



Technical data sheet for the software application **dataspot.**

i Product information

<i>Short description</i>	dataspot. is a software solution to manage metadata in terms of business and technical metadata (business data model, reference data, data catalog, data lineage, process catalog, data quality, ...). It supports business and IT users with a web-based user interface and comes with a central server installation on premise or on cloud. The dataspot. multi-tenant capabilities allow the management of cross-organizational metadata as well as the efficient collaboration between employees and organizations.
<i>Supplier</i>	dataspot. gmbh, Vienna
<i>Release</i>	V4.0 (as of June 2022)
<i>Support period</i>	Full support by dataspot. gmbh shall be effective throughout the full subscription period and will be halted upon termination of the subscription.
<i>Future improvements</i>	dataspot. is enhanced and updated continuously. Product updates are delivered at no further charge within the subscription fee.

📁 Technical information

<i>Supported operating systems (client)</i>	Any operating system supporting a browser according to the stated browser requirements.
<i>Supported operating systems (server)</i>	A Java VM or a container-based virtualization software has to be runnable. Linux or Docker are recommended. Only runnable on 64-Bit operating systems.
<i>Supported database systems</i>	PostgreSQL version 12+
<i>Hardware requirements (client)</i>	Dual core CPU with 2 GB memory
<i>Hardware requirements (server)</i>	Quad core CPU with 8 GB memory
<i>Sizing requirements (server)</i>	Disk storage according to size of database. Min. 100 GB disk storage is recommended.
<i>Screen</i>	Optimized for resolution of min. 1280 x 800
<i>Browser</i>	Current versions of Chrome, Safari, Microsoft Edge, or Firefox

Inhouse installation (on premise)

Client installation	No installation needed (browser-based client)
Server installation	<ul style="list-style-type: none"> • <u>Option 1: Installation as WAR file in servlet container:</u> The server component is delivered as a Java WAR file (Web Application Archive). The deployment of the WAR file has to be executed in an already installed Java-EE-conform servlet container (e.g. Tomcat). A directory within the filesystem, in which the application database is managed, has to be configured. The servlet container needs write access to the configured directory. The diagram rendering functionality in dataspot. requires the following open source software to be installed: <code>graphviz</code> • <u>Option 2: Installation as Docker container:</u> The server component is delivered with the required Docker configuration to create a container that includes all necessary software packages and pre-defined environment variables. It is recommended to create a separate Docker volume for the database directory.
PostgreSQL installation	<p>In version 3 and later an active instance of PostgreSQL (open source database) is required for running dataspot.</p> <p>Following options are supported to establish the connection between dataspot. and PostgreSQL:</p> <ul style="list-style-type: none"> • <u>Option 1: Exclusive use of PostgreSQL instance by dataspot.</u> (recommended): All PostgreSQL databases are managed by dataspot. (incl. create/drop database, backup and restore). • <u>Option 2: Use of explicit PostgreSQL database by dataspot.</u>: A database/scheme has to be created and shared by the database administrator for the explicit use by dataspot.
Required disk space	<p>Installation as WAR file: approx. 100 MB</p> <p>Installation as Docker container: approx. 600 MB (image size)</p>

Cloud installation (Software as a Service)

Client installation	No installation needed (browser-based client)
Server installation	For „Software as a Service“ (SaaS) dataspot. is hosted on a cloud server. Installation and configuration are performed by dataspot. The one-time setup costs are charged individually to the client. Recurring hosting cost will be direct matter between hosting provider and client.

Operations

<i>Backup</i>	Backup and restore of the database can be managed via the browser-based administration console. The functionality includes: creation, deletion, backup, and restore of the dataspot. databases. Regular backups (e.g. daily) can be established by server configuration.
<i>Version upgrade</i>	Upgrades are managed by deploying the latest WAR files and restarting the application server or by starting the updated Docker container respectively. There are no explicit migration activities.
<i>Data migration</i>	Migration of data follows the agile principle of „ <i>Evolutionary Database Design</i> “, i.e. both the database scheme and the data are verified on server start and are brought up-to-date and are migrated automatically as necessary.

User administration

<i>User administration</i>	dataspot. distinguishes between active (write access) and read-only users. The software has a user administration panel where users active in the data excellence organization are managed. The software can be configured so that users with read-only access do not have to be explicitly created and managed by the user administration.
<i>Authorization, Role</i>	The software has a role-based authorization system where a role is assigned to every active user. The role determines the functional authorization.
<i>Authentication</i>	dataspot. has a built-in authentication system to manage user names, passwords, and assignment of roles. To implement <i>single sign-on</i> (for example using a <i>reverse proxy</i>) the software can be configured to allow external authentication and to read the respective information from the HTTP header. Alternatively, authentication by <i>same sign-in</i> using a central <i>directory server</i> (for example LDAP) is also supported.

Data formats, data export and import

<i>Data format</i>	dataspot. uses PostgreSQL to store metadata. If needed (e.g. termination of subscription, mirroring of metadata), all metadata can be read via PostgreSQL client.
<i>Metadata Upload</i>	Interfaces for metadata import are implemented for all models and support the following formats: <ul style="list-style-type: none"> • Microsoft Excel • CSV • XML • JSON • SQL/DDDL
<i>Metadata Download</i>	Interfaces for metadata export are implemented for all models and support the following formats: <ul style="list-style-type: none"> • Microsoft Excel • Adobe PDF • CSV • XML • JSON • XMI (UML) • SQL/DDDL
<i>Metadata REST/API</i>	REST conform application programming interfaces (APIs) for direct read and write access to metadata objects in the following formats: <ul style="list-style-type: none"> • JSON
<i>Metadata SQL Views</i>	Read-only SQL views (PostgreSQL) of the stored metadata corresponding to the structure of the dataspot. meta class model.
<i>Metadata Connectors</i>	Programs that connect to external data sources and extract and transfer relevant metadata to dataspot.: <ul style="list-style-type: none"> • JdbcMetadataConnector
<i>Data security</i>	dataspot. does not collect or transfer any customer behavior data or transaction logs. In case of an error, the error log can be transmitted for quicker problem resolution only after explicit consent by the affected user.

Licensing

<i>License model</i>	<p>dataspot. is offered based on a subscription plan with a monthly subscription fee. The minimum term is 6 months and can thereafter be terminated monthly. After termination the software has to be removed from all servers.</p> <p>dataspot. offers access for read-only users at no additional cost. Only active roles are considered in the subscription fee, which is calculated based on company size and number of employees total.</p> <p>dataspot. gmbh reserves the right to establish a license model based on concurrent users.</p>
<i>Software activation</i>	<p>At present there is no activation mechanism that verifies the validity of the license.</p> <p>dataspot. gmbh reserves the right to establish such a mechanism.</p>

Contact and other information

<i>Further product information</i>	www.dataspot.at/software
<i>Copyright</i>	dataspot. and all its content are protected by copyright.
<i>Trademark protection</i>	dataspot. is a registered trademark within the EU.
<i>Terms & conditions</i>	The last valid version of the general terms and conditions of dataspot. gmbh apply in each case.