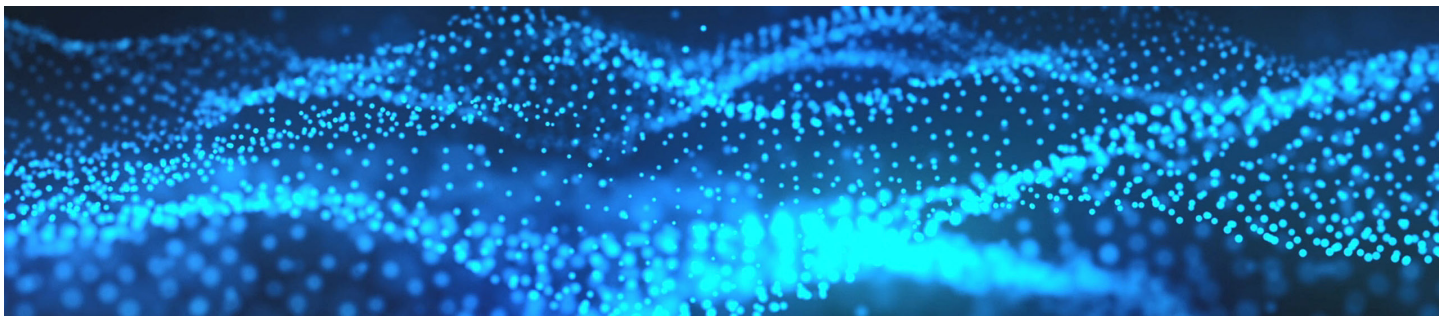


Moody's

Moody's DataHub



Transforming the Data Experience

Moody's DataHub is a cloud-based data delivery platform that combines innovative technology with industry- leading analytic tools to transform the data experience end-to-end. Beginning with your initial data evaluation through to the final data delivery, DataHub reduces the time and resources you need to fuel your decision making.

This experience starts with quality data. DataHub brings together the information you need to inform your business strategies and manage risk, including rich data sets from across Moody's businesses. It covers foundational information such as firmographic data, financials, ratings and assessments, as well as deeper insights into emerging areas of importance including ESG, climate, and real estate.

Not only does the platform provide quick and easy access to Moody's data, but it also offers users access to industry-leading data science tools to analyze and quickly isolate desired data points, capabilities to combine and create unique data feeds, and the flexibility to choose the format, frequency and delivery method you prefer. DataHub puts you in control to select the data you need, how you want it, and when you want it all through a single, centralized platform.

Simplified Data Access

Moody's DataHub

Exchange

Products

Spaces

Exports

Moody's

Harbor...

TCFD Climate Strategy Assessment

Physical Risks Management Assessment

Sustainable Goods and Services

Controversial Activities Screening (CAS)

ESG Indicators

Default and Recovery Database (Sample)

Firmographic

Public Finance Ratings History Weekly

Metrics

Format: csv

Size: 178 GB

Tables: 22

Columns: 396

Rows: 517k

Published: HFSB22

Range: N/A

Update Frequency: Weekly

Last Update: 17JUL22

instrument_attribute

instrument_identifier

instrument_organization

instrument_rating

instrument_root

organization_identifier

organization_ms

51k rows, 7 columns

instrument_id	rating...
805587484	515643
80199037	515643
907560676	515643
800992871	515643
903421740	515643
820203545	515643
80678967	515643
814986285	515643
808360337	515643
80309473	515643

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instrument_rating

instrument_root

organization_identifier

organization_ms

51k rows, 7 columns

Column Name	Description	Data Type
instrument_id	Moody's assigns a unique instrument ID to each debt this file...	int
rating_attribute_type_code	A number used to identify the different types of rating attribut...	int
rating_attribute_type_text	The text used to describe the type of rating attribute. Exampl...	string
effective_date	This is a date field, it represents the date that the alias becam...	timestamp
termination_date	This is a date field, it represents the date that the alias becam...	timestamp
rating_attribute_code	A number that identifies a rating attribute.	int
rating_attribute_text	The text value of a rating attribute. Example: Bankruptcy/Liqui...	string

Close

The DataHub Exchange allows for quick and easy access to data from across Moody's. Here you can preview sample data, explore data glossaries and discover complementary data so you can validate we have the data you need before you buy. Since this evaluation takes place on the platform, there is no need for you to bring the data in-house, saving you and your team valuable time and resources.

Robust Analytics Tools

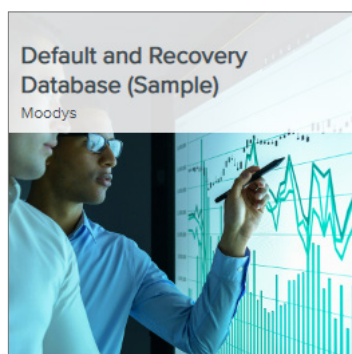
Once you have selected the data you need, our Spaces functionality is where Moody's DataHub stands apart from other platforms. Spaces are secure collaborative environments that easily bring people, tools, data and models together enabling you to work across content boundaries for further data discovery and analysis. Tools include:

- » Apache Superset™
- » Anaconda®
- » Hadoop®
- » Hue
- » Spark™
- » Zeppelin
- » R Studio®

For experienced data users such as data scientists or advanced desktop users with technical expertise, these on-platform tools such as Hadoop, Spark, Anaconda and others are available for you to instantly begin working with the data. Spaces also provides access to common data, code and analytics storage allowing you to build out advanced, multi-language data operations in the cloud without having to worry about impacts to your infrastructure.

Whether you are collaborating across the desk or across geographies, multiple users can join these secure, private Spaces environments to work independently or jointly, as needed, which is especially convenient for remote work models. If you need additional expertise, Moody's data experts can be invited to work with you directly within your Spaces environment.

Data Configured Your Way



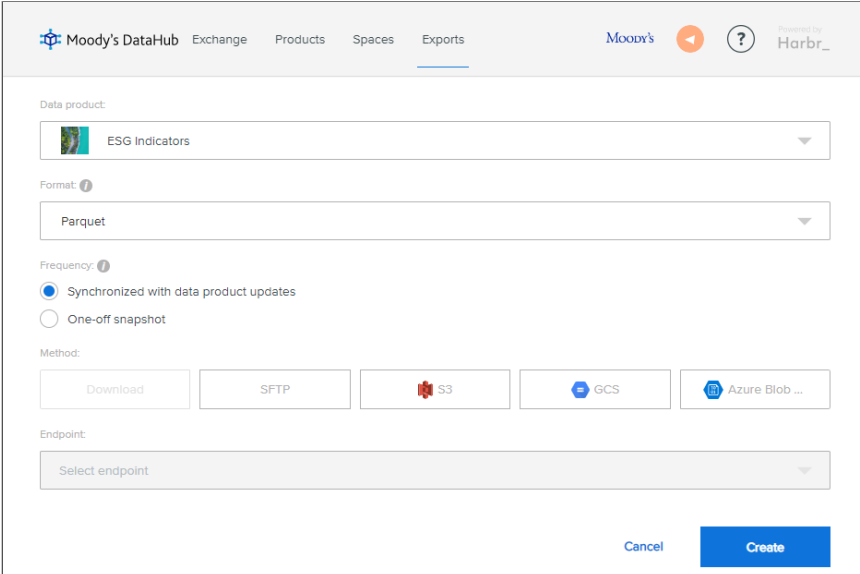
The screenshot shows the Hue web interface. On the left is a sidebar with a file tree for 'db_drd_full_0611123c'. The main area displays a table titled 'govt_domain' with columns: 'govt_domain.mdy_domn_num', 'govt_domain.domn_tpy_cd', 'govt_domain.domn_abbr', and 'govt_domain.domn_r'. The table contains 17 rows of data for various countries.

	govt_domain.mdy_domn_num	govt_domain.domn_tpy_cd	govt_domain.domn_abbr	govt_domain.domn_r
1	1	CTY	ALBIA	ALBANIA
2	2	CTY	ALDY	ALDERNEY
3	3	CTY	ALGR	ALGERIA
4	4	CTY	ANDRA	ANDORRA
5	5	CTY	AR	ARGENTINA
6	6	CTY	ARMNIA	ARMENIA
7	7	CTY	ARUBA	ARUBA
8	8	CTY	ASTRA	AUSTRIA
9	9	CTY	ASTRLA	AUSTRALIA
10	10	CTY	AZERB	AZERBAIJAN
11	11	CTY	BA	BAHAMAS
12	12	CTY	BG	BULGARIA
13	13	CTY	BH	BAHRAIN
14	14	CTY	BHMOS	BAHAMAS - OFF SHOR
15	15	CTY	BHRNOS	BAHRAIN - OFF SHORE
16	16	CTY	BLGM	BELGIUM
17	17	CTY	BLRS	BELARUS

Each project has different data needs requiring unique data solutions which is another reason why the DataHub platform is so valuable. Whether you need large amounts of data or selected data points, use DataHub Spaces to combine and refine Moody's data sets to create unique data products tailored to your specific needs. You can even securely upload your own proprietary content to meet your requirements. Get to the data you need quickly and efficiently by executing custom queries on the platform to segment data, and isolate the data that you are interested in. Once you have data configured the way you want it, save your query for a repeatable execution any time you need it updated automatically or on-demand.

Flexible Delivery

When you are ready to make use of data outside of the platform, DataHub puts you in control of how, when and where to deliver the data. The platform provides several formats to choose how you want the data, frequencies for how often and when we should deliver the data, and end points for where you want us to deliver the data.



The screenshot shows the 'Exports' tab in the Moody's DataHub interface. The top navigation bar includes 'Moody's DataHub', 'Exchange', 'Products', 'Spaces', and 'Exports'. The 'Exports' section is active. The configuration form includes the following fields and options:

- Data product:** A dropdown menu showing 'ESG Indicators'.
- Format:** A dropdown menu showing 'Parquet'.
- Frequency:** Two radio button options: 'Synchronized with data product updates' (selected) and 'One-off snapshot'.
- Method:** Five buttons: 'Download', 'SFTP', 'S3' (with an AWS logo), 'GCS' (with a Google Cloud logo), and 'Azure Blob ...' (with an Azure logo).
- Endpoint:** A dropdown menu showing 'Select endpoint'.
- Buttons:** 'Cancel' and 'Create' buttons at the bottom right.

Get data delivery on your schedule. Simply select the format you want with options including CSV, Parquet, Avro, and ORC. Create a one-off delivery or repeating export based on the update frequency of your data product which can include daily, weekly, monthly, quarterly, semi-annual, or annual updates. Then you can choose from multiple cloud-to-cloud endpoints such as AWS S3, Google Cloud Services, and Azure Blob Storage, SFTP or direct download.

Data Platform Innovation for an Optimal Data Experience

Moody's DataHub streamlines your workflow to get the data you need to fuel your decision-making. It offers a broad range of Moody's data, and flexibility to choose the data you want, when and how you want it. Moody's DataHub is offered to our data customers as a value-added service, and is one of our many innovations designed to improve your end-to-end data experience with us.

For more information on Moody's DataHub capabilities and available data, please visit moodys.com/datahub.