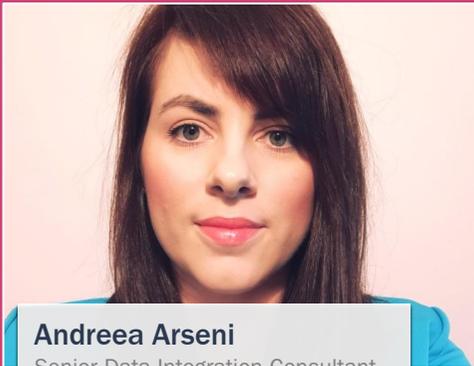


**RAPIDI**



# Welcome to Open Office Hours

## *Session 6: Timestamps & RTI*

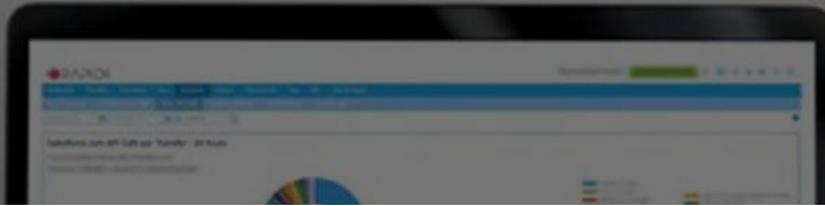


**Andreea Arseni**

Senior Data Integration Consultant  
& Customer Success



# Agenda



- Datetime vs. Timestamp - What's the Difference?
- What is RTI?
- How Source Control Works with RTI
- MyRapidi: Timestamps & RTI
- Questions
- Upcoming Sessions
- Resources

# Datetime vs. Timestamps - What's the difference?

- The term 'timestamp' means different things depending on the system.
  - **Datetime Fields** - A datetime is a human-readable date and time value (for example: 2024-11-14 10:30:00)
  - **Row Version / Incrementing Numbers** - It is a system-generated incrementing integer, essentially a row version number (e.g. 28457392001)

## Important:

- The Source Control field should always be **indexed** in the source system - every incremental run queries this field, and without an index the system does a full table scan on every run.
- In some systems, fields also need to be **published or deployed** before they are available for querying (e.g table extensions and custom fields added via AL extensions).

# What is RTI?

- The Runtime Information (RTI) register is where Rapidi stores system and phase-related information about transfer runs.
  - *Think of it as a reference book that Rapidi consults and updates every time a transfer executes.*
- RTI is used by in combination with **Source Control** (used to transfer only new and/or changed data).
  - *When Source Control is enabled on a transfer, Rapidi uses RTI to store and retrieve the watermark - the point in time (or version number) up to which data was last successfully transferred.*

***Important: RTI is only created for transfers where Source Control is enabled. If a transfer does not use Source Control, no RTI entry will exist for it - this is expected behaviour.***

# How Source Control works with RTI

- When a transfer with Source Control enabled runs, Rapidi captures the highest value of the source control field from the records it processed, and stores that value in the RTI entry. On the next run, Rapidi queries the source for records where the source control field is greater than the stored value - pulling only what has changed since the last run.

## When is RTI created?

The first time a transfer with Source Control enabled runs successfully, Rapidi creates the RTI entry. If you check RTI before the first run, you will not see an entry - this is normal.

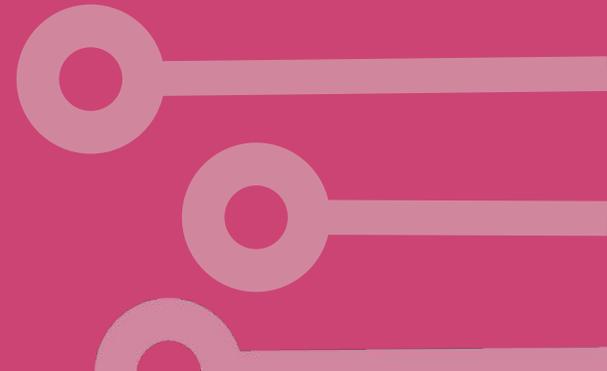
## How to reset the RTI?

Enter 0 in the Source Control field. On the next run, Rapidi will pull all records from the source, since every record will have a source control value greater than 0.

## How to reset to a specific value?

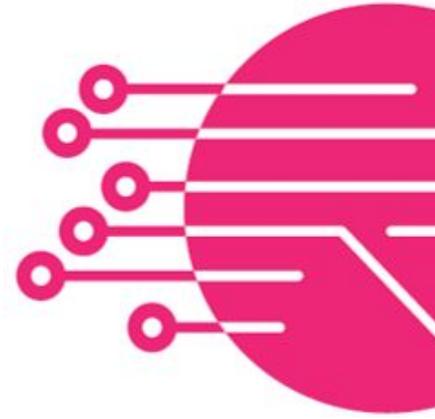
Enter a specific value in the Source Control field to re-run from a particular point without pulling everything.

# MyRapidi: Timestamps & RTI



# Recap: Key Takeaways

- RTI is Rapidi's internal reference book for Source Control - it only exists for transfers where Source Control is enabled.
- Each RTI entry is unique to the combination of Transfer Code + Source + Destination.
- RTI is updated at the end of a successful run - if a transfer fails, the watermark does not advance and the next run retries from the same point.
- **Datetime** is human-readable. **Row version** (NAV/BC Timestamp) is an incrementing sequence number with no date meaning.
- The type of value stored in RTI depends entirely on which field was chosen as the Source Control in the transfer configuration.
- To reset RTI: use **0** for a full re-sync, or a **specific value** for a targeted re-run from a known point.
- The Source Control field must be **indexed**, **available for filtering**, and in some systems **published or deployed**.



**Questions?**



[info@rapidionline.com](mailto:info@rapidionline.com)  
[www.rapidionline.com](http://www.rapidionline.com)  
[MyRapidi.com/wiki](http://MyRapidi.com/wiki)

# Register for the upcoming sessions...

## Open Office Hours — Quick Links

- Main page (what it is + upcoming sessions): Open Office Hours

<https://www.rapidionline.com/resources/open-office-hours>

- Complete Season 1 schedule (all 12 sessions + phases): Season 1 schedule

<https://www.rapidionline.com/product-updates/open-office-hours-season-1>

- Session 7 page (full details + registration): Continue on Errors & Data Errors

<https://www.rapidionline.com/open-office-hours-continue-on-error-data-errors>

# Complete Schedule for OOH Season 1

## PHASE 1: FOUNDATION (JANUARY)

Learn to navigate MyRapidi, structure transfers, and connect your systems.

| Date   | Session Title                  | Key Topics  |
|--------|--------------------------------|---|
| Jan 15 | MyRapidi Interface Walkthrough | Navigation, Transfers, Schedules, Groups, LinkStorages    |
| Jan 22 | Transfer Design 101            | Actions, patterns, avoiding duplicates, design vs runtime |
| Jan 29 | Connections: D365 OData Cloud  | Azure App Registration, OAuth2, permissions, testing      |

## PHASE 2: CONFIGURATION (FEBRUARY)

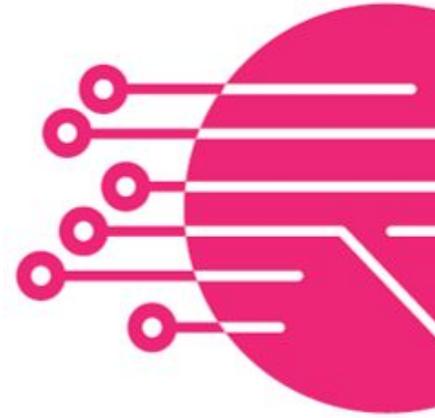
Master field mappings, timestamps, error handling, and CRM connections.

| Date   | Session Title                     | Key Topics   |
|--------|-----------------------------------|--|
| Feb 5  | Connections: Salesforce & HubSpot | OAuth flows, user permissions, re-authorization              |
| Feb 12 | Field Mappings                    | Type conversions, conditional defaults, lookups, nulls       |
| Feb 19 | Timestamps & RTI                  | Change detection, Runtime Information Register, patterns     |
| Feb 26 | Continue on Error & Data Errors   | Error handling, interpreting errors, and reprocessing safely |

## PHASE 3: ADVANCED (MARCH-APRIL)

Advanced troubleshooting, optimization, and multi-company patterns.

| Date   | Session Title                      | Key Topics   |
|--------|------------------------------------|--|
| Mar 5  | Logs & Runs                        | Troubleshooting flow, reading logs, isolating issues     |
| Mar 12 | Link Storage Deep Dive             | Cross-referencing IDs, naming, import/export, and safety |
| Mar 19 | Scheduling                         | Run windows, overlaps, dependencies, and time zones      |
| Mar 26 | Triggers & Near-Real-Time Patterns | When to trigger, rate limiting, polling vs triggers      |
| Apr 9  | Tags & Reusability                 | Parameterization, multi-company, variable substitution   |
| Apr 30 | AI in MyRapidi - An Overview       | Introduction to AI in MyRapidi                           |
| May 7  | AI Albert Agent                    | AI Assistant Albert with examples                        |
| May 14 | MCP Server                         | MCP server setup for Rapidi                              |



# Give us Feedback

[https://www.getfeedback.com/r/GLRQ1hn\\_W](https://www.getfeedback.com/r/GLRQ1hn_W)



info@rapidionline.com  
www.rapidionline.com  
MyRapidi.com/wiki

# RESOURCES (1)

Documentation: [MyRapidi.com/wiki](https://myrapidi.com/wiki)

Support: <https://www.rapidionline.com/support>

Submit a case: <https://www.rapidionline.com/support/submit-a-case>

Subscribe to Product Updates: <https://www.rapidionline.com/product-updates>

Product Releases Notes: [https://myrapidi.com/wiki/product\\_release\\_notes](https://myrapidi.com/wiki/product_release_notes)



**SIMPLE**

With a standard subscription  
you can create new integrations yourself



**FAST**

Rapidi can be  
implemented as standard in just a few days



**ROBUST**

No programming and  
proven best practice configurations



**FLEXIBLE**

Any transfer can be in  
any direction or bi-directional

# RESOURCES (2)

[Rapidi RTI](#)

[Rapidi Source Control](#)

[How to publish a datetime field](#)

[Source Control Section](#)



**SIMPLE**

With a standard subscription  
you can create new integrations yourself



**FAST**

Rapidi can be  
implemented as standard in just a few days



**ROBUST**

No programming and  
proven best practice configurations



**FLEXIBLE**

Any transfer can be in  
any direction or bi-directional



**THANK YOU!**

*[www.rapidionline.com](http://www.rapidionline.com)*



**Andrea Arseni**

Senior Data Integration Consultant & Customer Success  
[aa@rapidionline.com](mailto:aa@rapidionline.com)

