WHALES
Rhapsody Configuration

WHALES

<div align="right">Locker</div>

Summary	
Sub-folder (1)	

Locker Contents	Page
📁 vrdrToKC... Folder	**2**

📁 vrdrToKC

Folder

Full Path /WHALES/vrdrToKC

Summary	
Communication Points (6)	
Routes (2)	
Folder Contents	**Page**

bidir dir vrdr Manual Drop
Directory (Bidirectional Mode)

Communication Point

Configuration Properties	
Input Directory	$(WHALES_vrdr_Folder)\in = `"\\doh\app\Rhapsody\Prod\Data\WHALES\vrdrToKC\in"`
Input Control File Mode	false
Pattern Type	Wildcards
Pattern	*
Exclude Pattern Type	Wildcards
Exclude Pattern	
Input Order	None
Refresh Rate	5000
Receive Rate	0
Move Input Files	false
Zip File Debatch Mode	false
Debatch Mode	false
Maximum File Size (MB)	0
Include Empty Files	false
Output Directory	$(WHALES_vrdr_Folder)\NotSent-BadExtension = `"\\doh\app\Rhapsody\Prod\Data\WHALES\vrdrToKC\NotSent-BadExtension"`
Output Control File Mode	Disabled
Base Filename	$BaseFilename
Suffix	$Suffix
Append Date/Time	false
Overwrite Files	false
Output temporary file to	.temp directory
Batch Mode	false

Used on Routes	Page

Details

Retries	
Retry Type	Linear
Number of Retries	1
Retries before Notification	5
Retry Delay (ms)	5000
Retries Per Message	0
Retries Exceeded Action	Treat as error
Properties	
Outgoing Messages	Send via First Available Connection
Idle Timeout (ms)	0

Properties	
Number of Connections	1
Startup State	Startup Last (only if previously running)
Input Message Encoding	Unknown / Not Set

http inout Receiver
HTTP Server (Input Mode)

Communication Point

Configuration Properties	
Local Address	
Local Port	443
Context Path	vrdr-receiver/submit
Timeout	0
Use HTTPS	true
SSL Protocol Mode	TLSv1.2
SSL Cipher Suites	Very strong cipher suites (AES-256)
Require Client Authentication	true
Secure Keys	rhapsody-pr_vrdr_exp%=20250101_1201
Trusted Certificates	rhapsody-pr_vrdr_client__2
Get Action	Action not supported
Put Action	Action not supported
Post Action	Receive message
Head Action	Action not supported
Trace Action	Action not supported
Delete Action	Action not supported
Options Action	Action not supported
Redirect URL	
Static Content	
Request Parameters	
Message Body Parameter Name	
Protocol Support	Standard HTTP only
Request Headers	

Used on Routes	Page
rt 01 Receive..Route	10

Details

Retries	
Retry Type	Linear
Number of Retries	3
Retries before Notification	5
Retry Delay (ms)	5000
Properties	
Idle Timeout (ms)	0
Number of Connections	1
Startup State	Startup Last (only if previously running)
Input Message Encoding	Unknown / Not Set

🌐 http outin VertiQ
HTTP Client (Out->In Mode)

Communication Point

Configuration Properties		
URL	$(WHALES_vrdr_VertiQEndpoint_URL) = "https://kingwhalesapi.vertiq.com/EDRS/ UploadJSON"	
HTTP Method	POST	
Request Headers	**Request Header**	**Value**
	ApiKey	$_ApiKey
Follow Redirects	true	
Use HTTPS	true	
SSL Protocol Mode	TLSv1.2	
Specify Exact TLS Version	true	
SSL Cipher Suites	FIPS cipher suites (AES-128, AES-256)	
Trusted Certificates		
Secure Keys		
Hostname Verification	true	
HTTP Authentication Username		
Protocol Support	Standard HTTP only	
Read Timeout (ms)	10000	
Connect Timeout (ms)	60000	
Proxy Type	System	
Refresh Rate	60000	
Set If-Modified-Since Header	false	
Response Headers		
Message Content	Message Body	
Content Type	$ContentType	
Content Encoding		
Definition File		
Additional Request Headers		
Request Parameters		
On 4xx Error Response	Return error content as input (for Out->In mode only)	
On 5xx Error Response	Return error content as input (for Out->In mode only)	
Dynamic Connection Failed Action	Treat as message error	
Copy headers	false	
Used on Routes		**Page**
⊞ rt 02 Forward...Route		12

Details

Retries	
Retry Type	Linear
Number of Retries	5

Retries	
Retries before Notification	5
Retry Delay (ms)	5000
Properties	
Idle Timeout (ms)	0
Number of Connections	1
Startup State	Startup Last (only if previously running)
Input Message Encoding	Unknown / Not Set
Response Timeout (ms)	60000
Retry Count	Infinite
Fail Action	Treat as error

in dyn To 02 Forward Subscribe

Dynamic Router (Input Mode)

Communication Point

Configuration Properties	
Target Name	to02Forward
Unique Target Name	true

Used on Routes	Page
rt 02 Forward...Route	12

Details

Retries	
Retry Type	Linear
Number of Retries	5
Retries before Notification	5
Retry Delay (ms)	5000
Properties	
Idle Timeout (ms)	0
Number of Connections	1
Startup State	Startup Last (only if previously running)
Input Message Encoding	Unknown / Not Set

out dyn To 02 Forward Publish

Dynamic Router (Output Mode)

Communication Point

Configuration Properties	
Delivery Mode	Always Use Static Destination
Static Destination	@to02Forward
Index Message Properties	false
Used on Routes	**Page**
rt 01 Receive...Route	10

Details

Retries	
Retry Type	Linear
Number of Retries	5
Retries before Notification	5
Retry Delay (ms)	5000
Properties	
Idle Timeout (ms)	0
Number of Connections	1
Startup State	Startup First (only if previously running)
Continue Routing Enabled	False

⊞⊢→ rt 01 Receive

Route
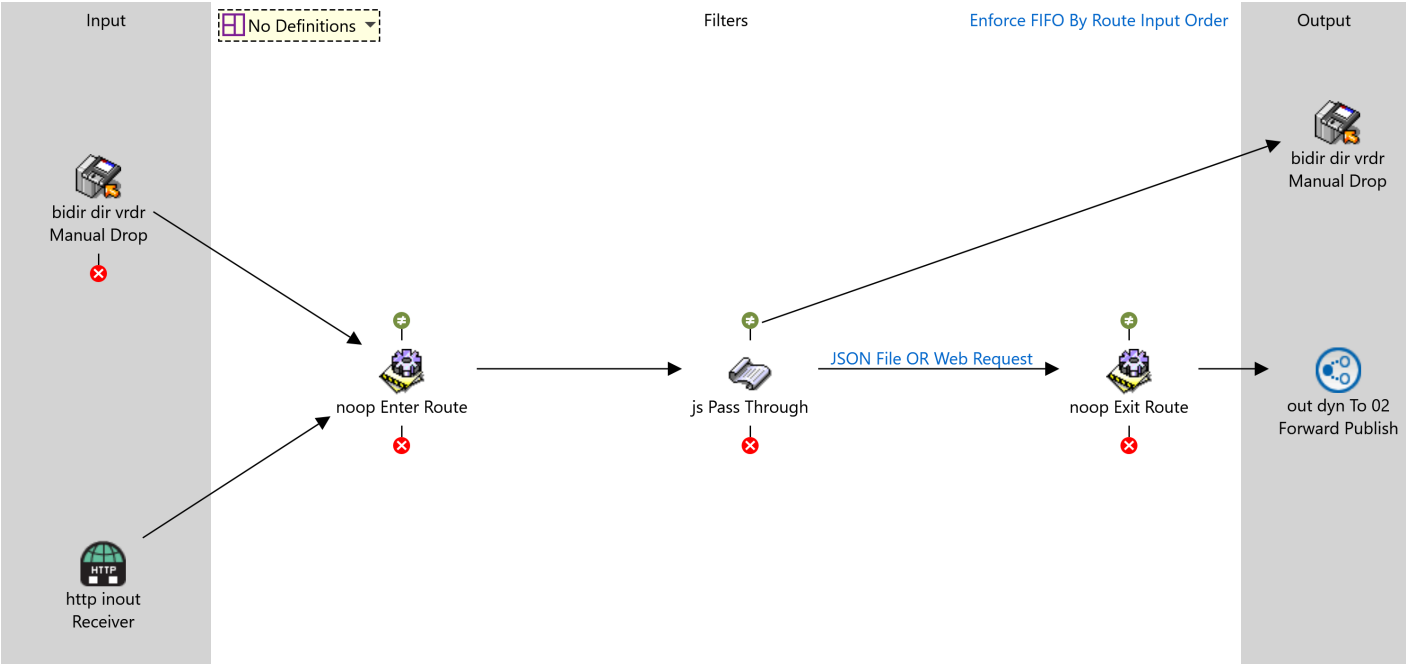
Inputs	Page
📦 bidir dir vrdr Manual Drop..Directory	**3**
🌐 http inout Receiver..HTTP Server	**5**
Outputs	**Page**
📦 bidir dir vrdr Manual Drop..Directory	**3**
🌐 out dyn To 02 Forward Publish...Dynamic Router	**9**

Filters

Name	Page
📜 js Pass Through..JavaScript	**11**
📦 noop Enter Route..No-operation	**11**
📦 noop Exit Route..No-operation	**11**

Details

General	
Priority	Normal
Startup State	Startup Third (only if previously running)
FIFO Mode	Enforce FIFO By Route Input Order
Stop route on error message	False

noop Enter Route
No-operation
On rt 01 Receive route

Destinations

Name	Page
js Pass Through... JavaScript	11

js Pass Through
JavaScript
On rt 01 Receive route

Javascript

```
var next = output.append(input[0]);
```

Destinations

Name	Page
Output Condition: JSON File OR Web Request Suffix ends with 'JSON' ignoring case OR Suffix does not exist	
noop Exit Route...No-operation	11
Error Connector	**Page**
bidir dir vrdr Manual Drop.. Directory	3

noop Exit Route
No-operation
On rt 01 Receive route

Destinations

Name	Page
out dyn To 02 Forward Publish... Dynamic Router	9

rt 02 Forward

Route
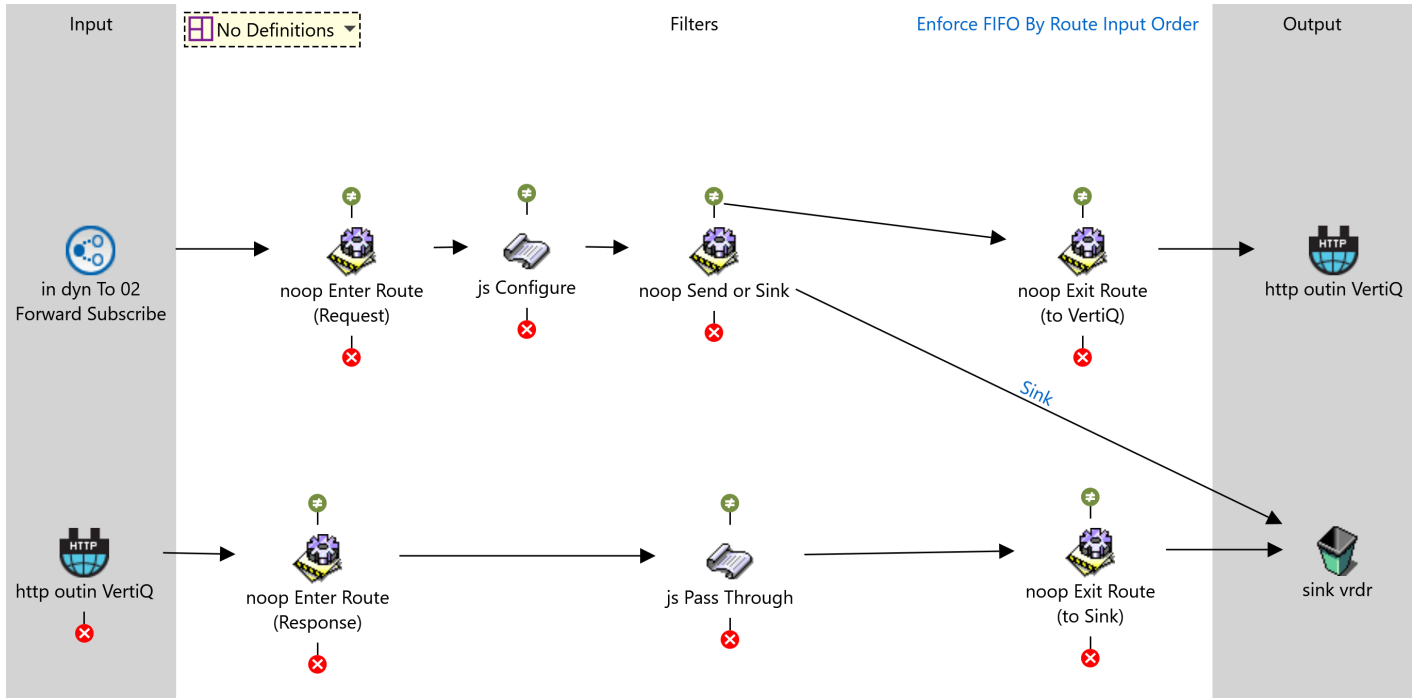
Inputs		Page
in dyn To 02 Forward Subscribe.. Dynamic Router		8
http outin VertiQ...HTTP Client		6
Outputs		**Page**
http outin VertiQ...HTTP Client		6
sink vrdr...Sink		17

Filters

Name		Page
js Configure..JavaScript		14
js Pass Through.. JavaScript		14
noop Enter Route (Request)... No-operation		14
noop Enter Route (Response)... No-operation		14
noop Exit Route (to Sink)..No-operation		14
noop Exit Route (to VertiQ)...No-operation		16
noop Send or Sink.. No-operation		15

Details

General	
Priority	Normal
Startup State	Startup Third (only if previously running)

General	
FIFO Mode	Enforce FIFO By Route Input Order
Stop route on error message	False

📜 **js Pass Through**

JavaScript

On rt 02 Forward route

Javascript
`var next = output.append(input[0]);`

Destinations

Name	Page
🎛 noop Exit Route (to Sink)...No-operation	14

⚙️ **noop Enter Route (Response)**

No-operation

On rt 02 Forward route

Destinations

Name	Page
📜 js Pass Through... JavaScript	14

⚙️ **noop Enter Route (Request)**

No-operation

On rt 02 Forward route

Destinations

Name	Page
📜 js Configure...JavaScript	14

⚙️ **noop Exit Route (to Sink)**

No-operation

On rt 02 Forward route

Destinations

Name	Page
🗑 sink vrdr..Sink	17

📜 **js Configure**

JavaScript
On rt 02 Forward route

Javascript

```
var next = output.append(input[0]);

var sendOrSink = getVariable( 'WHALES_vrdr_Receiver_SendOrSink' ) || 'SINK';
next.setProperty( '_SendOrSink', sendOrSink );

var apiKey = getVariable( 'WHALES_vrdr_VertiQEndpoint_Key' ) || 'NULL';
next.setProperty( '_ApiKey', apiKey );

// generate a system timestamp to use as form boundary (e.g., 20230315130154123)
var d = new Date();
var timestamp =
 d.getFullYear() + ( '0' + ( d.getMonth() + 1 ) ).slice( -2 ) + ( '0' + d.get
Date() ).slice( -2 ) +
 ( '0' + d.getHours() ).slice( -2 ) + ( '0' + d.getMinutes() ).slice( -2 ) + ( '0' + d.get
Seconds() ).slice( -2 ) + ( '00' + d.getMilliseconds() ).slice( -3 );
next.setProperty( 'Timestamp', timestamp );

var content = next.text;

// repackage request as form-data
var form = '--' + timestamp + '\r\n';
form += 'Content-Disposition: form-data; name = "File"; filename="' + timestamp + '.json"' +
 '\r\n';
form += 'Content-Type: application/json' + '\r\n\r\n';
form += content + '\r\n';
form += '--' + timestamp + '--\r\n';

//var content = 'File = ' + next.text;
var contentType = 'multipart/form-data; boundary=' + timestamp;

next.text = form;
next.setProperty( 'ContentType', contentType );

next.setProperty( 'http:content-type', contentType );
next.setProperty( 'http:content-length', form.length );
```

Destinations

Name	Page
🔧 noop Send or Sink.. No-operation 15

🔧 noop Send or Sink
No-operation

Filter

On rt 02 Forward route

Destinations

Name	Page

Output Condition: Sink
`_SendOrSink = 'SINK' ignoring case`

🔲 sink vrdr...Sink	17

Error Connector	Page
🔲 noop Exit Route (to VertiQ)...No-operation	16

🔲 noop Exit Route (to VertiQ)   Filter
No-operation
On rt 02 Forward route

Destinations

Name	Page
🔲 http outin VertiQ...HTTP Client	6

sink vrdr

Communication Point

Sink (Output Mode)

Used on Routes	Page
rt 02 Forward...Route	12

Details

Retries	
Retry Type	Linear
Number of Retries	5
Retries before Notification	5
Retry Delay (ms)	5000
Properties	
Idle Timeout (ms)	0
Number of Connections	1
Startup State	Startup First (only if previously running)
Continue Routing Enabled	False

Default Notification Thresholds

All Times	
High CPU Usage	Warning: Time = 10, Alarm: Time = 20, CPU Usage = 79
Custom Module Changed	Disabled
Large Queue	Warning: Threshold = 2500, Alarm: Threshold = 5000
Low JVM Memory	Warning: Threshold = 128, Alarm: Threshold = 64, Time = 5
Route Started	Disabled
Large Error Queue	Warning: Message Count = 50, Alarm: Message Count = 200
Communication Point Started	Disabled
Long Idle Time	Disabled
Large Hold Queue	Warning: Message Count = 50, Alarm: Message Count = 200
Communication Point Stopped In Error	Alarm
Route Stopped In Error	Alarm
Routes Stopped Due To Low Disk Space	Alarm
Unexpected Message Tracking Response	Warning
Unconnected Running Communication Point	Disabled
Message Time In Filter Exceeded	Warning: Time = 30, Alarm: Time = 40
Web Service Retrying	Warning
Communication Points Stopped Due To Low Disk Space	Alarm
Message Tracking Response Timeout	Disabled
Slow Message Processing	Warning: Threshold = 2700, Alarm: Threshold = 3600, Time Period = 5
Hold Queue Message	Warning
Web Service Connector Restarted	Disabled
Rhapsody Starting	Warning
Configuration Changed	Disabled
Large Queue	Warning: Threshold = 2500, Alarm: Threshold = 5000
Error Queue Message	Warning
Long Idle Time	Disabled
Low Data Directory Disk Space	Warning: Free Space = 10240, Alarm: Free Space = 6144
Custom Library Changed	Disabled
Long Idle Time	Disabled
Route Stopped	Disabled
Web Service Started	Disabled
Large Communication Point Queue	Disabled
Error Queue Message	Warning
Backup Failed	Alarm
Message Potentially Stuck While Sending	Warning: Time = 30, Alarm: Time = 40
High Working Memory	Warning: Threshold = 83, Alarm: Threshold = 90
Communication Point Started Out Of Schedule	Disabled
Large Route Queue	Disabled

All Times	
Communication Point Stopped	Disabled
REST API call rejected due to too many incoming requests	Warning
Long GC Pause	Warning: Threshold = 10, Alarm: Threshold = 30
SSL Certificate Expiry	Warning: Days before certificate expires = 30, Alarm: Days before certificate expires = 14
Messages in Failed Queue	Warning: Time = 10, Alarm: Time = 60
Upcoming Rhapsody License Expiry	Warning: Days Before Expiry = 14, Alarm: Days Before Expiry = 7
Low Install Directory Disk Space	Warning: Free Space = 5120, Alarm: Free Space = 3072
Old Live Error Queue Messages	Warning