May 27th, 2020
(Rescheduled to August 24ᵗʰ, 2020)

To Our Valued Customer;

SAISON INFORMATION SYSTEMS Co., Ltd.

Customer Service Center

Information Regarding the DataSpider Servista Patch Release Due to the Discontinuance of Google Sheets API v3

We value the trust you have put in our technical support service and would like to appreciate for your continued support.

We would like to inform you about the release of a patch module for DataSpider Servista's Google Spreadsheet Adapter due to the discontinuation of the Google Sheets API v3.
If you are using the Google Spreadsheet Adapter or considering using it in the future, please read the following instructions before applying the patch module.

1. Applicable Products and Versions
- DataSpider Servista Advanced Server Package 2.4.6 or later versions
- DataSpider Servista Basic Server Package 2.4.6 or later versions
- DataSpider Servista Select 2.4.6 or later versions
- DataSpider Servista with Software Protection 3.0 SP2 or later versions

2. Range of Impact
- Google Spreadsheet Adapter

3. Impact Description
Google has announced the discontinuation of Google Sheets API v3. The current Google Spreadsheet Adapter uses the Google Sheets API v3, so the adapter will no longer be available after the discontinuation.

4. Future Support
4 - 1． Support Description
We will be releasing a patch module for the new API version (Google Sheets API v4).

- DataSpider Servista 4.1
- DataSpider Servista 4.0
   Release Date：September 3ʳᵈ, 2020

－ DataSpider Servista 4.2
　※Released on August 5th,2020.

4‑2．Provided Versions
We will provide a standalone patch for the following DataSpider Servista versions of the latest SP:

- DataSpider Servista 4.2
- DataSpider Servista 4.1
- DataSpider Servista 4.0

4‑3．Request
If you are using the Google Spreadsheet Adapter, please be sure to apply the patch module before Google Sheets API v3 is discontinued (※).

※Google has announced that it will no longer be offering the Sheets API v3 at the end of September 2020.
(As of May 14th , 2020).
URL:https://gsuiteupdates.googleblog.com/2020/02/sheets-api-migration-update.html

For information on how to apply the patch module, please refer to the README included with the standalone patch. The standalone patch can be downloaded from myHULFT after the release.

If you are using the DataSpider Servista 4.0 or earlier versions, please upgrade to the version that provides the patch and apply the SP and standalone patch.
If you have any questions about DataSpider Servista with Software Protection, please contact us.

If you are a customer using the trial version, fill out the necessary information and contact us at the following address:
Contact Address：hultest@hulft.com
◆Required Information
- Customer ID
- Serial No.

5. **Notice (Specification changes due to patch module)**
Due to the switch to Google Sheets API v4, there is a specification change in the writing process's behaviors. For details, please refer to the next page, "7. Description of

Specification Changes"

6. Contact Information for this Information

Please contact your technical support service contractor.

7. Description of Specification Changes

Due to changes in the Google Sheets API, the following function of the Google Spreadsheet Adapter is incompatible. Please check and consider modifying the script if necessary.

■Function

Writing Process

■Post-patch Limitations on Specifications

Once the data is converted into a string, it is written in the same way as if it were entered from a browser.

- When writing numbers, dates, times, etc., please convert them to the format displayed in the "Formula" field of the Google Spreadsheet when selecting the target cell.
- Even strings other than those shown in the "Formula" field may be written as numbers or date/time data.
- When writing data in currency format, you must use the Unicode "U+00A5" for the circle symbol.

For more information, please refer to the "USER_ENTERED" section of the following URL.
https://developers.google.com/sheets/api/reference/rest/v4/ValueInputOption

Following the above, depending on the settings of the cell display format, the value of the written data will be different before and after the patch is applied when writing data by overwriting.

■Affected Display Formats

Number / Percent / Date / Time / Date and Time / Elapsed Time

※The following display formats are unaffected
Indexes / Accounting / Currency / Currency (fractions rounded down)

■Examples of behavior that will change (verified as of July 2020)

(1)Number

The value to be overwritten is written as it is, and if the value is not intended to be written after the decimal point, it is written without a decimal point.

【e.g.】

The original data written in the cell	1.00
Value to be overwritten	2
The value of the overwritten cell before the patch was applied	2.00
The value of the overwritten cell after the patch was applied	2

※ If you write data containing a "%", the "%" is retained.

(2)Percent

The value to be overwritten is written as it is, and if you do not intend to write after the decimal point, it is written without a decimal point. Also, the character "%" is not added.

【e.g.】

The original data written in the cell	100.00%
Value to be overwritten	2
The value of the overwritten cell before the patch was applied	200.00%
The value of the overwritten cell after the patch was applied	2

(3)Date

If you overwrite a value that is not in date format, the value to be overwritten is written as it is, and it is written in a non-date format.

【e.g.】

The original data written in the cell	1899/12/31
Value to be overwritten	2
The value of the overwritten cell before the patch was applied	1900/1/1
The value of the overwritten cell after the patch was applied	2

※ If you write date format data containing a "/," the date is retained.

(4)Time

If a non-time value is overwritten, the value to be overwritten is written as it is, and the value is written in a non-time format.

【e.g.】

The original data written in the cell	0:00:00
Value to be overwritten	2
The value of the overwritten cell before the patch was applied	0:00:00

The value of the overwritten cell after the patch was applied	2

※ If time format data containing a ":" is written, the time is preserved.

(5)Date and Time

If you overwrite a value that is not in date/time format, the value to be overwritten is written as it is and is not in date/time format.

【e.g.】

The original data written in the cell	1899/12/31 0:00:00
Value to be overwritten	2
The value of the overwritten cell before the patch was applied	1900/1/1 0:00:00
The value of the overwritten cell after the patch was applied	2

※ If you write date/time format data containing "/" and ":" the date/time is preserved.

(6)Elapsed Time

If a non-time value is overwritten, the value to be overwritten is written as it is, and the value is written in a non-time format.

【e.g.】

The original data written in the cell	24:00:00
Value to be overwritten	2
The value of the overwritten cell before the patch was applied	48:00:00
The value of the overwritten cell after the patch was applied	2

※ If time format data containing a ":" is written, the time is preserved.

【Notice】

The above examples are as of July 2020 and may be subject to change in the future due to changes in API behavior.

End

【Revision History】

May 27th, 2020	First edition created
July 27th, 2020	4. Future Support 4 – 1. Scheduled release date is listed in the Support Description 5. Notice (Specification changes due to patch module)
July 30th, 2020	7. Listed Description of Specification Changes Some text expression improvements. Fixed errors in the revision history.
August 24th, 2020	4. Future Support 4 - 1. Release date is listed in the Support Description.