allow for easier filtering and reviewing. All the filters available in Montage Analytics are now exposed in the QC pages.

Follow-up Autoclosure

Follow-up Autoclosure removes the manual process of closing open follow-up recommendations. As new reports for a patient are crawled into Montage, Montage automatically analyzes the report to see if it satisfies the prior recommendation criteria, and if so, the recommendation is automatically closed.

Note: *The data is "crawled" from the PowerScribe 360 | Reporting database.*

The illustration below shows the follow-up Autoclosure workflow:

New Reports Crawl in Montage:

(According to the schedule)

Montage Analyzes the Report:

Does it satisfy prior recommendation criteria?

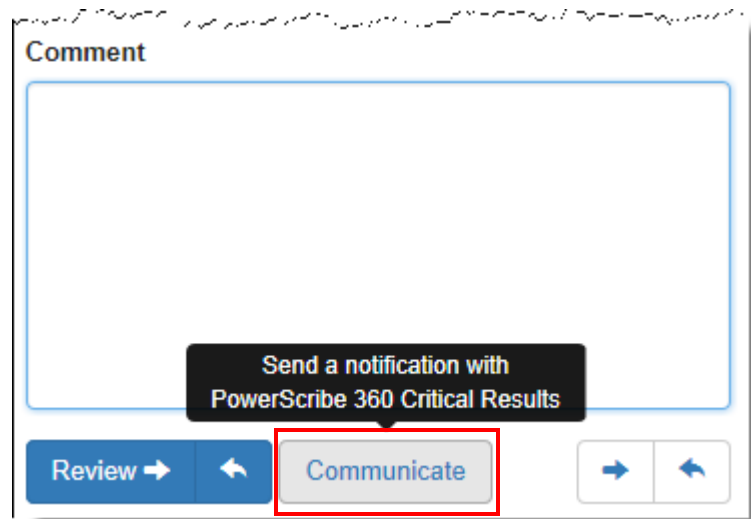If yes, automatically closes the recommendation!

Follow-up Communication

Follow-up Communication allows authorized users to communicate any upcoming or overdue follow-up recommendations via Nuance's Critical Results platform. On the QC Review page, users who have been configured will see a new **Communicate** button that will open a dialog to send a notification about the open recommendation.

The integration currently requires an existing contract for Nuance Critical Results and that data is crawled from PowerScribe 360.

To send a follow-up communication for an overdue follow-up:

1. Log in to Montage and click the **Montage QC** link located beneath the **Search** field.
2. Click the **Follow-up** link (or click the number in the **Overdue Follow-up Recommendations** box).
3. In the **Status** column click the **Overdue** link.
4. Locate the report for which you want to send the follow-up notification and click the **Reviewed** (or **Review**) button on the right side of the row. The report opens.
5. Scroll down (if necessary) and click the **Communicate** button located below the **Comment** box.

The **Communicate** dialog box opens.

A default message appears in the Message area. You can use the default message, or remove all or part of the default message and enter your own text in this area.

6. If necessary, click the **Change Recipient** link to select a different recipient for the message.
7. When finished, click **Send**.

Montage Analytics

Scheduling Analytics

Montage introduces the ability to track and analyze Radiologists' role at time of reporting. The Provider Role now exists as a Concept and Filter in Montage Analytics allowing analysis of staffing level issues and staffing optimization.

For the 3.1, Montage can obtain the Provider's Role from QGenda API. If your site uses an alternative provider scheduling system, that has an API, please contact Montage Support to discuss adding an integration in a future release.

Montage Admin

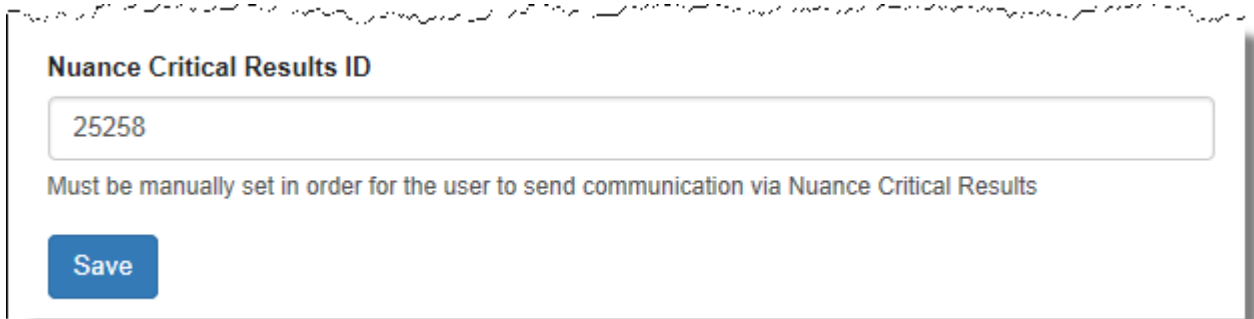The Montage Admin has several improvements as part of the 3.1 release:

- You can now easily see which Providers a User is linked to for "My Dashboard" on the User edit pages. The link for the providers gives the radiologist/reporting provider the ability to view their own dashboard with their report statistics.

  1. Log in to Montage and click the **Admin** link in the upper-right portion of the window.
  2. In the **Users** section, click the **Edit** link to display a list of users.
  3. Locate the user you want to manage and click their **Username** link. The illustration below shows an example of the **Linked Providers** section.

- The Nuance Critical Result ID can be added to a user's account, to allow that user to send Follow-up Communication.

    Note: *In order to **send** a message you must have a Critical Results ID, and in order to **receive** a message, the recipient must have a Critical Results ID. The Critical Results IDs for ordering clinicians populate from the PowerScribe 360 | Reporting database crawl.*

    1. Log in to Montage and click the **Admin** link in the upper-right portion of the window.
    2. In the **Users** section, click the **Edit** link to display a list of users.
    3. Locate the user you want to manage and click their **Username** link.
    4. Click the **Edit User** button and scroll to the bottom of the window.
    5. Enter the user's **Nuance Critical Results ID** and click **Save**. The illustration below shows an example of this setting.

Nuance Critical Results ID

25258

Must be manually set in order for the user to send communication via Nuance Critical Results

[Save]

- NPI can now be added to Providers (used by QGenda integration currently)

Additional Changes

- The default report export limit has been increased from 10,000 to 25,000.
- Radimetrics dose information, if available, is now included in the report export.
- The latest CMS RVU values for 2016 are included.
- The ClearCanvas crawler features better support for addendums and additional provider name information.
- The PowerScribe 360 crawler now pulls in the Report's Created date for turnaround time computations.
- Resolve issues around unicode queries and illegal offsets in the Sequential Search.

Internet Explorer Support

Beginning January 12, 2016, only the most current version of Internet Explorer available for a supported operating system will receive technical supports and security updates. Internet Explorer 11 is the last version of Internet Explorer, and will continue to receive security updates, compatibility fixes, and technical support on Windows 7, Windows 8.1, and Windows 10.

As of January 12, 2016, Microsoft no longer provides security updates or technical support for older versions of Internet Explorer.