VIAVI

StrataSync 11.6
Release Notes

Notice

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Summary of StrataSync 11.6 Changes

- New features:
    - Customer documentation
    - Cable Workflow JSON API scalability improvement
    - Static IP addressing for EU production server environment
    - New CATV dashboards
    - New Generic Workorder-associated Results dashboard
- New instrument support
- General improvements / Bug fixes

New features

Customer documentation

StrataSync now supports centrally managing documents accessible via VIAVI's Mobile Tech mobile application (available on the Apple App Store and Google PlayStore), for accounts configured for this capability.

This is in addition to the VIAVI-provided instrument documentation.

An administrative user with the correct permissions can access this capability via 'Documents' in the 'System Settings'.
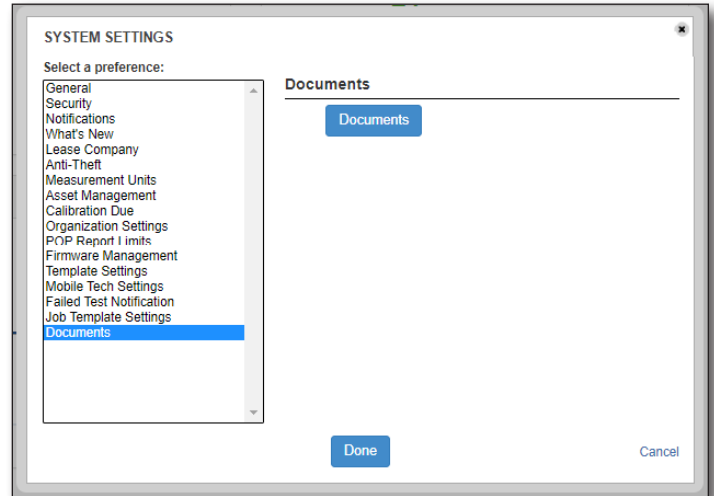

The user can click the upload button from the pop-up window, choose a file to upload, as well as select a specific instrument (asset) type from the pull-down selection (or can select 'Generic'), and can additionally provide tags to further aid document searching.

The accepted file types are:

- **Image file types** – 'jpg', 'png', 'gif', 'bmp', 'tif'.
- **Video file types** – 'mov', 'mp4', '3gp', 'mkv', 'm4v'.
- **Document file types** – 'html', 'json', 'xml', 'txt', 'rtf', 'pdf'.

Please note, a maximum number of 1,000 files can be uploaded per-customer account, and the maximum file size per-file is 1 GB.
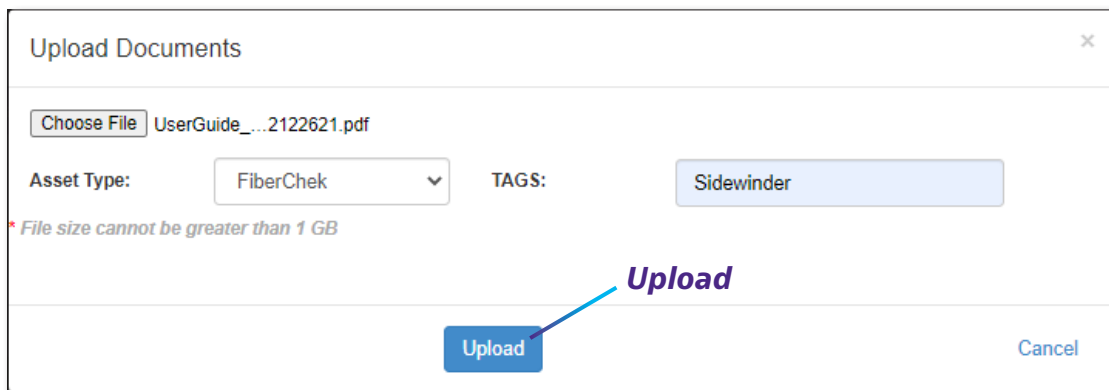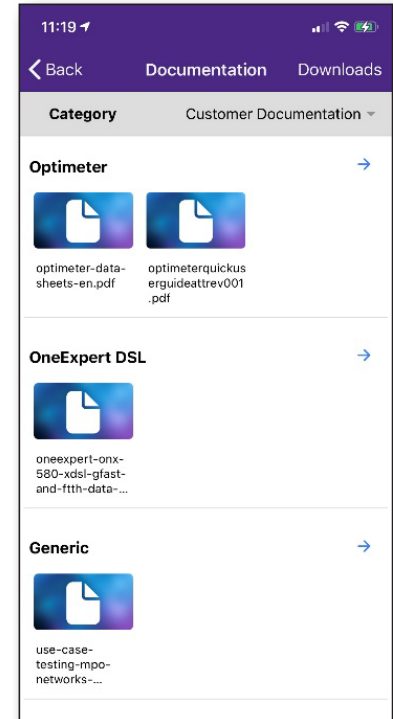

Uploading documents via StrataSync

Once the document is uploaded, it is viewable along with other uploaded documents. A user may edit the associated asset type and tags, but to change the name of the document, you must first delete it from StrataSync and then reupload it with a different name.
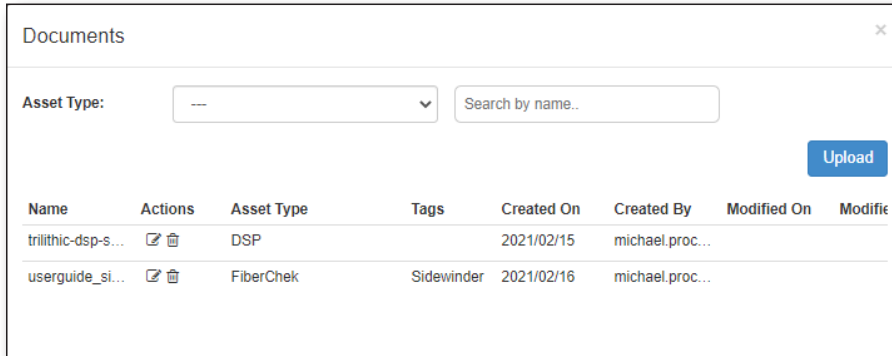
Document list in StrataSync

Document list in the Mobile Tech app

For technicians using the Mobile Tech application and logged into the customer account, if they select 'Documentation' and then "Customer Documentation" as the category, they will then see documents uploaded to StrataSync organized by the 'Asset Type' selected when uploading to StrataSync.

Cable Workflow JSON API scalability enhancement

The Cable Workflow JSON API has been enhanced to support queuing with congestion handling for better scalability. Now when StrataSync experiences sustained peak loads for new workorder posting, it can 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.

## Static IP address support for EU production server

Previously, only the US production server supported static IP addressing, useful for some customers when accessing StrataSync from PCs and test instruments located behind their firewall/internet gateway. Now the EU production server also supports static IP addressing for its main web servers. Please contact VIAVI technical support if your account is configured on the EU production server and you need the static IP addresses.

New CATV dashboard

Supports new dashboards for the ONX-6xx (ONX CATV) instruments under the "Analytics" tab in the StrataSync UI for accounts configured for this capability.

The first dashboard "OneCheck Expert" is designed to visualize aggregated test results of type onecheckexpert.json, typically used by maintenance technicians when troubleshooting CATV connections. As well as summarizing Pass/Fail/Marginal test status overall and by time, the dashboard also breaks down results status by key metric type, so administrators can examine if there are specific issues in particular areas or with specific technicians.

The principle aggregation level is at whatever organization levels have been configured for the customer account, and then the second level of drill-down shows results per-technician. Clicking on a technician will then show a tabular view showing test results with pass/fail/marginal status per-metric, including values for specific metrics like Downstream and Upstream Throughput in Mbps.
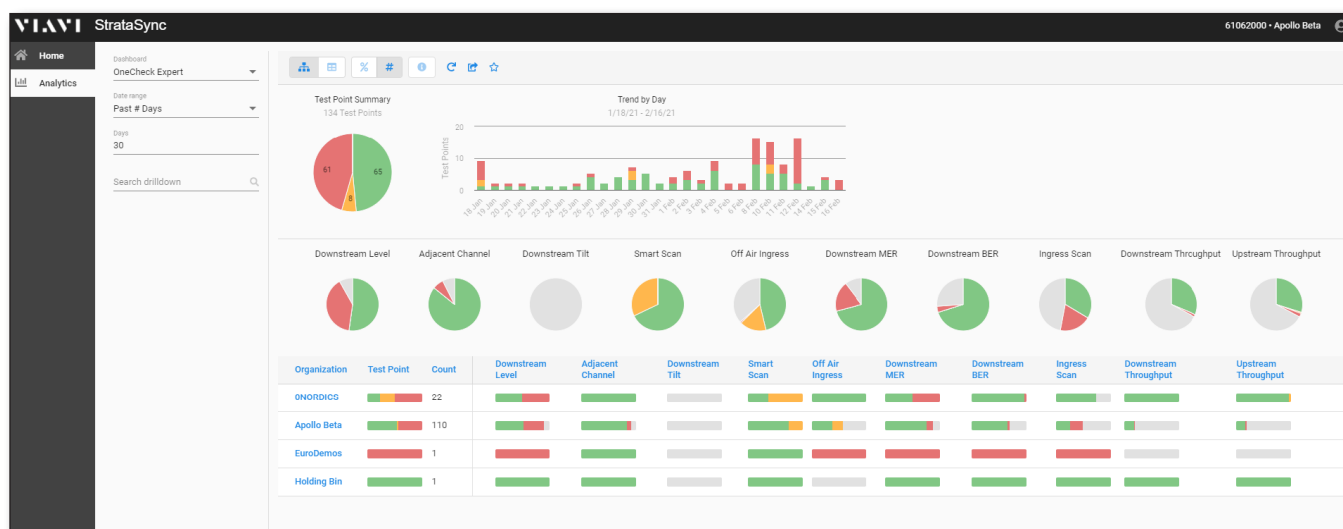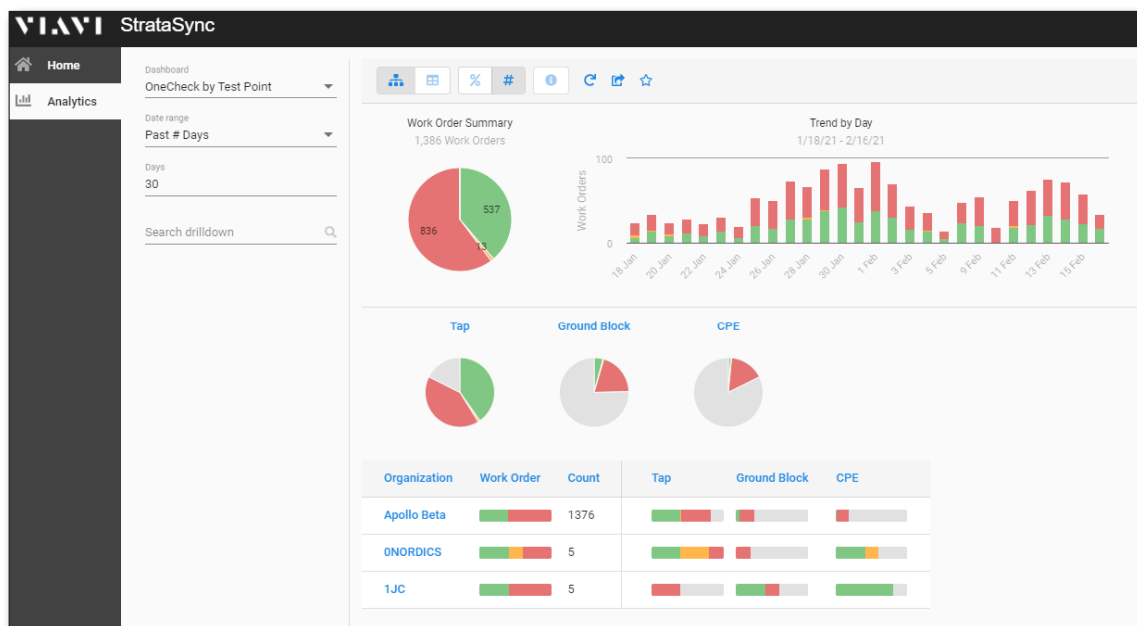

OneCheck Expert dashboard

The next two dashboards focus on onecheck.json test results typically used by home technicians. The first dashboard "OneCheck Work Order Summary" summarizes pass/fail status by workorder and over time, as well as breaking down the aggregations by tests by location, e.g. at the Tap, Ground Block or CPE locations.

The tabular view starts by further breaking down the results by organization, then clicking on an organization will give a breakdown by technician, and finally clicking on a specific technician will break out the test results per-workorder with per-test location pass/fail status and links back to the original test results files stored in StrataSync.

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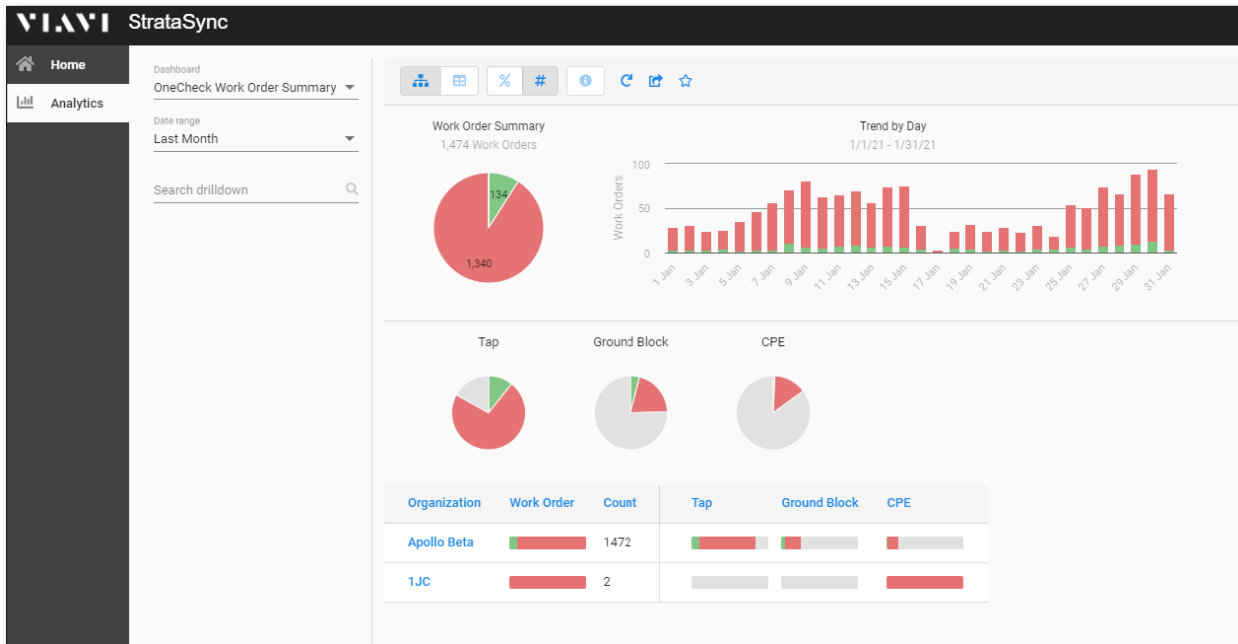
OneCheck Work Order Summary dashboard

The third dashboard "OneCheck by Test Point" is more test result-focused, as opposed to workorder-focused like the OneCheck Work Order Summary dashboard. As well as summarizing test results overall and over time, and by test location, the user can additionally click on the blue text for the specific location (Tap, Ground Block, or CPE) to filter on test results across organizations and technicians for that location.


OneCheck by Test Point dashboard

In the example below, the user drilled-down on the 'CPE' location, which then modifies the view to show detailed metrics for results taken at the CPE. Users can then drill-down by organization and technician as with the previous dashboards.
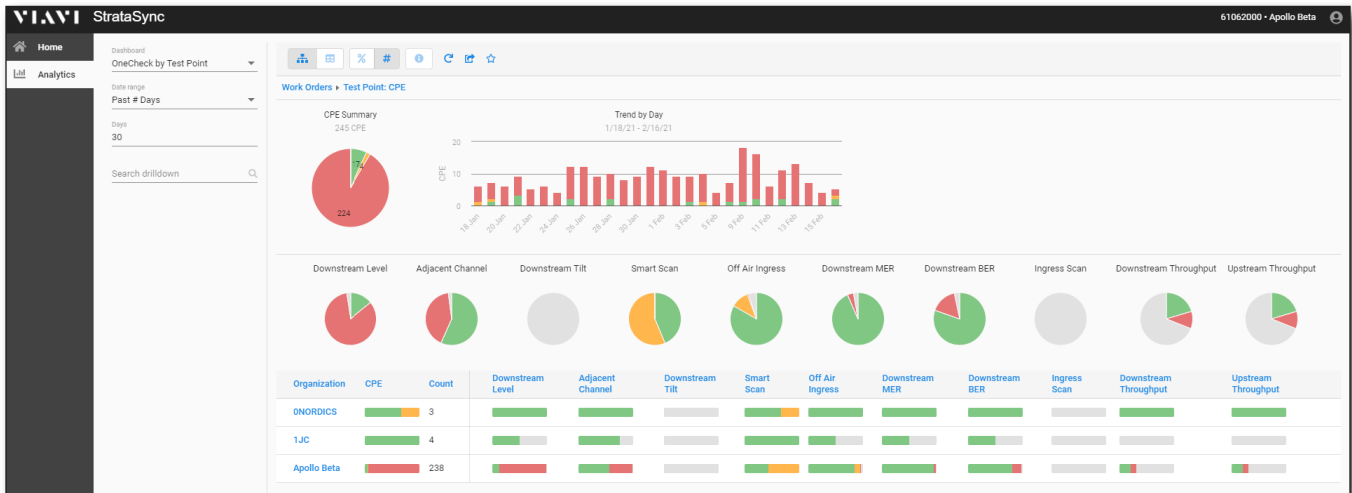
OneCheck by Test Point dashboard (drilled down to CPE)

New Generic Workorder-associated Results dashboard

Supports a new dashboard "Work Orders + Org Path" supporting workorder-associated CDM (Common Data Model) json-formatted test results from any VIAVI test instrument, under the "Analytics" tab in the StrataSync UI for accounts configured for this capability.
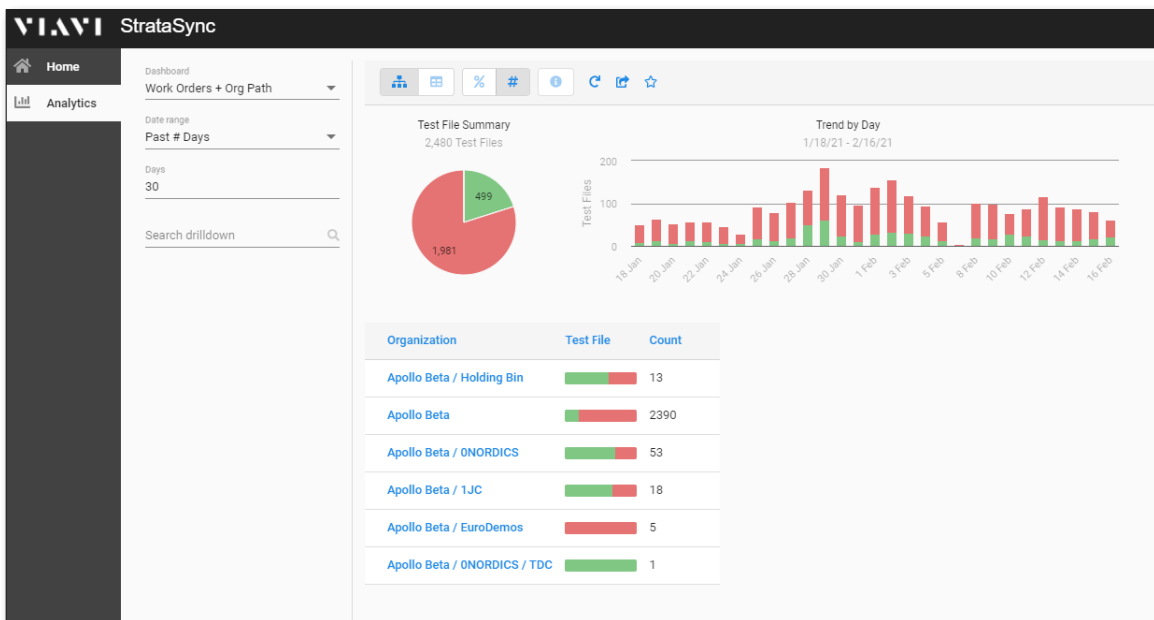
Work Orders + Org Path dashboard

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This view highlights the overall pass/fail status for workorder-associated test results, as well as showing a column chart of results over time, based on the 'Date range' selected in the filter section. The tabular section below by default highlights a breakdown by Organization Path as configured for the StrataSync account. Please note that results association may be duplicated for higher-level organizations.

By clicking on any organization path in the tabular section, you can drill down to the per-technician pass/fail results. Clicking on a specific technician (by Tech ID), will drill down to pass/fail results by Work Order ID. Clicking on a specific Work Order ID will provide a breakdown per-test type, and finally clicking on a particular test type will display the filename, sync time, test time and pass/fail status for individual test results for that test type. Additionally users can link to the actual test results file stored in StrataSync.

For test results to be included in this dashboard, they must have the Work Order ID field populated.

New instrument support

SmartPocket V2

The following models for the SmartPocket V2 power meter are supported as syncable asset types in StrataSync, with communications via VIAVI's Mobile Tech mobile application.

- OLP-35V2
- OLP-35V2SC
- OLP-37XV2
- OLP-37X2V2
- OLP-38V2

Supports asset information sync.

Supports upload of test data files.

Supports firmware deployment.

General improvements / Bug fixes

- For the feature "Instrument-based login for Mobile Tech" released in StrataSync 11.5 – please note that for this to work, the user profile for the associated Tech ID must have the "Login Enabled" checkbox CHECKED – see the 'View/Edit User Details' action for a particular user in the People list, and then the 'Access and Visibility' section of the user profile selected.

- Improvement in response when selecting all assets across all pages (in the 'Asset List' view).

- Improvement in response to deploy firmware for 1000s of syncable assets from the 'rocket' icon (in the 'UPDATE FIRMWARE' pop-up screen.

- Help links redirected to HTTP instead of HTTPS – this has been corrected.

- Some instrument syncs failed if a value for a key:value pair in the 'info' metadata field contained a comma – this has been corrected.

- In certain cases, the Software Options column in the 'Asset List' view showed a value of zero, (but clicking on the zero would still show configured options for the associated asset). Now the column shows the correct number of software options.

- In certain cases, scheduled emails configured with a saved view associated with the 'Assets List' view were not sent – this has been corrected.

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Feb 2021

English