



Memory Consumption	In which context did you work with the application that used a stream reasoning engine?	How long has it been used?	Which stream reasoning engine did you use?	How many of the application domains have you applied stream reasoning?	In which application domains have you applied stream reasoning?
Important	Research Setting	<2 Years	C-SPARQL-RDFi0		
Important	Research Setting	5-10 Years	C-SPARQL-CQE3+		eHealth, IoT, building management, media, smart city
Not so important	Industrial Setting	2-5 Years	RDFox 0		
Very important	Both	5-10 Years	RTEC: https://git3+		Maritime situational awareness, fleet management, human activity recognition, credit card fraud management
Not so important	Research Setting	5-10 Years	C-SPARQL-CQE3+		smart cities
Very important	Research Setting	2-5 Years	C-SPARQL-SPAF 1		
Very important	Research Setting	<2 Years	C-SPARQL-CQE0		Automotive
Very important	Research Setting	2-5 Years	C-SPARQL-RDFi0		Autonomous Driving
Important	Research Setting	10+ Years	C-SPARQL-CQE3+		industry IoT, autonomous vehicles, robotics
Not so important	Research Setting	5-10 Years	C-SPARQL-CQE2		Smart Cities, online communication systems
Important	Both	10+ Years	CQELS 1		Production, smart cities, IoT, automotive
Not so important	Research Setting	2-5 Years	C-SPARQL-CQE0		
Very important	Research Setting	5-10 Years	Laser:DynamiTE 2		
Important	Research Setting	2-5 Years	C-SPARQL-Strin2		Traffic, weather
Very important	Research Setting	10+ Years	ETALIS-EP-SPAF 1		transportation, financial, weather
Important	Research Setting	5-10 Years	C-SPARQL-C-SF 1		Analysis of social media data
Important	Research Setting	5-10 Years	C-SPARQL-CQE2		Healthcare, smarting building, predictive maintenance, IoT, industry 4.0
Not so important	Research Setting	2-5 Years	C-SPARQL-CQE3+		security, healthcare, manufacturing
Not so important	Both	5-10 Years	C-SPARQL-RDFi1		Scheduling, planning, content distribution
Not so important	Research Setting	<2 Years	C-SPARQL 0		medical domain
Important	Research Setting	5-10 Years	RDFox:DynamiTi0		
Not so important	Research Setting	5-10 Years	C-SPARQL-CQE2		Mobility, environmental sensors
Not so important	Both	10+ Years	C-SPARQL-CQE3+		Social Media Analytics, IoT Analytics, Smart City
Not so important	Research Setting	10+ Years	C-SPARQL-CQE0		eHealth, environmental monitoring
Important	Research Setting	5-10 Years	C-SPARQL-CQE2		social media analytics, iptv analysis
Not so important	Industrial Setting	<2 Years	CQELS 0		electrical meter monitoring
Important	Industrial Setting	2-5 Years	C-SPARQL-C-SF0		Industry 4.0
Important	Industrial Setting	2-5 Years	C-SPARQL 1		Smart Grid Management
Important	Research Setting	2-5 Years	C-SPARQL-RDFi0		healthcare
Important	Both	5-10 Years	C-SPARQL-SPAF 1		IoT and AI for control systems
Very important	Industrial Setting	2-5 Years	C-SPARQL-CQE3+		Crowd movements forecasting with Telco data, Weather forecasting
Not so important	Research Setting	<2 Years	C-SPARQL-SPAF0		Sensor Data
Important	Research Setting	2-5 Years	C-SPARQL-Reas2		
Important	Research Setting	10+ Years	SEPA 1		Agriculture, Health
Not so important	Research Setting	<2 Years	C-SPARQL-RDFi1		Research on Semantic Web of Things, and Semantic Internet of musical things
Not so important	Research Setting	2-5 Years	SPARQLstream 1		
Very important	Research Setting	<2 Years	CQELS-ETALIS:11		provide reactive answers
Not so important	Research Setting	10+ Years	C-SPARQL-simil2		mostly Ambient Assisted Living, also supporting cities in the city and connecting to environmental data and other location services.
Important	Research Setting	2-5 Years	C-SPARQL-CQE0		
Very important	Research Setting	2-5 Years	C-SPARQL-CQE3+		Knowledge group
Not so important	Research Setting	<2 Years	Apache Flink 1		Smart Grid
Important	Industrial Setting	<2 Years	C-SPARQL 0		
Very important	Research Setting	5-10 Years	C-SPARQL-CQE0		
Not so important	Research Setting	<2 Years	C-SPARQL 0		
Not so important	Research Setting	2-5 Years	C-SPARQL-C-SV2		Wireless Sensor Networks
Not so important	Research Setting	2-5 Years	INSTANS 2		Recognition of semantically heterogeneous events in built environment

Latency

Work Settings

Experience in Years

Memory Consumption

Number of other used Engines

Horizontal Bar Chart of Stream Reasoning Engines

Engine	Count	Percentage
C-SPARQL	34	(41.3 %)
CQELS	19	(21.7 %)
SPARQLstream	10	(12.2 %)
ETALIS	7	(8.5 %)
RDFox	18	(21.7 %)
INSTANS	3	(3.6 %)
Strider	5	(6.1 %)
Laser	4	(4.8 %)
DynamiTE	5	(6.1 %)
SparkWave	0	(0 %)
C-SPARQL2.0	10	(12.2 %)
YASPER	6	(7.3 %)
RSP4J	1	(1.2 %)
RTEC: https://github.com/...	1	(1.2 %)
StreamRule-ProASP	1	(1.2 %)
EP-SPARQL	1	(1.2 %)
C-SPRITE, STREAMING...	1	(1.2 %)
BuDR, Triplet	1	(1.2 %)
Ticker	1	(1.2 %)
IMARS, several internal pr...	1	(1.2 %)
ShMII => https://gitlab.f...	1	(1.2 %)
Reasoning engine develo...	1	(1.2 %)
SEPA	1	(1.2 %)
similar, ad-hoc, research g...	1	(1.2 %)
Apache Flink	1	(1.2 %)
C-SWRML	1	(1.2 %)