Agilent

Advanced Sample Linking

Software Revision 1.1

Release Notes

Notices

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This guide is valid for Sample Linking software v1.1.

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1 Introduction

This document provides a listing of the major feature modifications made in the release 1.1 of Agilent Bench Applications and Sample Linking software.

For our Regulated Customers

When any change is made to Agilent software, the validation status of the software needs to be re-established by the user/customer.

Whenever software is changed, a validation analysis should be conducted not just for the validation of an individual change, but also to determine the extent and impact of that change on the entire software system.

The installation of Agilent Bench Applications and Sample Linking software on a client/server system or a Workstation Plus with OpenLab CDS will not alter the OpenLab CDS installation. Agilent Technologies confirms that after the installation of Agilent Bench Applications and Sample Linking software, the functionality of OpenLab CDS is not adversely impacted as a result of the installation.

The transfer of information between an external system and Bench Applications for OpenLab CDS needs to be configured, verified, and validated by the user/customer as per defined intended use.

2 Revision 1.1 of Agilent Bench Applications and Sample Linking Software for OpenLab CDS

Infrastructure

- Bench Applications can be now installed on Workstation Plus. In this case, Acquisition Adapter is installed instead of Sample Scheduler Adapter.
- Bench Applications are now compatible with OpenLab CDS v2.8 and OpenLab CDS v3.0

Installation & Migration

- The installer allows selection between OpenLab CDS Server and Workstation Plus (WS+).
- The installer validates prerequisites for the selected environment.
- The installer installs the correct adapter (Sample Scheduler Adapter for OpenLab CDS Server, Acquisition Adapter for Workstation Plus) and configures permissions based on selected environment.
- The step of providing OpenLab Shared Services credentials is skipped during upgrade if these are the same credentials as they were during the first installation.
- All tasks and their progress within the Sample Linking software are preserved during the migration.
- Bench Applications require .Net9. If .Net8 is already installed, the installer will install .Net9 along with it.

Roles & Privileges

- Bench Applications Lab Manager role is added. It has all permissions except permissions related to Control Center and the link/submit samples permission.
- The following privileges added:
  - View Sample Linking software settings: Grants access to Sample Linking software settings page
  - Edit Sample Linking software submission configuration: Grants access to configure the partial submission in the settings page of the Sample Linking software

Compliance

- Project-based access control for sequences is added in Sample Linking software and Workflow Dashboard.
- Separate entries in the activity log are available for Bench Applications, Sample Linking software, Control Center, Workflow Dashboard.
- Access to settings is role-based: System Administrator and Lab Manager can view and edit settings, Analyst cannot.

Web Interface

Samples and transfers

- Samples without barcodes can be hidden via a toggle in the context menu.
- The transfer panel auto-scrolls to the bottom after each transfer or sample selection.
- A spinner is shown during transfer operations, and input fields are disabled until completion.
- The first entry in every transfer history is labeled **Initial**.
- The last entry in every transfer history is labeled **Current**.
- Tasks can be marked as **Done**. There is a status indicator (greyed out for not transferred, green for done), synced across users and sessions.
- The **Done** status is reset upon new transfers and can be manually removed.
- Intermediate transfers display existing notes in read-only mode.

InfinityLab Assist Interface

- Support of the OS-based on-screen keyboard is added

Other Enhancements

Sequence handling

- Sample Linking software now handles sequences created in OpenLab CDS Aquisition on Workstation Plus.
- The sample order in the task in the Sample Linking software is the same as the order in Sample Scheduler or Acquisition, also after the sequence is updated in Sample Scheduler or Acquisition.

Notes

- Users with appropriate permissions can add notes to the latest transfer via a contextual menu.
- Notes are saved to the activity log.
- Notes persisted in Sample Scheduler or in Acquisition upon submission.

Barcode-Driven Task Selection

- Scanning a sample barcode redirects the user to the correct task, with the sample pre-selected.
- If multiple tasks contain the barcode, a selection dialog is shown.
- Barcodes that are part of a transfer history but are not the current container ID will still be found by the scanning and either be part of the filtered dialog or the user is directly navigated to the task.

Submission Flexibility

- Users can submit tasks without linking all samples.
- A warning message informs users of unlinked samples before submission.

Login & App Behavior

- The login button is disabled during active login attempts and when credentials are missing.

- A spinner is shown during login, and appropriate feedback is provided on failure.
- During app loading, a spinner is displayed until the interface is ready.

Navigation & URL Handling

- URLs reflect the specific task being worked on and are shareable and bookmarkable.
- Invalid task IDs result in clear error messages and redirection to the task selection screen.

Settings

- Configuration pages for Acquisition Adapter and Sample Linking software are added in settings.
- Acquisition Adapter settings page provides configurations for Acquisition Adapter Service user, source of the sample container barcode, combining samples with identical properties and saving the full sample linking transfer history.
- For Acquisition Adapter, the server address is read-only, credentials are configurable. Test Connection functionality checks authentication only.
- Sample Linking software settings page provides configuration to enable/disable submitting tasks without linking all samples. This setting is configurable by Lab Managers.

Control Center

- Control Center allows managing of Acquisition Adapter Service as well as configuring and downloading logs for Acquisition Adapter.

Licensing

- Installation of Bench Applications with OpenLab CDS 2.8 uses Licensing 2.0, version 6.0.0.
- Installation of Bench Applications with OpenLab CDS 3.0 uses the licensing version provided by CDS.

In This Book

This manual provides a listing of the major feature modifications made in the release 1.1 of Agilent Bench Applications and Sample Linking software.

The manual describes the following:

- Introduction
- Revision 1.1 of Agilent Bench Applications and Sample Linking Software for OpenLab CDS

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