ONYX

Release Notes

Version 25

This Document outlines what's new in the SYNC API as part of the Data Access 3.3 release (This is in connection with the V25 of ONYX Thrive Software).

These enhancements are only compatible with Data Access 3.3 and ONYX version 25 and later. Also, note that specific API licensing is required. If you have questions about API access, please contact your local reseller or ONYX Territory Sales Manager.

V3.3 API Enhancements

Added API functionality for printer information (Printer States)

GET /v3/printer/messages

Added the ability to retrieve printer messages such as ripping, printing and custom printer states. Endpoint supports the following parameters: query, latest, and id.

GET /v3/printer/{id}/messages

Added the ability to retrieve printer messages for a specific printer. Endpoint supports the following parameters: query and latest

POST /v3/printer/{id}/messages

Added the ability to post custom printer messages such as needed maintenance, operator statuses, etc...

DELETE /v3/printer/messages

Added the ability to delete printers messages. Endpoint supports the daysOlderThan parameter, which allows you to delete printer messages older than the specified days.

GET /v3/printer/{id}/status

Added the ability to retrieve the printer's print status. Information returned includes percent done, startTime, and startDate.

GET /v3/printer/{id}/states

Added the ability to retrieve printer states such as the printNest, printComplete, deviceStatus and printStages.

GET /v3/printer/{id}/estimate

Added the ability to retrieve the print time estimate for the current nest.

DELETE /v3/job/messages

Added the ability to delete job messages. Endpoint supports the daysOlderThan parameter, which allows you to delete job messages older than the specified days.

GET /v3/report/{printRecordId}

Added the ability to retrieve a job report with the printRecordId.

GET /v3/printer/{id}/event

Added the ability to subscribe to printer events via SSE. This endpoint allows you to listen for incoming printer updates and respond appropriately.

GET /v3/printer/event

Added the ability to subscribe to printer events via SSE for all printers.

API Enhancements for Printer Alerts

New endpoints have been added to the API to get printer alerts:

GET /v3/printer{id}/events

Get all events for a specific printer

GET /v3/printer/event

Get all events for all printers

POST /v3/printer{id}/message

Post custom status messages to a printer

GET /v3/printer{id}/message

Get all messages for a specific printer

V3.3 API for Media and Ink Levels

New endpoints have been added to the API to retrieve media and ink levels.

GET /v3/device

GET /v3/device?status=Online

GET /v3/device/{id}

POST /v3/device/{id}/action

POST /v3/device/{id}
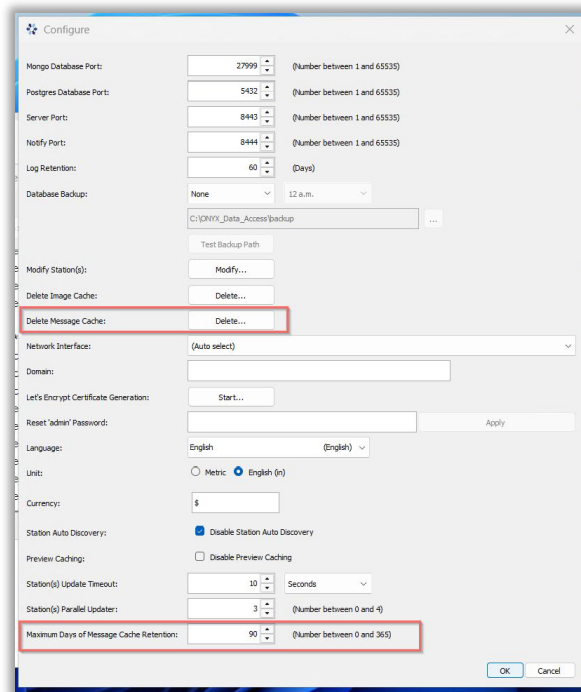
API: Nest Print Estimation Endpoint

A new endpoint has been added to the API to get the current estimated nest print time. This is based on the start/end times and nest width/height of previous print records for the same device mode.

/v3/printer/printerUUID1/estimate or /v3/printer/deviceUUID1/estimate

API: Clear Older Printer/Job Messages

Due to the large number of printer and job messages that can be generated, a way was needed to be able to manually delete older messages that may no longer be relevant.

- "Maximum Days of Message Cache Retention" can be set in the Data Access controller.

- Message Cache can be deleted from the Data Access controller delete button.

- At the startup of The Data Access Database, all messages older than the set maximum days of retention are deleted.

- New endpoints have been added:

    - Delete printer/job messages

    - Delete printer/job messages older than the specified number of days

Resolved Issues and Improvements

License Manager Renamed

License Manager for Data Access is called "Data Access License Manager" for better clarity in multi-product environments.

Improved Upgrade Reliability

Resolved an issue where deprecated WMIC.exe caused errors during Data Access upgrades, backups, and version reporting.

Preview Retrieval Stability

Fixed an issue where Align users were receiving internal server errors (500) when attempting to retrieve job previews.

Accurate Ink Usage Reporting

Ink usage calculations now remain accurate even after a job with the same name is deleted and re-added.

Device Configuration Enhancements

Users can now edit device settings such as media type and page size directly within Data Access.

API Memory Optimization

Increased default memory allocation for the API server from 4 GB to 16 GB, and controller memory to 6 GB, improving performance under heavy load.

Enhanced Job Status Messaging

Added crcHash to XML/JSON API responses for improved job status tracking and validation.