Release Notes

1datagateway

1Data Gateway

Version 2.8.1

05 January 2023

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1 Introduction

1.1 Scope

The release notes detail the enhancements, changes and corrections introduced by this release. They also document any known issues or limitations in the product and any administrative instructions that are specific to this release and not recorded elsewhere.

1.2 Purpose of Release

This is a point release of 1Data Gateway to fix a bug that affects the schema mapping process when specific classes are selected in an Open Data task within 1Integrate, along with a few minor ones.

1.3 System Requirements

1Data Gateway requires access to an existing 1Integrate installation. 1Data Gateway utilises 1Integrate's REST API and may be installed on the same machine or separately, provided it has access to 1Integrate over TCP.

1.3.1 1Integrate

The version of 1Integrate that it has been tested against is listed below

1Integrate Version	1Integrate Operating System
1Integrate 3.4.x	Any supported by 1Integrate (Windows or Linux)

1.3.2 Operating Systems

This version of 1Data Gateway has been tested on the following platforms:

Data Gateway Supported Operating System
Windows Server 2016-2019
Windows 10
Linux 64 bit

1.3.3 Java JDK

1Data gateway runs on a Java Virtual Machine and has been tested with: Oracle and Adopt JDK 11 (64-bit)

1.3.4   Database

To store its internal data, 1Data Gateway requires one of the following databases to be accessible through TCP locally or over the network. It also needs a user role and a database to be created prior to the installation as explained in section 4.

- PostgreSQL 12.4/12.6
- Oracle 12.2 or later
- SQL Server 2016 or later

1.3.5   Web Browsers

This product works with most of the recent versions of Chrome, Firefox and Edge. The specific versions that have been tested for this release are:

Browser
Microsoft Edge 108
Google Chrome 108
Mozilla Firefox 102

Other browsers or versions can be used, but support requests will only be progressed if the issue can be replicated on a supported browser.

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2 Release details

2.1 New functionality in release 2.8.0

- Password strength configuration

- Account lock-out after repeated failed login attempts

- Datastore parameter override

- Hide 0-processed rows in PDF report

- Audit account events

2.2 Bugs fixed in this release

Ticket	Affects	Fixed in	Description
DG-1833	2.6-2.8	2.8.1	When editing a mapping, datastore is reset when clicking on "Save"
DG-2290	2.0-2.8	2.8.1	Error cloning a session with predefined class selection
DG-2295	2.8	2.8.1	Password requirement numeric fields can be set negative
DG-2307	2.6-2.8	2.8.1	"parse error" when viewing saved mapping

3 Upgrade from a previous version

These are considerations when upgrading from a previous version:

- Upgrades are only available from versions 2.0.0 and above
- The email server configuration parameters that, in versions previous to 2.2.0 were set in the configuration file application.yml, are now configured through the user interface. The settings in the configuration file are not automatically migrated to the database so they must be reconfigured through the "Mail" screen under the "System" section
- A backup of the database is recommended before upgrade
- On Windows systems, the upgrade from version 2.2.0 or above can be done by just executing the installer of the new version without the need to uninstall the previous version
- On Linux some parameters must remain in the application.yml file as shown in the example below:

```
# Sample configuration for standalone deployment
spring:
  datasource:
    url: jdbc:postgresql:datagateway
    username: datagateway
    password: password

app:
  mediaManager:
    mediaRoot: 'media/'

server:
  port: 80
```

4 Linux installation procedure

1Data Gateway does not have an installer for the Linux Operating System.

The jar file signature can be verified following the following procedure:
https://docs.oracle.com/javase/tutorial/deployment/jar/verify.html

For the installation on this OS, the following steps must be followed when using PostgreSQL (other databases will have a different procedure, please consult the db documentation):

1. Create a role in PostgreSQL called datagateway[1]:

   ```
   CREATE USER datagateway PASSWORD 'datagateway';
   ```

2. Create a database called datagateway:

   ```
   CREATE DATABASE datagateway WITH OWNER = datagateway;
   ```

3. Un-compress the file 1Data_Gateway_2.3.0.zip in a folder on the computer

4. Edit the file application.yml to modify the default configuration parameters. The sections to edit are:

Section	Function
datasource	connection details for PostgreSQL database
mediaManager	location to store the uploaded files
server	HTTP(S) server port

5. Execute 1datagateway.sh

6. Log in into 1Data Gateway with the user admin@1spatial.com and password admin1

7. In the Users section, this admin user's email and name can be changed, and in the My Account section the password can be changed

8. To run 1Data Gateway as a service, follow the instructions to start an application as a service for your particular Linux distribution.

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[1] Note that the database name, username and password may be different that those suggested as long as they are changed accordingly in the configuration file

5 Documentation and Administration

Documentation for users and administrators is available on the website in the address https://1spatial.com/documentation/1datagateway/.

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6 1Spatial Product Assistance

If assistance is required while deploying this release, contact either your Distributor or 1Spatial Support.

To contact 1Spatial Support, please visit our website: http://www.1spatial.com/services/support

Maximise the value of this release with 1Spatial training courses. For training enquiries please contact your Account Manager or email training@1spatial.com