VIAVI

StrataSync 13.5

Release Notes

Notice

Every effort was made to ensure that the information in this manual was accurate at the time of printing. However, information is subject to change without notice, and VIAVI reserves the right to provide an addendum to this manual with information not available at the time that this manual was created.

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Summary of StrataSync 13.5 Changes

- New features
    - Test Results JSON API scalability enhancement for GET query
    - Enhancements to Advanced Mobile Tech settings UI
    - New OneExpert CATV test results metadata supported
    - Microsoft Edge browser supported
- General improvements / Bug fixes
- New test instrument support
    - AIM2 test instrument

New features

Test Results JSON API scalability enhancement for GET query

The Test Results JSON API has been enhanced to support queuing with congestion handling for better scalability. Previously this was supported when StrataSync experienced sustained peak loads for test results POST search queries, where it could respond with a HTTP 503 'server busy' message with a 'retry after' value in seconds for the calling application to backoff before retrying the request.

This congestion handling is now additionally supported for the GET test results query.

Enhancements to Advanced Mobile Tech settings UI

Please note, this functionality only applies to customers subscribed to the SS-MT-SVRUPLD-SUPP-1YR and/or the SS-MT-A2AIF-SUPP-1YR support plans.

To enhance the customer configuration of the Advanced Mobile Tech settings introduced in StrataSync releases 12.5 and 13.0, release 13.5 now supports customer configuration for app-to-app integration between the VIAVI Mobile Tech app and a customer mobile application in *System Settings > Mobile Tech Settings,* as well as *Organizations > Organizations List > Edit Organization Settings > Mobile Tech Settings*. If the settings are configured under System Settings, they are applicable across the whole StrataSync account unless overridden by Organization level settings.

Previously, only settings to control upload of test results from VIAVI Mobile Tech to a customer web server were supported (requiring the SS-MT-SVRUPLD-SUPP-1YR support plan). Now, app-to-app integration and direct server test results can be configured independently or together.

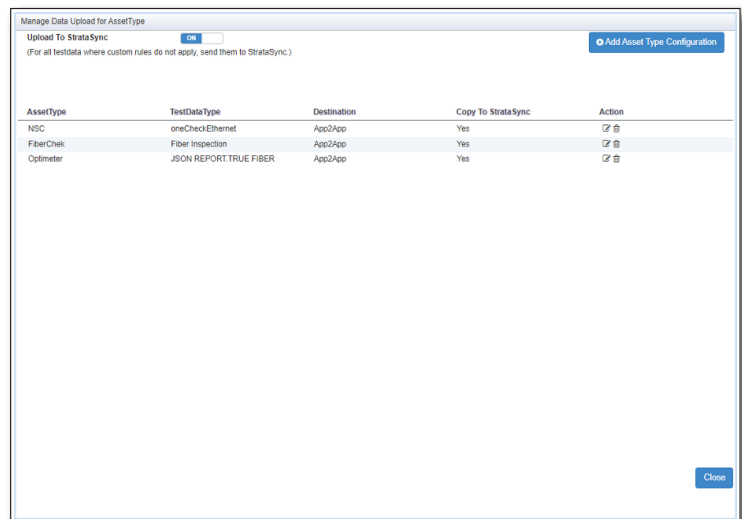Control for app-to-app integration supports:

- Push a work order from customer app to VIAVI Mobile Tech.

- Customer app receives test results metadata (summary info) from VIAVI Mobile Tech.

- Customer app receives full test results files from VIAVI Mobile Tech (Android-only due to iOS technical limitations)

Work order push from a customer mobile app to VIAVI Mobile Tech is controlled by a checkbox ('Enable App2App WorkOrder') in the overall 'Mobile Tech Settings' screen. This interface supports receiving JSON-formatted VIAVI Common Data Model (CDM) jobs (work orders) which minimally contain a workOrderId and a reference to a CDM Job Template which must previously have been shared with VIAVI Mobile Tech. The Job Template can contain a test plan or other information required by a test instrument to perform testing and labeling.
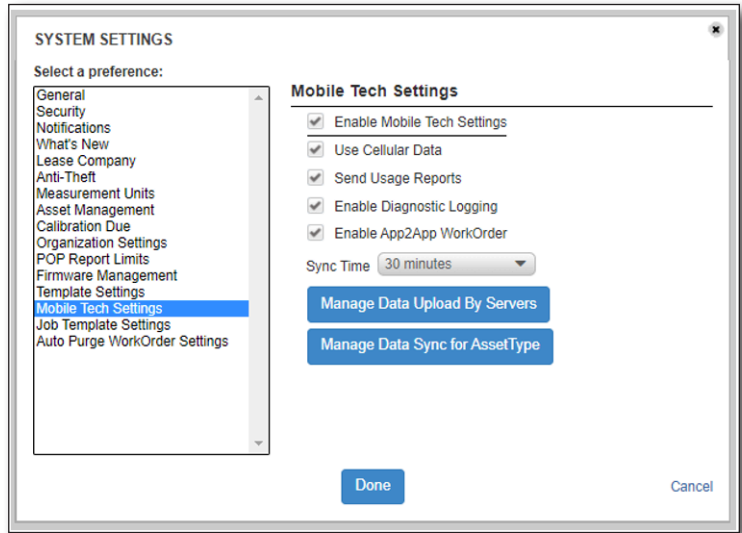
The 'Manage Data Sync for Asset Type' view now supports a default rule whereby the user can configure whether test results synced via VIAVI Mobile Tech will be uploaded to StrataSync. For example, if this 'Upload To StrataSync' control is set to "OFF", then no test results will be uploaded to StrataSync unless a per-asset type/per-testdata type configuration overrides this.

The 'Add Asset Type Configuration' view now allows a user to select "App2App" as a destination, as well as customer server definitions supported in StrataSync release 13.0.

Mobile Tech Settings

Manage Data Upload by AssetType

The upload to StrataSync option for a given asset type and testdata type can be controlled individually as before and sharing of test results metadata and/or full test results files can be enabled/disabled. Please note that sharing full test results files will only be supported by VIAVI Mobile Tech running on the Android mobile OS.

If the 'Upload Metadata' control is enabled ("ON"), then a selection list on the left represents all the available metadata fields for the selected asset type and testdata type. The left/right arrows can be used to control which metadata fields are configured in the right selection list which represents the metadata fields to be shared via app-to-app integration.

These three functions and the implications/capabilities per-mobile OS are described in the *Mobile Tech Generic App to App Developer Guide*. All settings are encrypted at rest and are transmitted to Mobile Tech based on the authenticated Mobile Tech logged-in user over HTTPS encrypted communications. Settings are applied according to the organization associated with the logged-in user.

This feature works in conjunction with capability available in VIAVI Mobile Tech version 4.7-onwards and requires consultation with the StrataSync Operations team to enable and configure, and the SS-MT-A2AIF-SUPP-1YR support contract in place.
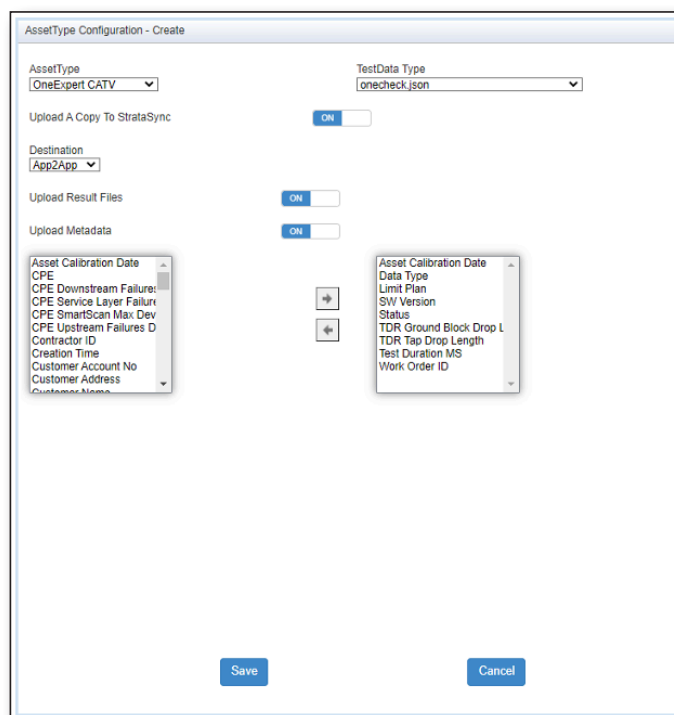
Creating AssetType Configuration

New OneExpert CATV test results metadata supported

New test results metadata fields were supported for test results in the ONX CATV 4.8.x firmware released in Feb 2022. The following fields were supported in the Test Results JSON API POST query response for results uploaded from assets upgraded to this latest firmware in StrataSync release 13.0.

In this 13.5 release, these fields are now available via the 'Customize View' feature in the Test Data list view, when selecting the "OneExpert CATV" asset type:

- CPE SmartScan Max Deviation
- GroundBlock SmartScan Max Deviation
- GroundBlock First Reflection
- GroundBlock Longest Reflection
- Limit Plan
- Tap SmartScan Max Deviation

Microsoft Edge browser supported

StrataSync now supports the Microsoft Edge browser for access to the StrataSync Admin and Technician landing pages (web UI).

Support for Microsoft Internet Explorer 11 is now deprecated from this release onwards.

General improvements / Bug fixes

Improvements

- Customer account-configurable only (if you currently do not have the same restriction for the Test Data list view then this is not applicable). Previously for the work orders views, if a user removed the default filter of the current day from the "Scheduled Date" column, the view returned all work orders.

  For some accounts, this could match 13 months-worth of data and can take a long time to refresh the view. From this release onwards, the user will be forced to provide a filter condition for "Scheduled Date", so that the user consciously chooses the date range when filtering work orders.

Bug fixes

- Asset counts per-test configuration template in the Manage Templates UI could report incorrect counts – this has been corrected.

- API functionality and work order compliance reporting ('Reports' view) would not consider new Subscription Plan and Option licensing – this has been corrected.

- An issue would occur for customers pushing work orders into StrataSync with a 'relevant timestamp' component to the scheduleDate (e.g. "2022-01-25T20:25:49-05:00") instead of a timestamp representing the start of day (e.g. "2022-01-25T00:00:00-05:00"), and then syncing those work orders via the VIAVI Mobile Tech app.

  Due to UTC time conversion, late-day timestamps could result in a timezone conversion where the scheduleDate changed to the next day, and the work order would not be synced. This timezone conversion issue has now been corrected.

New test instrument support

AIM2 test instrument

AIM2 (Advanced Installation Meter) supported as a syncable asset type in StrataSync

- Supports asset information sync
- Supports template test configurations
- Supports upload of test data files
- Supports firmware deployment

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