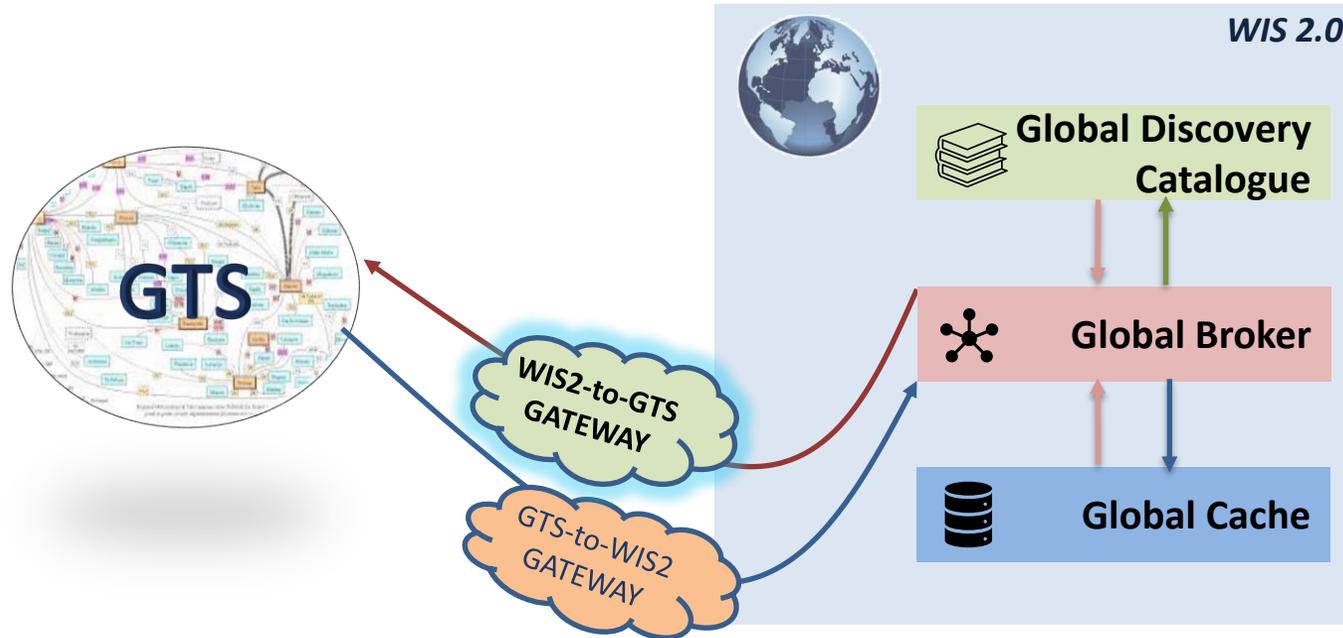


Adding GTS headers to WIS2 notifications using wis2box

Reminder: Transition from GTS to WIS2.0



2023

2024

2025

WE
ARE
HERE

2033

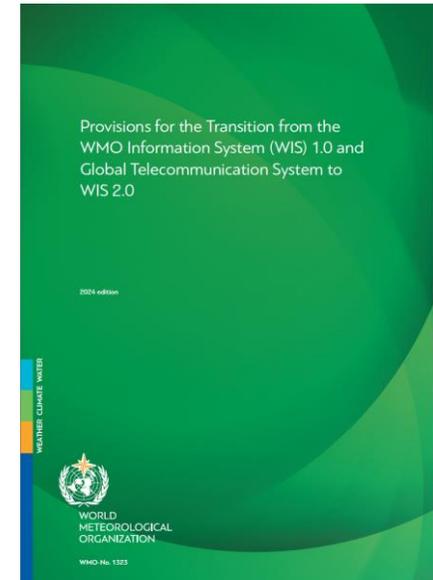
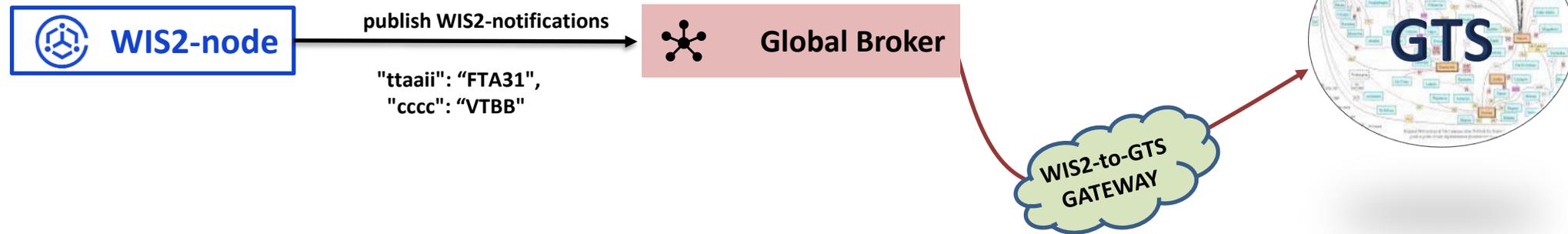
WIS 2.0 Pilot phase

Pre-operational phase

Transition period: the WIS2-to-GTS and GTS-to-WIS2 gateways ensure data is available in both GTS and WIS2

Stop GTS

Reminder: WIS2-to-GTS gateway



Purpose of WIS2 to GTS gateway

The purpose of this gateway is to enable GTS members who have not yet migrated to WIS2 to continue to receive GTS data from GTS members who have migrated to WIS2 and stopped their GTS systems.

Note: Only data that have been already published in GTS are concerned by this gateway, New data will be available **only** on WIS2.

To enable the WIS2-to-GTS Gateway to republish data on the GTS, WIS2-nodes are required to add additional information in the message properties:

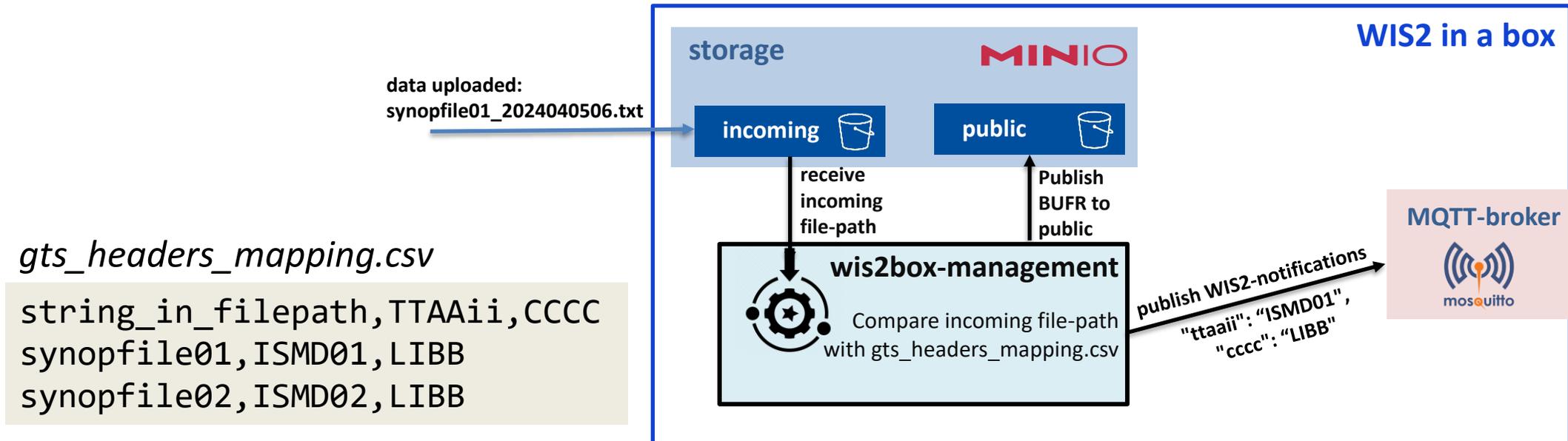
```
"properties": {  
  "gts": {  
    "ttaaii": "FTA31",  
    "cccc": "VTBB"  
  }  
}
```

WIS2 Data Publishers adding GTS headers to their WIS2-notifications can stop the transmission of this data on GTS

Adding GTS properties using wis2box

wis2box can use a CSV file to map GTS properties to incoming filenames

The CSV file should be named *gts_headers_mapping.csv* and placed in the directory defined by the WIS2BOX_HOST_DATADIR environment variable



wis2box will NOT add GTS headers to the WIS2 Notification Message if:

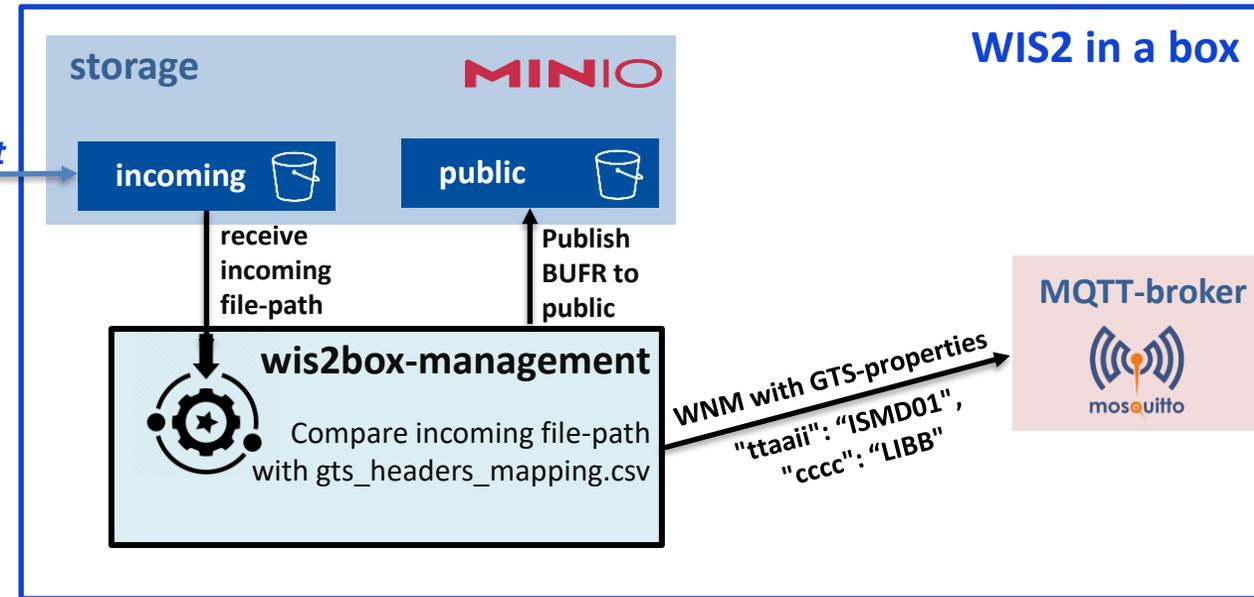
- *gts_headers_mapping.csv* file is not present in **WIS2BOX_HOST_DATADIR** environment variable
- *gts_headers_mapping.csv* file is present but the incoming filepath did not contain any of 'string_in_filepath' specified

Adding GTS headers using wis2box

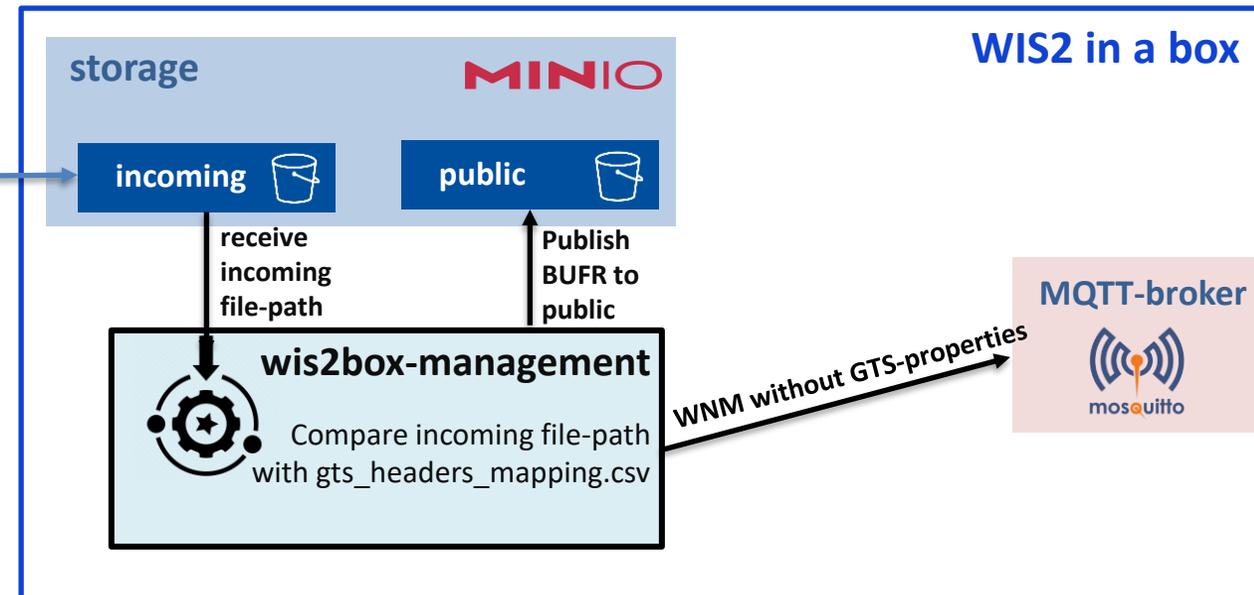
gts_headers_mapping.csv

```
string_in_filepath,TTAAii,CCCC  
synopfile01,ISMD01,LIBB  
synopfile02,ISMD02,LIBB
```

Data-file uploaded:
synopfile01_2024040506.txt



Data-file uploaded:
newdata_2024040506.txt



Updating gts_headers_mapping.csv

After updating gts_headers_mapping.csv, the wis2box-management container must be re-started for the changes to take effect:

```
docker restart wis2box-management
```

If no mapping-file is found at start-up, wis2box-management container will emit a **WARNING:**
WARNING: To add GTS headers, please create gts_headers_mapping.csv in WIS2BOX_HOST_DATADIR

Reviewing GTS-properties in wis2box-api

Messages published by wis2box can be viewed using the wis2box-api, where you can verify GTS-properties were set

Example-query to get latest messages for a specific wigos_station_identifier (Belize)

https://wis.nms.gov.bz/oapi/collections/messages/items?sortby=-datetime&wigos_station_identifier=0-20000-0-78583

click on message-id to see message-content :

id

[b63ea387-eb59-4f9f-86ba-5cecb8138486](#)

pygeoapi [Contact](#)

Home / Collections / Data notifications / Items / b63ea387-eb59-4f9f-86ba-5cecb8138486 [json](#) [jsonld](#)

b63ea387-eb59-4f9f-86ba-5cecb8138486



Property	Value
id	b63ea387-eb59-4f9f-86ba-5cecb8138486
data_id	bz-nms:belize-hourly-synop/WIGOS_0-20000-0-78583_20250307T100000
datetime	2025-03-07T10:00:00Z
pubtime	2025-03-07T10:05:04Z
integrity	method: sha512 value: A7mysFErRGHO2+BUeUjv6Q7O0p1Q66dHVAgddrncVxwf7jWpVWWcLI34ZvkJAezN+IE8Fg9B3a5Oyj
metadata_id	urn:wmo.md:bz-nms:belize-hourly-synop
gts	ttaai: ISNE01 cccc: MZBZ
content	encoding: base64 value: QlVGUgABgAQAABYA/////wAAAAJuHgAH6QMHCgAAAAALAAABgMGWx2AAAVMABOIAAANzg1ODMAA size: 384
wigos_station_identifier	0-20000-0-78583
Links	<ul style="list-style-type: none">WIGOS_0-20000-0-78583 ... (application/bufr)0-20000-0-78583 (text/html)The landing page of this server as JSON (application/json)The landing page of this server as HTML (text/html)This document as JSON (application/geo+json)This document as RDF (JSON-LD) (application/ld+json)This document as HTML (text/html)Data notifications (application/json)



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Summary

During the transition phase: ensure that your WIS2 Node publishes WIS2 Notifications with additional GTS-properties, enabling the WIS2-to-GTS gateway to re-publish the data on GTS

When publishing new data on WIS2, no GTS-properties need to be provided

When using wis2box, you can use a CSV file to map GTS properties to incoming filenames to add the additional GTS-properties to your WIS2 Notification Messages



Thank you
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