

Apache Kafka Producer



This page explains the **Apache Kafka Producer Adapter** in Bridge context. If you were looking for the same information regarding the **PAS Designer**, refer to [Apache Kafka Producer Adapter](#) in the Designer guide.

Tagged Values

<<KafkaProducerAlias>>


Attribute	Description	Kafka Property	Allowed Values / Examples	
Name (name)	Specify a name for the alias.	-	any string	
Standard				
Servers	Provide a list of Kafka brokers with (optional) ports.	bootstrap.servers	kafka1.acme.com , kafka2.acme.com:9092	
Enable Idempotence	Enables the producer to write a message to Kafka exactly once.	enable.idempotence	true	Write message exactly once to the specified partition of the topic during the lifetime of the producer - without data loss and order per partition (default).
			false	Message may be delivered multiple times on e.g. connection failures.
Compression				
Compression Type	Provide a compression codec for compressing message sets.	compression.type	none	No compression (default).
			gzip	Compress with gzip .
Security				
Protocol Security	Provide the protocol used to communicate with the Kafka brokers.	security.protocol	plaintext	Use plain text (default).
			ssl	Use SSL.
Ssl Private Key File	Provide the path to the client's private key file (PEM) to be used for authentication.	ssl.key.location	a valid path	
Ssl Private Key Password	Provide the password for the private key file.	ssl.key.password	a valid password	
Ssl Private Key String	Provide the client's private key string (PEM format) to be used for authentication.	ssl.key.pem	a valid key string	
Ssl Client Certificate File	Provide the path to the client's public key file (PEM) to be used for authentication.	ssl.certificate.location	a valid path	
Ssl Client Certificate String	Provide the client's public key string (PEM format) to be used for authentication.	ssl.certificate.pem	a valid key string	
Ssl CA Location	Specify how to find CA certificate(s) for verifying the key of the Kafka broker.	ssl.ca.location	<path>	File or directory path to the CA certificate(s).

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Related Documentation:

- [Apache Kafka Documentation](#)

			<p>p r o b e</p> <p>Guess the location of the CA store and try to find the CA certificate(s) automatically.</p>
			<p>b u n d l e d</p> <p>Use the CA bundle provided with PAS.</p>
Ssl CA String	Provide the CA certificate string (PEM format) to verify the key of the Kafka broker.	ssl.ca.pem	a valid CA certificate string
Advanced			
Additional Properties	<p>Use this to directly set properties of the Kafka producer.</p> <div> <p> Using this attribute, you can also overwrite the dedicated settings above. In this case,</p> <ul style="list-style-type: none"> the Compiler will show a warning, the service will log a warning on startup. </div>		buffer.memory=67108864 , retries=4294967294

KafkaProducerAdapter Operations

produce

Name	Type	Direction	Description
producerRecord	ProducerRecord	in	Provide the message and the target for the adapter to send the message to a Kafka topic.
recordMetaData	RecordMetaData	out	Returns some meta data about the processing the Kafka broker has done.

KafkaProducerAdapter Parameter Types

ProducerRecord

Attribute	Type	Mandatory	Description
topic	String	✓	Specify the topic the message should be sent do.
partition	Integer	✗	Specify the partition the message should be send to.
key	Blob	✗	Specify a key the message should be filed to.
id	Integer	✗	Will be generated. We recommend not to set one manually.
headers	Array of MessageHeader	✗	Specify headers if you want to provide additional information on the message content for e.g. routing or filtering use cases.
value	Blob	✗	Specify the actual message content. Only payload of type Blob is supported.

MessageHeader

Attribute	Type	Description
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key	String	Key of the header.
value	Blob	Value of the header.

RecordMetadata

Attribute	Type	Mandatory	Description	Allowed Values / Examples	
topic	String	✓	Kafka topic the message has been sent to.		
partition	Integer	✓	Topic partition the message has been sent to.		
offset	Integer	✗	Offset of the message within the partition.		
recordId	Integer	✗	The message ID as provided with the call, or as generated if it has not been specified.		
keySize	Integer	✓	Actual size of the key in bytes.		
valueSize	Integer	✓	Actual size of the value in bytes.		
timestamp	DateT ime	✗	A processing timestamp (UTC). See timestampType for what the timestamp refers to.		
timestampType	Timesta mpType	✓	Indicates what the timesta mp refers to.	Not Avai lable	Timestamp is unknown.
				Cre ateT ime	Timestamp relates to message creation time as set by a Kafka broker.
				Log App end Time	Timestamp relates to the time a message was appended to a Kafka log.
persistedSt atus	Persiste dStatus	✓	Status of the message.	Not Pers isted	Message was never transmitted to the broker, or failed with an error indicating it was not written to the log.
				Pers isted	Message was written to the log and acknowledged by the broker.
				Pos sibly Pers isted	Message was transmitted to broker, but no acknowledgement was received.