

Codonics® Safe Label System® Administration Tool Software

Release Notes

Version 3.2.0 Safe Label System Administration Tool Release Notes

Summary

Version 3.2.0 is a software release for the Codonics Safe Label System® (SLS) Administration Tool (AT). The software is compatible with SLS Point of Care Stations (PCS) installed with 3.2.0 software. As of this release, this version of software is considered the most current, stable, safe and effective version for SLS PCS.

This document provides information about New Features (i.e., Adaptive Updates), Product Improvements (i.e., Perfective Updates) and Product Corrections (i.e., Corrective Updates) in 3.2.0 SLS AT software.

NOTE: The AT Server application provides all the same capabilities as the previous AT Stand-alone application. As of 2.5.0, the AT Stand-alone application is no longer supported.

WARNING: If you're using WIN 10 as your computer's operating system to run the AT, pay careful attention to uninstalling previous versions (prior to 2.5.0) of the AT. WIN 10 can inadvertently uninstall the current version (i.e., 2.5.0) of the AT. Contact Codonics Tech Support with questions about the correct process.

The SLS AT User's Manual version 1.3.0 and User's Manual Addendum 1.8.0 provides further information about the AT.

Recommended - Requirements for AT Server:

Processor: Core i7-11700K / Xeon E-2336

RAM: 8 GB for application.

Application Disk Space: 30 GB total at install.

Minimum - Requirements for AT Server:

Processor: Core i7-4790K / Xeon E3-1286 v3

RAM: 6GB for application.

Application Disk Space: 10 GB total at install.

Additional Information for AT Server:

Computer OS: Windows 10, Windows Server 2016, 2019 or 2022. 64-bit required.

Concurrent access: Not supported.

Notes:

- ◆ For best performance hosting the SLS AT data directory, use a locally attached SSD or high speed RAID.
- ◆ When running the SLS AT on a Virtual Machine (VM), allocate at least two CPU cores to the VM.
- ◆ When running more than one instance of the SLS AT on the same hosting system, increase the system RAM by at least 3 GB for each additional instance.
- ◆ Both configurations shown are sufficient for running the SLS Email Notifier (EN) on the same system hosting the SLS AT.

Recommended requirements for AT Client:

Browser support: Edge, Chrome.

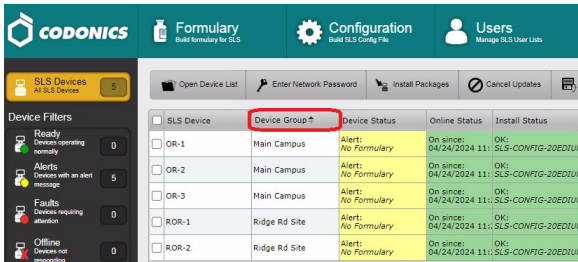
Screen Resolution: Minimum 1440 x 900; use default browser fonts.

Computer OS: Windows 10.

Applications: Excel 2007 or newer to open reports.

New Features

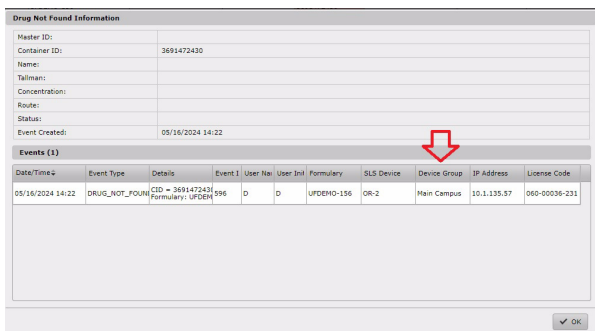
- ◆ **Device Group name field was added to the MDL which allows sorting by Device Group in the AT Device Manager.** This provides the ability to group SLS PCs together by sites allowing users to view the units installed at their site. Backwards compatibility with old MDLs that do not include Device Group is supported. The updated format for the MDL is IP Address, Hostname, Group name (e.g., 10.1.135.16, OR1, Main Campus). If Group name is not specified for any devices, the Device Group name column is hidden in the MDL by default. The Device Group column can be toggled to be displayed or hidden by right clicking on any of the existing columns.



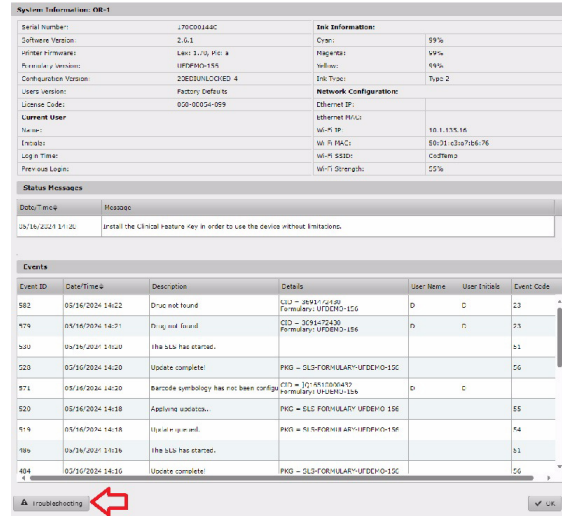
WARNING: When deploying Formulary and Configuration packages, make sure that you are selecting and sending the intended package(s) to the intended SLS PCs.

NOTE: If an SLS PCS is moved from one location to another at your site (e.g., swapping for a SLS PCS not working), remember to update the Group name for the unit if required.

- ◆ **Device Group name field was added to the MDL which now provides the group name to DNF and Verifications filtered events.** In order to see the specific device group name, select the event's information i button.



- ◆ **New connectivity troubleshooting test tools are now included in the AT.** An ICMP ping test and a TCP socket test can be done via a new Troubleshooting button included in the AT-DM device information user interface. A portable version of PuTTY is also now included in the AT. Contact Codonics Technical Support for assistance with using these tools.



Product Improvements

- ◆ **Formulary Reports now download as .xlsx format with support for 1 million rows of data.** Previously, the Formulary Report downloaded as .xls with support for 65,000 rows of data.
- ◆ **AT software components were updated with security and bug fixes.** A technology refresh was completed that updated the applications' software versions. Refer to Codonics IT Resource Guide 900-653-015 for details.
- ◆ **New barcode parsing rules were added as defaults to the AT.**
 - ◆ Support for Interleaved 2 of 5
 - ◆ Code 128 - Albumin Human vial
 - ◆ Parsing NDC from a GTIN data matrix barcode
- ◆ **The AT supports new drug names.** The drug names are bacteriostatic sterile water, ceftaroline, and indigotindisulfonate.
- ◆ **The AT supports new numbers.** 0.89 and 2400.

Product Corrections

- ◆ When adding a custom label in IV, the default expiration time will be 48 hours. Previously, it was 0 hours.
- ◆ Previously, there was a unique case where a user could edit drugs in the formulary without it showing in the formulary report. This was corrected.
- ◆ Previously, extra empty lines in CSV files caused a pre-import dialog to show a blank drug. This was corrected.
- ◆ When sorting on **Template** on the **SLS Formulary** page, scrolling works properly. Previously when sorting on **Template** on the **SLS Formulary** page, scrolling to the bottom of the list resulted in no items shown. Additionally, drugs set to the **None** template in the formulary did not appear in the correct alphabetical sort order.
- ◆ Previously, migration from 2.4.0 failed if a user's **Initials** were longer than 3 characters. Now, migration succeeds and the **Users** tab shows a warning if there are users with initials longer than 3 characters.
- ◆ Previously when **Ignoring** a **DNF** event, an **Error saving master drug** warning would appear. This issue was corrected.
- ◆ Previously users could generate an **Error Contacting Server** when trying to copy an **MDD** entry. This would occur if a user added a drug entry from the **MDD**, originally created by scanning the vial, to the **Formulary** with **Copy Formulary Settings** checked and then clicked **Create and Verify**. This was corrected.

Known Common Issues

This section details common issues with 3.2.0 AT software that are likely to be experienced by most users. These issues are specific to the current release; previous issues can be found in previous Release Notes. None of the issues included in the document are considered to render the product unsafe or ineffective for clinical use.

- ◆ **WARNING: The formulary report does not sort duplicates. Duplicate Container IDs in the formulary are reported but are displayed in a way that may not put the duplicates together. You can sort the Excel spreadsheet on Container ID.**

- ◆ **WARNING: Replacing drug names with non-Latin characters (e.g., Kanji, Hebrew) causes duplicate drug entries in the MDD. When the MDD screen is sorted by drug name, changing a drug name to start with a non-Latin character causes the drug to display twice. When the issue occurs, editing either of the duplicate drug entries on the MDD properly changes the other entry. Re-sorting the MDD list or refreshing the MDD by switching to another page in the AT and then back causes the drug name to only display once, sorted after the names that start with Latin characters. If the drug is already in the SLS PCS formulary, then the drug name will display with the changed characters in the formulary and will be listed only once.**
- ◆ **WARNING: The pre-import report does not identify duplicate drug IDs when importing via a CSV. You are required to run a formulary report before generating an approved formulary and should review the Duplicate reports in the Safety worksheet to make sure all duplicates or potential duplicates in the MDD and formulary are identified.**
- ◆ **LDAPS does not work with a load balancer and/or Virtual IP (VIP) configuration. You will not be able to use LDAPS with the AT in conjunction with a load balancer using a wildcard SSL certificate. You should use a single-domain SSL certificate for LDAPS instead of using a wildcard certificate.**
- ◆ **When copying a drug entry with a custom drug classification template (DCT) from one formulary to another, the second formulary drug entry template is set to **None** even though it uses the same template. Make sure to set the drug entry in the second formulary to the required drug classification.**

Known Uncommon Issues

This section details uncommon issues with 3.2.0 AT software that are unlikely to be experienced by most users. These issues are specific to the current release; previous issues can be found in previous Release Notes. None of the issues included in the document are considered to render the product unsafe or ineffective for clinical use.

- ◆ **WARNING: A concentration length of greater than 15 characters is converted to an incorrect value in the MDD when imported. For example, a number such as 12345678901234567890 is converted to 92,233,720,368,547.77.**
- ◆ **WARNING: SLS can be muted with a Minimum Volume higher than 0%. You can still mute the SLS if you manually enter a number of between 1 and 9 in the field. Only use the arrow buttons to set the Minimum Value.**

- ◆ **WARNING:** If a drug record is modified in the MDD after it has been added to the formulary, the AT does not automatically update the audio file association. If the drug name is changed in the MDD, the associated audio file will not change, resulting in a possible incorrect association. As a work around, you can either remove and then add the drug to the formulary to trigger a new audio file association, or manually select the correct audio file from the formulary edit dialog box.
- ◆ **WARNING:** Combination drugs with long drug names do not display the second drug name. Combination drugs with very long drug names only display the first drug name as truncated. There is no indication as to what the second drug name is. Users should look to modify the entry of the drug name (e.g. Calcium can be entered as Ca). Another option is to enter the drug name in the Tallman field of the AT which will reduce the font size.
- ◆ **WARNING:** Dilution units that are different from the parenteral container do not always provide a warning. When the initial parenteral unit (e.g., mg) is the same as the first unit in the dilution (e.g., mg/mL) a warning is not provided. However, when the parenteral drug unit is different than the initial dilution units (e.g., parenteral container is g -> diluted container is mg/mL), the AT does provide a warning that they are different units.
- ◆ Zooming potentially causes a minor row offset in the AT. This issue occurs only at 110% zoom in Chrome, and Edge (Chromium based). It does not occur in IE 11, Firefox, or older Edge. The AT actions column rows become slightly offset from the rest of the grid in all grids of the AT.
- ◆ Adding invalid feature keys displays an Error Contact Server (ECS). When adding a feature key that has any of the following properties (e.g., Empty field, single or double or special characters, all numbers or mix of numbers and characters) results in the AT displaying an ECS instead of **Invalid Feature Key Error** message.
- ◆ SLS can lock-up when updating with a software app package (e.g., SLS-APP-2_6_0-001.pkg). When installing a multi-package on the SLS that contains a software APP package, the SLS can become stuck on the dialog indicating that the SLS was shutting down. If this occurs, power off and restart the SLS PCS, and reinstall the multi-package.
- ◆ For 2.1.1 through and including 2.2.0 software releases, hidden (i.e, nonbroadcasted) SSIDs for enterprise WiFi require different configuration settings. The set up for the **conf** and **conf.debug** file within the certificates folder of each Wifi MAC Folder require an updated entry. Here are the additional network configuration settings required for the files:
 - wifi.conf
 - wpa-ssid [HiddenSsid]
 - wpa-ap-scan 1
 - wpa-scan-ssid 1
 - wifi.conf.debug
 - ap_scan=1
 - network={
 - scan_ssid=1

Refer to AT User's Manual, Codonics Part Number 905-063-030 section 6, for all other network configuration file settings.
- ◆ Changing barcode parsing rule presets from **US_NDC** to **Custom** does not warn you that custom rules will be removed.
- ◆ Second preparer's initials are not supported on a small label template pack (e.g., STD-S1 and ZH-S1). Small labels do not support preparer's initials.

Technical Support

If problems occur during software installation or operation, contact Codonics Technical Support at any time.

Phone: +1.440.243.1198

Email: support@codonics.com

Website: www.codonics.com

Get it all with just one call
800.444.1198



All registered and unregistered trademarks are the property of their respective owners. Specifications subject to change without notice.

Patents: www.codonics.com/ip/patents.

Copyright © 2010-2024 Codonics, Inc. Printed in the U.S.A. Part No. 901-245-029.02

17991 Englewood Drive
Cleveland, OH 44130 USA
+1 (440) 243-1198
+1 (440) 243-1334 Fax
Email info@codonics.com
www.codonics.com

Codonics Trading Co, Ltd.
317 Xianxia Rd. Building B
Unit 1412
Changning Dist., Shanghai
P.R. China, 200051
86-21-62787701
86-21-62787719 Fax

Codonics Healthcare Japan
AQUACITY 9F,
4-16-23, Shibaura
Minato-ku, Tokyo, 108-0023
JAPAN
81-3-5730-2297
81-3-5730-2295 Fax