



No-Code Business Central API Factory



Spare Brained Ideas

Read End points

Data Braider allows you to create new end points easily to make data available from Business Central to the API engine. You can connect related tables and present data as a composed result:

Data Braider API Endpoint

CUSTLEDG

Preview Response | Endpoint Logs | Actions | Related | Automate | Fewer options

General

Code: CUSTLEDG | Endpoint Type: Read Only

Description: Customer - Open Balances | Output JSON Type: Flat

Enabled: ☒ | Last Run Duration: 43 milliseconds

Endpoint Line

Source Table	Source Table Name	Field Count	Included Fields	Relations... Configured
18	Customer	171	8	☐
21	Cust. Ledger Entry	91	7	☒

Edit - Endpoint Fields

Search | Edit List | Include Selected | Advanced Settings

Field No.	Caption	Included	Filter
4	Posting Date	☒	
5	Document Type	☒	
6	Document No.	☒	
7	Description	☒	
11	Currency Code	☒	
13	Amount	☒	
14	Remaining Amount	☒	

Logging >

Advanced Setting

Telemetry Per End



JSON:

```
{
  "Customer.No": "20000",
  "Customer.Name": "Trey Research",
  "Customer.Address": "Southwark Bridge Rd, 91-95",
  "Customer.City": "London",
  "Customer.CurrencyCode": "",
  "Customer.Balance": 2345.63,
  "Customer.PostCode": "SE1 0AX",
  "Customer.County": "",
  "Customer.systemId": "121a1a3e-f4c5-ee11-9cd7-9ae36552f053",
  "Customer.lastModifiedAt": "1707343564",
  "CustLedgerEntry.PostingDate": "2023-01-28",
  "CustLedgerEntry.DocumentType": "Invoice",
  "CustLedgerEntry.DocumentNo": "103169",
  "CustLedgerEntry.Description": "Invoice 102169",
  "CustLedgerEntry.CurrencyCode": "",
  "CustLedgerEntry.Amount": 625.5,
  "CustLedgerEntry.RemainingAmount": 625.5,
  "CustLedgerEntry.systemId": "fcae676f-f4c5-ee11-9cd7-9ae36552f053",
  "CustLedgerEntry.lastModifiedAt": "1707343622"
}
```



Read End points

Read end points support a wide array of features that are quick and simple to configure, such as:

- Add fields¹ from any Business Central tables, including ISV and PTE customizations
- Enforce server-side filtering to only expose certain records
- Allows per-request filtering to focus on the data needed
- Supports complex FlowField scenarios (such as Item Inventory by location and variant)
- Easily supports pagination to tune for performance
- Set additional per-field settings (such as Time Zones for DateTimes)
- Business Central Permissions and Security Filters still apply, of course





Write End points

Data Braider also supports end points that allow updates to Business Central, including composed documents, with an array of controls over behavior:

Data Braider API Endpoint

SALESORDER

Preview Response | Endpoint Logs | Actions | Related | Automate | Fewer options

General

CodeSALESORDER

Endpoint TypeWrite - Batch Mode

DescriptionSales Order with Lines

Output JSON TypeFlat

Enabled

Last Run Duration229 milliseconds

Endpoint Line

New Line

Delete Line

Move Right

Move Left

Fields

Source Table	Source Table Name	Field Count	Included Fields
36	Sales Header	184	
37	Sales Line	194	

Write-Back Endpoint Settings

Require Entire Primary Key

Modify Allowed

Insert Allowed

Delete Allowed

Logging >

Edit - Endpoint Fields

Search | Edit List | Include Selected | Advanced Settings

Field No. ↑	Caption	Included	Filter	Write Enabled	Default Value	Mandatory
5	Type	☒		☒	Item	☐
6	No.	☒		☒		☒
10	Shipment Date	☒		☐		☐
15	Quantity	☒		☒		☒
22	Unit Price	☒		☐		☐
29	Amount	☒		☐		☐
30	Amount Including VAT	☒		☐		☐



Write End points

Read end points support a wide array of features that are quick and simple to configure, such as:

- Expose fields from any Business Central tables², including ISV and PTE customizations
- Choose between error handling modes, per-record or batch, to control what happens if an error occurs in data submission
- Detailed control settings on fields, such as
 - Include as read-only (in the response)
 - Default/required values
 - Mandatory value checking
- Granular control over which types of writing are allowed, such as
 - Insert
 - Modify
 - Delete



Auditing and Diagnostics

Creating APIs is great, but when it's time to use them and there are any challenges, how easily can you solve the problems? With Data Braider end points, you get:

- Event Logging controls per endpoint
- Detailed Event Logs include the raw JSONs of data, both in and out, for faster troubleshooting
- Detailed error messages are sent in responses, providing clearer resolution
- Telemetry can be enabled and tuned per endpoint, allowing easier monitoring focused on the information you need



Integration Helpers

Creating the API end points is only part of the story. Integration partners and consumers of the API data need to be able to quickly and easily learn how to use the information.

To that end, Data Braider supports several integration helpers out of the box:

- Generate a Postman collection for all your end points to easily send to developers working against end points
- Generate the PowerBI Query necessary to consume and present data directly from Data Braider end points
- Generate a Power Automate scoped set of steps to make end point consumption as simple as pasting





Rapid Deployment

Because Data Braider end points are a configuration for an AppSource app, once you have configured the end points you need for your solution, you can export the configuration.

Then, in another environment, you can simply install the Data Braider app, import your configuration, and your API is already live.

No maintenance, no deployment time means you can easily and repeatably deploy your solutions. You can even allow customers to self-service or manage this deployment through simple pipelines.

Additionally, any end point changes you make are instant, making fine tuning your deployment very simple.



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Extensible

For partners wanting to use Data Braider as part of a larger solution or project, Data Braider was built with Extensibility in mind.

The core components extensible, such as adding new formatters as needed. Additionally, there are many Events at key points in the processes, allowing development against Data Braider. Possible examples can include:

- Adding function results to the response dataset
- Monitoring writes to take actions after completion
- Intercepting inputs to apply custom logic to filtered reads or writes



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Cost Flexibility and Partners In Mind

Data Braider is available in a variety of licensing models:

- On Premises Annual subscriptions through Microsoft partners
- Cloud Annual subscriptions with unlimited API call usage through Spare Brained Ideas
- Monthly subscriptions billed based on usage through Spare Brained Ideas³

For the latest pricing information, please check the AppSource listing or the product site: <https://sparebrained.com/appsource/databraider/>

If you are a reseller and wish to receive margins on your sales of Data Braider, reach out to our team to sign up as a Reseller Affiliate.



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Try Before You Buy, Please!

Data Braider is configured to be installable in Sandboxes and work without limit for 60 days to ensure you can easily set up test environments and give it a try.

Stuck?

If you need help with how to use Data Braider and all the options, review our documentation at: <https://databraider.sparebrained.com/>

If you need help with how Business Central stores data, there are many ways to find information about where data can be found and how to understand what tables/fields need to be exposed. Both [CentralQ.ai](https://centralq.ai) and the Community Forums are great places for free assistance.

Spare Brained Ideas also offers a “data reference service”. Find out more on our product page: <https://sparebrained.com/appsource/databraider/>



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Disclaimers

Data Braider is not intended to help you work around any licensing limitations. Please consult with your Business Central partner to ensure licensing compliance.

Notes

¹ There are some field types not supported at this time. For a complete list of Unsupported Field Types, please consult the product documentation:

<https://sparebrained.com/appsource/databraider/>

² While you can expose any table for write access, licensing and permissions still apply. I.E. most ledgers are not writeable directly by most license configurations.

³ As of Feb 2024, this licensing model is not yet released, though scheduled for H1 2024. See the product website for details if this licensing model has been activated:

<https://sparebrained.com/appsource/databraider/>



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