Concern (Identifier: Description)		Con#3: Which message broker/streaming platform should the system use?
Ranking criteria (Identifier: Name)		Cr#1: real time Cr#2: storage (persistence) Cr#3: history Cr#4: team knowledge about the technology and documentation of it. Cr#5: support for AMQP protocol
Options	Identifier: Name	Con#3-Opt#1: Apache Kafka
	Description	Implementation of Apache Kafka as streaming platform
	Status	Decided
	Relationship(s)	-
	Evaluation	Cr#1: it guarantees a message throughput up to 800k/sec Cr#2: it is a durable message store, meaning that it is able to store the message in an undefined period of time Cr#3: this point strictly follows from the one above: it is able to provide an history about the messages passed over the system Cr#4: the team has studied the technology during the university course and the kafka is very well documented Cr#5: Kafka doesn't support AMQP protocol
	Rationale of decision	This option permits us to reach the highest message speed on the network; it permits us to query any time of the history of the messages; it guarantees redundancy of data, thanks to its storing
	Identifier: Name	Con#3-Opt#2: RabbitMQ
	Description	Implementation of RabbitMQ as message broker
	Status	Rejected
	Relationship(s)	-
	Evaluation	Cr#1: it guarantees a message throughput up to 100k/sec Cr#2: it does not provide message storing, since every message is erased after the first consume request. Cr#3: this point strictly follows from the one above: since the messages can be accessed once, history can not be obtained Cr#4: the team hasn't studied/used the technology and the tool is quite documented online. Cr#5: RabbitMQ supports the AMQP protocol.
	Rationale of decision	This option does not achieve our goals
	Identifier: Name	Con#3-Opt#3: Solace
	Description	Implementation of Solace as message broker
	Status	Rejected
	Relationship(s)	-
	Evaluation	Cr#1: it guarantees a message throughput up to 750k/sec Cr#2: it provides message storing, meaning that it is able to store the message in a persistent manner Cr#3: this point strictly follows from the one above: it is able to provide an history about the messages passed over the system Cr#4: The team hasn't used this technology and it is not well documented online. Cr#5: Solace supports AMQP protocol
	Rationale of decision	This option is rejected beacuse the team isn't familiar with this tool and it is not well documented. Also it doesn't have something like "Kafka Connect" that allows our system to stream contents of external databases.