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# CTS starlight

Easily consume your SAP FC data in your BI tools

**CTS_Discovery environment — read-only access**

This guide helps you discover CTS starlight using the **CTS_Discovery** environment. You can run your own queries freely and risk-free to evaluate the solution before any deployment on your SAP FC platform.

## 1 How does CTS starlight work?

CTS starlight connects directly to the SAP FC database and exposes your reporting package data, pre-consolidated data, consolidated data and dimension values through an API. No data is duplicated: you query the source on demand. A web interface is available to help you build your queries.




## 2 Data available in CTS_Discovery

The CTS Discovery database contains data for the submissions **A - 2003.12**, **A - 2004.12**, **A - 2018.12** and **A - 2019.12**:

**A - 2003.12** : 16 reporting packages, 30 central manual entries and 1 consolidation
`A - 2003.12 - GROUP - IFRSYTD - EUR`

**A - 2004.12** : 18 reporting packages, 22 central manual entries and 1 consolidation
`A - 2004.12 - GROUP - IFRSYTD - EUR`

**A - 2018.12** : 16 reporting packages, 29 central manual entries and 1 consolidation
`A - 2018.12 - GROUP - IFRSYTD - EUR`

**A - 2019.12** : 35 reporting packages, 29 central manual entries and 1 consolidation
`A - 2019.12 - GROUP - IFRSYTD - EUR`

https://cloud.ctstation.fr/ctsstarlight_discovery/api/star/datasource/COAMOUNT/alpha?CA=A&DP=2019.12&SC=GROUP&VE=IFRSYTD&CC=EUR&top=100&timeout=15

| CA_name | DP_name | SC_name | VE_name | CC_name | PE_name | RU_name | ORU_name | AC_name | FL_name | AU_name |
|---|---|---|---|---|---|---|---|---|---|---|
| A | 2019.12 | GROUP | IFRSYTD | EUR | 2019.12 | S1000 | S1000 | A1810 | F00 | INV10 |
| A | 2019.12 | GROUP | IFRSYTD | EUR | 2019.12 | S1000 | S1000 | A1810 | F00 | PACK01 |
| A | 2019.12 | GROUP | IFRSYTD | EUR | 2019.12 | S1000 | S1000 | A1810 | F40 | INV10 |
| A | 2019.12 | GROUP | IFRSYTD | EUR | 2019.12 | S1000 | S1000 | A1810 | F40 | PACK01 |
| A | 2019.12 | GROUP | IFRSYTD | EUR | 2019.12 | S1000 | S1000 | A1810 | F50 | INV10 |
| A | 2019.12 | GROUP | IFRSYTD | EUR | 2019.12 | S1000 | S1000 | A1810 | F50 | PACK01 |
| A | 2019.12 | GROUP | IFRSYTD | EUR | 2019.12 | S1000 | S1000 | A1810 | F99 | INV10 |
| A | 2019.12 | GROUP | IFRSYTD | EUR | 2019.12 | S1000 | S1000 | A1810 | F99 | INV10 |
| A | 2019.12 | GROUP | IFRSYTD | EUR | 2019.12 | S1000 | S1000 | A1810 | F99 | PACK01 |
| A | 2019.12 | GROUP | IFRSYTD | EUR | 2019.12 | S1000 | S1000 | A181OC | F00 | INV10 |
| A | 2019.12 | GROUP | IFRSYTD | EUR | 2019.12 | S1000 | S1000 | A181OC | F40 | INV10 |
| A | 2019.12 | GROUP | IFRSYTD | EUR | 2019.12 | S1000 | S1000 | A181OC | F50 | INV10 |
| A | 2019.12 | GROUP | IFRSYTD | EUR | 2019.12 | S1000 | S1000 | A181OC | F99 | INV10 |
| A | 2019.12 | GROUP | IFRSYTD | EUR | 2019.12 | S1000 | S1000 | A181OC | F99 | INV10 |
| A | 2019.12 | GROUP | IFRSYTD | EUR | 2019.12 | S1000 | S1000 | A2610 | F00 | PACK01 |
| A | 2019.12 | GROUP | IFRSYTD | EUR | 2019.12 | S1000 | S1000 | A2610 | F15 | DIV20 |
| A | 2019.12 | GROUP | IFRSYTD | EUR | 2019.12 | S1000 | S1000 | A2610 | F15 | PACK01 |
| A | 2019.12 | GROUP | IFRSYTD | EUR | 2019.12 | S1000 | S1000 | A2610 | F80 | DIV20 |
| A | 2019.12 | GROUP | IFRSYTD | EUR | 2019.12 | S1000 | S1000 | A2610 | F99 | PACK01 |
| A | 2019.12 | GROUP | IFRSYTD | EUR | 2019.12 | S1000 | S1000 | E1110 | F00 | PACK01 |
| A | 2019.12 | GROUP | IFRSYTD | EUR | 2019.12 | S1000 | S1000 | E1110 | F99 | PACK01 |
| A | 2019.12 | GROUP | IFRSYTD | EUR | 2019.12 | S1000 | S1000 | E1610 | F00 | CTA10 |
| A | 2019.12 | GROUP | IFRSYTD | EUR | 2019.12 | S1000 | S1000 | E1610 | F00 | PACK01 |
| A | 2019.12 | GROUP | IFRSYTD | EUR | 2019.12 | S1000 | S1000 | E1610 | F00 | PRO20 |

CTS starlight preview of the consolidation A - 2019.12 - GROUP - IFRSYTD - EUR (excerpt).

## 3 Examples of tests to run

Here are three ways to get started with CTS starlight, from the simplest to the most advanced.

### Bring consolidated data into Excel Discovery

From the CTS starlight web interface:

1. Select the object type **Consolidation** and choose a table (e.g. fiscal year 2019.12, scope GROUP).
2. Build your query the way you build a report in SAP FC, selecting your dimensions (accounts, entities, flows...) as well as the values to take into account.
3. Preview the result (the first 100 rows are displayed automatically).
4. Use the generated URL in Excel, **Data** menu, **Import data from the Web**.

### Bring conversion rates / scope rates into Excel Discovery

The same principle applies to rates. Use the following URLs in Excel, **Data** menu, **Import data from the Web**.

**Conversion rates**

```
https://cloud.ctstation.fr/ctsstarlight_discovery/api/star/datasource/CONRATE/alpha?EXCH-PE=2019.12
```

**Scope rates**

```
https://cloud.ctstation.fr/ctsstarlight_discovery/api/star/datasource/SCPRATE/alpha?SCP-PE=2019.12
```

### Query CTS starlight from Excel via Power Query (Web API) Advanced

The CTS starlight Web API lets you automate data retrieval directly in Excel, without going back to the web interface each time. Example: retrieve the consolidated data for scope **GROUP**, fiscal year **2019.12**, version **IFRSYTD**.

1. In Excel, go to **Data** → **Get Data** → **From Other Sources** → **From Web**.
2. Paste the following URL:

```
https://cloud.ctstation.fr/ctsstarlight_discovery/api/star/datasource/COAMOUNT/alpha?CA=A&DP=2019.12
&SC=GROUP&VE=IFRSYTD&CC=EUR
```

3. When Excel asks for the authentication method, choose **Basic** and enter the credentials provided to you for CTS_Discovery access.
4. In the wizard, adjust the column types if needed.

> Going further: these URLs can be built dynamically in Excel, so you can change the fiscal year or scope without editing the query.

## 4 Access metadata (dimensions, natures, entities…)

Each data query relies on technical codes (accounts, entities…). The metadata API lets you retrieve the list of possible values of a dimension, with their labels, to enrich or check your extractions.

Example: retrieve all the values of the **AC** dimension (account) of the **COAMOUNT** data model:

```
https://cloud.ctstation.fr/ctsstarlight_discovery/api/star/datasource/COAMOUNT/model/AC/values
```

This URL is used in exactly the same way in Power Query (**Data** → **From Web**). The result — code, label, and possibly description language — can then be **joined** to your consolidated data table to display readable labels instead of technical codes.

> You can repeat this approach for any other dimension of your model (entity, currency, period…) by replacing `AC` with the code of the desired dimension.

### A question during your tests?

Our support team is here to help you with CTS_Discovery and CTS starlight.

**support@ctstation.fr**