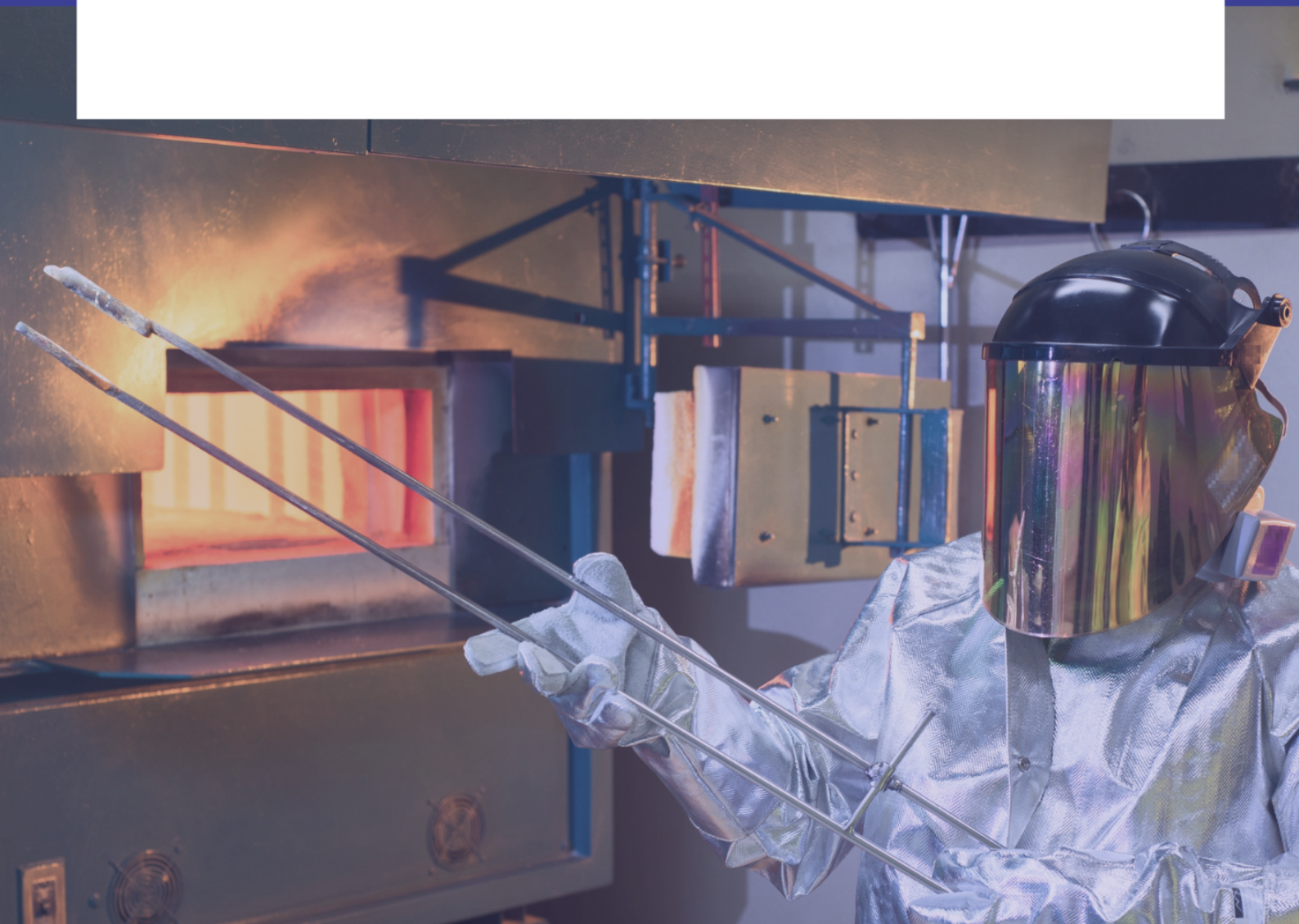
DATAMINE

ASSAYNET

AssayNet Mobile 4

Release Notes



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Overview

AssayNet Mobile gives field samplers and laboratory receiving staff a single Android app that replaces paper logs and handwritten labels. Samplers scan each sample where it is collected, capture field data and GPS automatically, and keep working with no signal; everything is sent to AssayNet LIMS in one action when they are back in range. At the laboratory, the same device scans samples in and creates the batch. The result is faster turnaround, fewer transcription errors, and samples visible in the LIMS the moment they are saved. Included in your existing AssayNet LIMS license.

Further information

This document includes cumulative release notes for AssayNet Mobile 4.

Release notes for other versions of AssayNet are available via the Support Portal https://www.dataminesoftware.com/support/.

AssayNet Mobile 4.0 release notes

AssayNet Sample Track is now AssayNet Mobile, an Android companion application for AssayNet LIMS that is available from Google Play. It provides a digital chain of custody from field collection to laboratory receipt, reducing paper records and duplicate data entry.

One application for field and laboratory work

One sign-in gives users access to two workspaces. Each workspace retains its own data on the device.

Sample Tracking

The **Sample Tracking** workspace loads client submittals onto the device. Samplers scan each sample at the point of collection and record its hole number, description, sample type, prep code, and location. Each barcode is checked against the expected sample list, so an unexpected or duplicate identifier is reported in the field rather than at the receiving bench. Changes made on the device are recorded in the submittal history.

Sample Login

The **Sample Login** workspace receives samples at the laboratory without tying the receiving bench to a workstation. Users can scan samples, assign packages and Non-Conformance Sample (NCS) codes, set the batch details, and create the sample batch in AssayNet LIMS.

Offline field work

Sample Tracking continues to work without a network connection. Scanning and location capture continue, and saved map areas remain available offline. When a connection returns, the collected data is sent to AssayNet LIMS in one action. If the application starts without a connection, it opens the work already stored in **Sample Tracking** and explains that sign-in was skipped. **Sample Login** requires a network connection because it validates each scan against AssayNet LIMS.

Work that has not been sent is protected. The application blocks logging out until the work reaches AssayNet LIMS, with an explicit option to log out without sending when required. Local data is never cleared automatically. It is removed only when a user deliberately chooses to clear it, and the application warns first that unsent work will be lost.

Scanning and data capture

Barcodes can be scanned with the device camera, a keyboard wedge scanner, or the integrated scanner on a rugged Zebra device. The application selects the scanning method automatically, so sites can use standard Android devices and dedicated field units.

Sample weights can be read directly from a balance paired over Bluetooth and captured automatically as each barcode is scanned. This removes the need to read the balance display and enter the weight manually.

Planned and sampled locations

When location capture is enabled, AssayNet Mobile records the Global Positioning System (GPS) coordinates of each sample as it is scanned. The sampler does not need to record or enter the coordinates separately.

In AssayNet LIMS 4, planned latitude and longitude can be recorded against a sample before field work begins. After collection, the **Submittal Samples** grid displays the planned and sampled locations together, making differences between the intended and actual collection points visible.

Security and access

Users sign in with the same Active Directory accounts they use for AssayNet LIMS. The application communicates with the LIMS REST application programming interface (API) over HTTPS and does not connect to the database directly or store database credentials. Authorization is checked at the API and database layers, transactions are audited, and mobile access uses the same roles and security actions as AssayNet LIMS 4.

Configuration, licensing, and requirements

Connection settings are stored on the device and can be changed without reinstalling the application. Users can configure and test the server address, database, device name, default workspace, and certificate exception. Settings for both workspaces are grouped on one screen.

AssayNet Mobile is included in the existing AssayNet LIMS license at no additional cost. It connects to an organization's AssayNet LIMS installation and cannot be used as a standalone application.

AssayNet Mobile requires:

- A licensed AssayNet LIMS installation with the LIMS REST API published.
- Network access from the devices to the AssayNet LIMS server.
- A 64-bit Android device running Android 10 or later.
- A screen lock set on the device, such as a PIN, pattern, or password.

Search for *AssayNet Mobile* on Google Play.

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