

# 1Data Gateway

## Quickstart Guide

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1Spatial  
Tennyson House  
Cambridge Business Park  
Cambridge  
CB4 0WZ  
United Kingdom

**Phone:** +44 (0)1223 420414

**Fax:** +44 (0)1223 420044

**Web:** [www.1spatial.com](http://www.1spatial.com)

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# Contents

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<b>1 Introduction</b> .....	<b>4</b>
1Data Gateway .....	4
Key Terms .....	4
User Types .....	5
<b>2 Start Submission</b> .....	<b>6</b>
<b>3 Mapping Data</b> .....	<b>7</b>
<b>4 Process Submissions</b> .....	<b>9</b>
Submission Error .....	10
<b>5 Submission Results</b> .....	<b>11</b>

# 1 Introduction

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This guide explains how to get started when submitting work to 1Data Gateway.

The procedures contained within this document apply to both Windows and Linux environments, unless specifically indicated.

For more information about new features and changes in this release, and hardware and software requirements, refer to the *1Data Gateway Release Notes*.

## 1Data Gateway

1Data Gateway is a self-service web portal that uses 1Integrate's rules engine for validation and enhancement processes between internal and external users.

Data uploaded to 1Data Gateway goes through a series of data validation rules. If there are issues found, you can download those results, giving you the opportunity to address any issues.

Once the data has been cleaned, if necessary you can resubmit to 1Data Gateway.

If the quality meets conformance standards for the validation rules, 1Data Gateway can be configured to deliver clean data automatically to the server, essentially automating the data supply chain.

## Key Terms

The following terminology will be important for users of 1Data Gateway

**Assignment:** Package of work that a User has been assigned.

**Specification:** In a Project, a Specification defines the data and workflow required from a supplier. The Specification is where a project is configured, including which session template is used, and where Users are assigned to the Project.

**Submission:** Work uploaded to 1Data Gateway

**Suppliers:** Groups of Users that can be assigned to a project.

**User:** Users are registered with a name and email address. There are two primary types of Users, Data Contributors/Suppliers and Receivers/Administrators, with different levels of permissions.

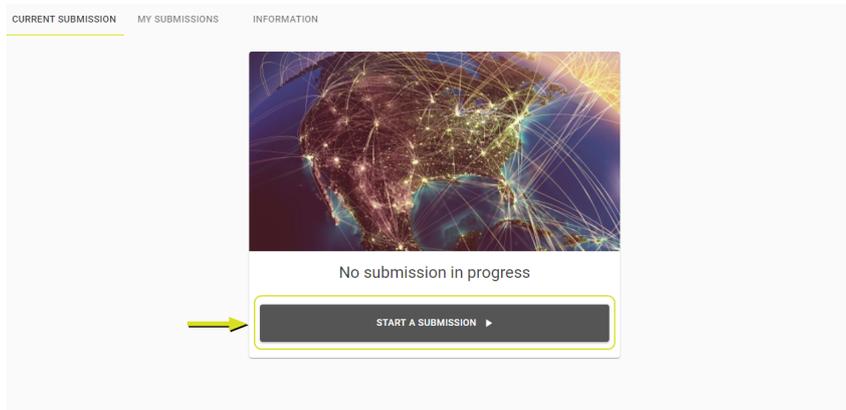
## User Types

Role	Description
Supplier	A supplier is a standard user of 1Data Gateway. A Supplier can only see packages of work they have been assigned to and can only view statistics for their own submissions
Supplier Supervisor	A Supplier Supervisor can see all statistics from suppliers within their Supplier Organisation (for more, see Suppliers). A Supplier Supervisor also has some administrative capabilities over the Suppliers in their organisation.
Receiver	A Receiver will be able to view, download and configure submissions for projects.
Site Administrator	The Site Administrator role has access to all administrative capabilities.

# 2 Start Submission

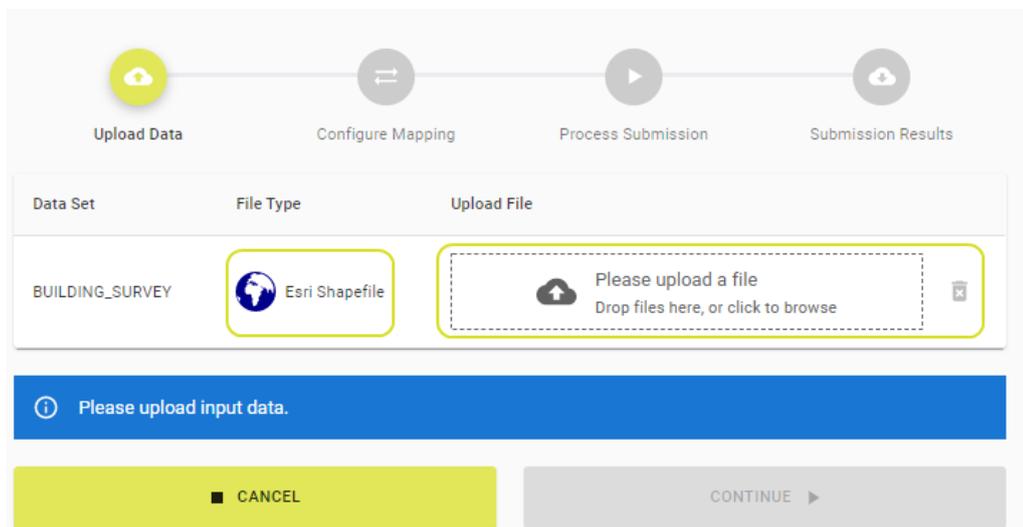
To begin submitting to an Assignment you must:

1. Select an assignment, followed by Start a Submission.



2. Drag and drop your desired files to the box, or click to open a file system browser.

**Note:** Depending on the configuration you may need to upload multiple files. Certain specifications may not request a data upload at all.



3. Once the files are ready for upload, click continue to go to the next step in the workflow.

# 3 Mapping Data

Once you have uploaded data you may have the option to Configure Mapping. 1Data Gateway will initially attempt to map each field with values in the source data. If it succeeds you will see:

✓ All classes and attributes mapped.

You can review the mapping by selecting **Review Mapping**.

## Review Mapping:

Source Class	Source Attribute	Target Class	Target Attribute
BUILDING	AREA	BUILDING	AREA
	AREA_1		AREA_1
	DATE_UPDAT		DATE_UPDAT
	ELEV		ELEV
	FCODE		FCODE
	ID		ID
	LEN		LEN
	PERIMETER		PERIMETER
	SOURCE		SOURCE
	TYPE		TYPE

There are two drop down options here:

- ▶ **Source Class/Target Class:** Selecting a Source Class will change the Target class and show the Attributes for the class. You can select the Target Class to change which class the Source will map to.
- ▶ **Source Attribute/Target Attribute:** Select the attributes in the right hand column to select or change attribute you wish to map your input to.

**Note:** For some Assignments, not all attributes will need to be mapped. You will receive a warning if there are unmapped attributes, but in the case where unmapped attributes is permitted, 1Data Gateway will let you proceed with the submission process. However, you may see some invalid features as part of the results if certain attributes used during the validation process are not mapped.

## Manage Schema Mappings :

### Manage Schema Mappings

	Natural Mapping (100.00% mapped)	<input type="button" value="APPLY"/>
	Predefined Mapping (100.00% mapped)	<input type="button" value="APPLY"/>

As well as the default mapping behaviour, you may save up to 5 schema mappings for this assignment. The best fitting schema mapping will be applied automatically when you start a submission.

You can select a mapping option using Manage Schema Mapping:

- ▶ **Natural Mapping:** 1Data Gateway will automatically create mappings based on source and target class/attribute names.
- ▶ **Predefined Mapping:** if mapping has already been defined by and Administrator during the set-up of the specification.

You can save up to five of your mapping configurations to use in later submissions.

Once schema mapping is complete, click the process submission button at the bottom of the page to begin the Process Submission.

# 4 Process Submissions

Once you have passed the Mapping Data stage you will be able to track the progress of your Submission.

As each task is completed you can select it to expand and see a more detailed summary of actions being carried out.

The current submission has 6 tasks  
Current status: RUNNING

Duration: 00:02:12 | Processed 5 of 6 tasks | EXPORT RESULTS

Open Data Finished

Class	Features	Errors
ARTIFICIAL	1385 features processed	0
BUILDING	719 features processed	0
INTEGRATION	1 features processed	0
OUTPUT	791040 features processed	0
VEGETATION	205 features processed	0
WATER_POLY	9 features processed	0
WAY_POLY	90 features processed	0

Apply Action Map | 0 / 8 features valid (0.00%)

Figure 4-1: An expanded task

Once the upload has finished processing, you have the option to:

- ▶ Export Results
- ▶ If the data is spatial, you can view the results on a map.
- ▶ Select Cancel to exit, or Finish to complete the Submission. This will take you to a summary screen for the submission, for more see Submission Results.

## During a Submission:

While the Submission is processing, you are able to navigate away from the Current Submission tab.

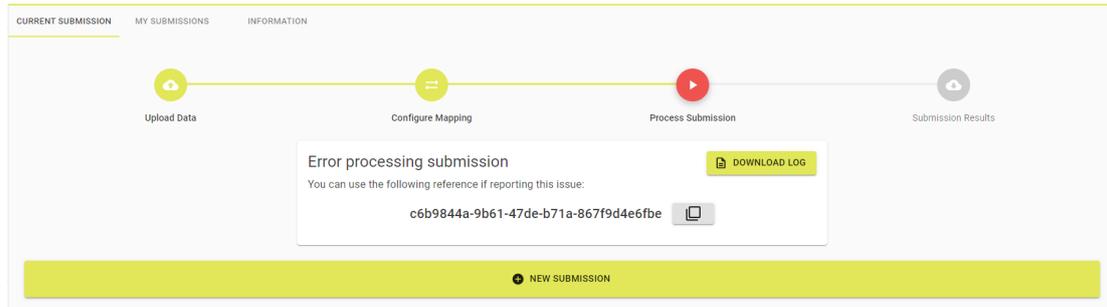
To check the progress of the Submission click the bar graph icon in the top right of the interface. Depending on the status of your Submission you will see the following icons:

- ▶  A submission with an orange clockface is waiting on user input.
- ▶  The running figure indicates that the submission is still processing.
- ▶  The red exclamation mark indicates an error during submission.
- ▶  A green check mark indicates that results are ready to review.

To quickly return to the Current Submission, click on the Submission of interest.

## Submission Error

If there is a problem during your submission you can download an error log and copy a support reference.



Select **New Submission** to begin submitting to the assignment again.

# 5 Submission Results

When a Submission has finished successfully, a summary page shows details for review.

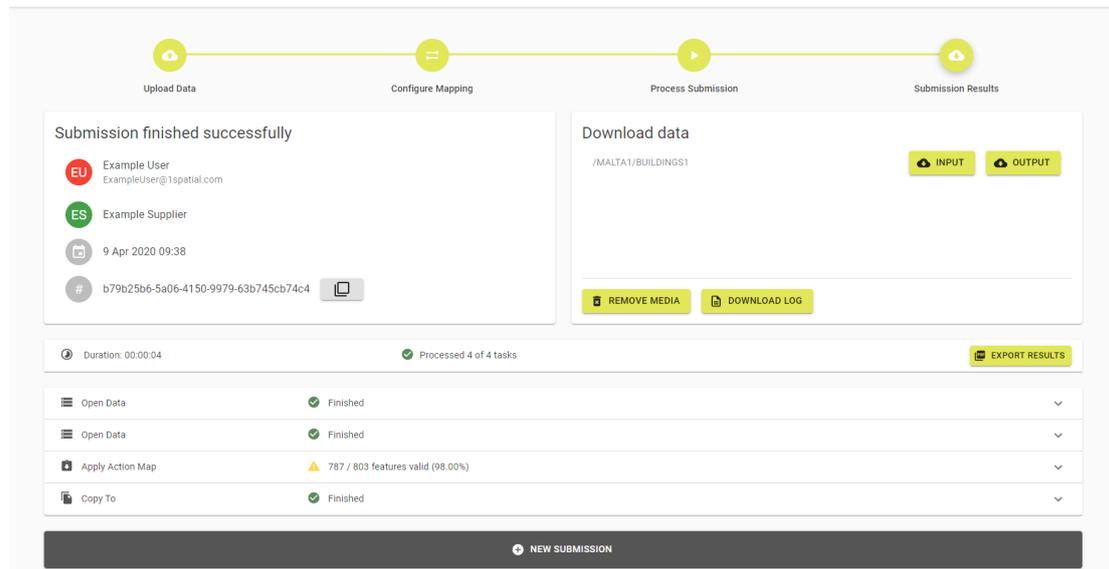


Figure 5-1: The Submission summary screen as visible by an admin account

As well as a task by task summary of the submission, the following information is available:

## Submission finished successfully:

This section gives information about the submitter and time of submission.

The string with a copy symbol is for support purposes and can be used if you need to contact your site owner e.g:



## Download data:

From Download data you can:

- ▶ Download the input and output of each datastore.
- ▶ Administrators can also opt to remove Media, stopping future downloads of the data by Users.
- ▶ Administrators can download a log of the Submission for troubleshooting and further information.

## Export Results:

Clicking export results will download a PDF document with a summary of each task, including attribute names, results of rules or actions and the number of errors.

Confidential Information datagateway

### Philly - Building Check

Submission rejected - 5/6 tasks complete

Supplier: 1spatial  
Submitted by: Admin (admin@1spatial.com)  
Submitted on: 2 Mar 2021 10:32

**Open Data - Finished**

Class	Features	Errors
BUILDING	5845 features processed	0
CURBLINE	1811 features processed	0
FIRE_STATION	6 features processed	0
POLITICALWARD	11 features processed	0
ROAD	3882 features processed	0
ZONING	2693 features processed	0

**Check Rules - 5444 / 5845 features valid**  
Failed - 93.13% / 100% required

Rule	Result	Errors
Building FC Check	5444 / 5845 features valid (93.13%)	0

**Apply Action Map - 1735 / 1811 features valid**  
Failed - 95.8% / 100% required

Rule	Action	Result	Errors
Building FC Check	Curblin error	76 non-conformances	0

**Apply Action Map - 5444 / 5845 features valid**  
Failed - 93.13% / 100% required

Rule	Action	Result	Errors
Building FC Check	Building error	401 non-conformances	0

**Check Rules - 4408 / 4510 features valid**  
Failed - 97.73% / 100% required

Rule	Result	Errors
Curblin 1.0	1735 / 1811 features valid (95.82%)	0
Firestation Department Check	4 / 6 features valid (66.66%)	0
Zoning Check	2669 / 2693 features valid (99.10%)	0

1 / 1

2 Mar 2021 10:33

Figure 5-2: An example results PDF



### Note:

Once you have submitted an assignment and left the summary page, it is possible to view the summary again by navigating to the Submissions tab. From here, select the Assignment you'd like to view.

The screenshot shows the 'My Assignments' page in the Data Gateway. The top navigation bar includes '1Data Gateway' and 'My Assignments'. The main content area is titled 'Philly - Building Check' and shows a submission rejected. Below this, there is a 'Download data' section with 'INPUT' and 'OUTPUT' buttons. A 'Submission rejected' section shows details for the submission, including the user 'Admin' and the submission date '2 Mar 2021 10:32'. A 'Processing time: 00:00:08' and 'Processed 5 of 6 tasks' indicator is visible. The main table lists the following tasks:

Task	Status	Details
Open Data	Finished	
Check Rules	Rejected	5444 / 5845 features valid, 93.13% / 100% required
Apply Action Map	Rejected	1735 / 1811 features valid, 95.8% / 100% required
Apply Action Map	Rejected	5444 / 5845 features valid, 93.13% / 100% required
Check Rules	Rejected	4408 / 4510 features valid, 97.73% / 100% required
Pause	Paused	