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GATElab introduces new generation matching engine: “exchangepath-100µs”

Yet another matching engine? Yes ... or no ! GATElab® **exchangepath-100µs™** represents a new generation matching engine for financial marketplaces which sets a new path for reaching high performance, low latency, low set-up and running costs.

The philosophy embraced by exchangepath is to stress the minimum adoption of middleware, software/ communication stack and operating system features, without giving over functionality, usability, flexibility, expandability, resiliency, reliability. All that by using de-facto-standard low-cost hardware and software platform.

So **exchangepath-100µs** can manage incoming orders, match them and deliver matching results, continuously 24/7, in less than 100 microseconds, at the end-user's gateway, achieving an unbelievable number of transactions and market data on a commodity hardware platform.

“We just thought back to our past experiences when we didn't have so much disk space, memory and CPU power” says Antonio Caroselli, CTO and cofounder of GATElab. “We just chose a good MIX of available hardware and software technologies, we designed a new architecture and re-implemented a new matching platform with the goal to rely on the lowest level of the host operating system, being as close as possible to hardware boards, without ineffectively wasting hardware resources”.

Through **exchangepath-100µs** equity, derivative, fixed income, commodity matching engines can be deployed quickly and cost-effectively, even running simultaneously on the same hardware. Order-driven, quote-driven, hybrid market structures, auctions and continuous phases with standard and complex type of orders can be easily customized.

“Deploying **exchangepath-100µs** multi-asset matching engines to exchanges and systematic internalisers means a leap-ahead in lowering down transactions fees while increasing functionalities, flexibility, throughput” adds Ferdinando La Posta, Chairman of the Board and co-founder. “Costs are truly important for Financial Institutions, but they must not have to consequently limit their industrial actions. With **exchangepath-100µs** we want offer a marketplace to maximize their market opportunities while reducing their deployment time and related set-up and running costs”.

exchangepath-100µs is deployed onto a standard Linux multi-server RDMA network, without data-base support, providing end-user with a native API or FIX and FAST.

About GATElab

GATElab is an independent software company, founded in 1989, with the vision to play a leading role in the application of emerging technologies to a mission-critical area such as finance.

Since the early '90s GATElab has been providing its customers, namely buy-side, sell-side and exchanges, with state-of-the-art technologies in hard real-time transaction and information handling, to any kind of electronic source or destination, i.e. electronic exchanges, multilateral trading facilities, information providers.

Using the technological know-how, consolidated through the years, GATElab has been committed to supply products and integration projects capable to satisfy any emerging need of its customers, so its offering is perceived by end users as easy to integrate solutions and suitable to address instant needs in new emerging experiences.