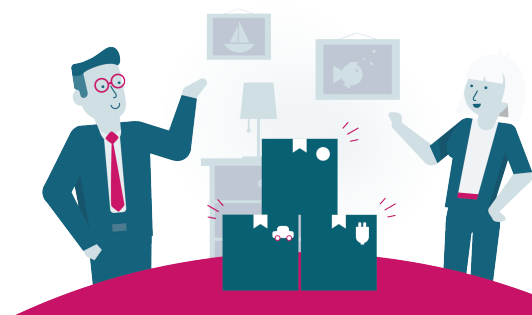


## Technical data sheet for the software application **dataspot.**



### **i** Product information

<i>Short description</i>	<b>dataspot.</b> is a software solution to manage metadata in terms of business, technical and organizational metadata (business data model, reference data, data catalog, data lineage, processing directory, data quality, projects, organization, ...). 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 <b>dataspot.</b> multi-tenant capabilities allow the management of cross-organizational metadata as well as the efficient collaboration between employees and organizations. Configurable workflows support the data governance collaboration.
<i>Supplier</i>	<b>dataspot.</b> gmbh, Vienna
<i>Release</i>	v4.4 (as of February 2024)
<i>Future improvements</i>	<b>dataspot.</b> 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

<b>Client installation</b>	No installation needed (browser-based client)
<b>Server installation</b>	<ul style="list-style-type: none"> <li>▪ <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).</li> <li>▪ <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. <b>dataspot.</b> provides the docker image within a <b>dataspot.</b> hosted container registry.</li> </ul>
<b>PostgreSQL installation</b>	<p>An active instance of PostgreSQL (open source database) is required for running <b>dataspot.</b></p> <p>Following options are supported to establish the connection between <b>dataspot.</b> and PostgreSQL:</p> <ul style="list-style-type: none"> <li>▪ <u>Option 1: Exclusive use of PostgreSQL instance by <b>dataspot.</b></u> (recommended): All PostgreSQL databases are managed by <b>dataspot.</b> (incl. create/drop database, backup and restore).</li> <li>▪ <u>Option 2: Use of explicit PostgreSQL database by <b>dataspot.</b></u>: A database/scheme has to be created and shared by the database administrator for the explicit use by <b>dataspot.</b></li> </ul>
<b>Required disk space</b>	<p>Installation as WAR file: approx. 400 MB</p> <p>Installation as Docker container: approx. 1GB (image size)</p>

## Cloud installation (Software as a Service)

<b>Client installation</b>	No installation needed (browser-based client)
<b>Server installation</b>	For „Software as a Service“ (SaaS) <b>dataspot.</b> is hosted on a cloud server. Installation and configuration are performed by <b>dataspot.</b>

<b>Backup</b>	Backup and restore of databases can be managed via the browser-based admin console. The functionality includes the creation, deletion, backup, and restore of the <b>dataspot</b> . databases. Regular backups (e.g. daily) can be established by server configuration.
<b>Version upgrade</b>	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.
<b>Data migration</b>	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**

<b>User administration</b>	<p><b>dataspot</b> . distinguishes between active (write access), read-only and administrative users. The software has a user administration panel where users active in the data excellence organization are managed.</p> <p>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.</p>
<b>Authorization, Role</b>	The software has a role-based authorization system where a role is assigned to every active user. The role and workflow determines the functional authorization.
<b>Authentication</b>	<p>Any access to the application must be authenticated to verify the identity of the user. The following authentication methods are supported:</p> <ul style="list-style-type: none"> <li>▪ The identity is verified using the login IDs and passwords managed in the application.</li> <li>▪ The pre-authentication (<b>single sign-on</b>) verifies the user's identity outside the application (e.g. on a reverse proxy) and sends the login ID to the server in an HTTP header attribute.</li> <li>▪ The login ID and password are verified (<b>same sign-in</b>) in an external directory service (e.g. LDAP).</li> <li>▪ The authentication uses <b>OpenID Connect</b> to verify the identity in an external identity provider (e.g. Microsoft Entra ID). The credentials are sent to the server as a signed JSON Web Token (JWT)</li> </ul>

## Data formats, data export and import

<i>Data format</i>	<b>dataspot.</b> 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"> <li>▪ Microsoft Excel</li> <li>▪ CSV</li> <li>▪ XML</li> <li>▪ JSON</li> <li>▪ XSD (XML Schema Definition)</li> <li>▪ JSON Schema</li> <li>▪ SQL/DDDL</li> </ul>
<i>Metadata Download</i>	Interfaces for metadata export are implemented for all models and support the following formats: <ul style="list-style-type: none"> <li>▪ Microsoft Excel</li> <li>▪ Adobe PDF</li> <li>▪ CSV</li> <li>▪ XML</li> <li>▪ JSON</li> <li>▪ XMI (UML)</li> <li>▪ SQL/DDDL</li> </ul>
<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"> <li>▪ JSON</li> </ul>
<i>Metadata SQL Views</i>	Read-only SQL views (PostgreSQL) of the stored metadata corresponding to the structure of the <b>dataspot.</b> meta class model.
<i>Metadata Connectors</i>	Programs that connect to external data sources and extract and transfer relevant metadata to <b>dataspot.</b> : <ul style="list-style-type: none"> <li>▪ JdbcMetadataConnector</li> </ul>

<i>License model</i>	<p><b>dataspot.</b> is offered based on a subscription plan with a monthly subscription fee. The minimum term is 6 months and can thereafter be terminated quarterly. After termination the software has to be removed from all servers.</p> <p><b>dataspot.</b> 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><b>dataspot.</b> 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><b>dataspot.</b> gmbh reserves the right to establish such a mechanism.</p>

 **Contact and other information**

<i>Further product information</i>	<a href="https://www.dataspot.at/portfolio/metadatenmanagement-software/">https://www.dataspot.at/portfolio/metadatenmanagement-software/</a>
<i>Copyright</i>	The software <b>dataspot.</b> is protected by copyright.
<i>Trademark protection</i>	<b>dataspot.</b> is a registered trademark within the EU.
<i>Terms &amp; conditions</i>	The last valid version of the general terms and conditions of <b>dataspot.</b> gmbh apply in each case.