FORSA Brings Tier 0 Storage to AWS

Formulus Black's In-Memory Storage software enables fastest EC2 in the cloud.

Jersey City, New Jersey, December 16, 2020 – In-Memory Storage and virtualization innovator Formulus Black today announced the release of FORSA for AWS, providing Tier 0 performance block storage software in the cloud for users of Amazon Web Services. FORSA enables AWS users to provision and manage DRAM on EC2 as compute-side In-Memory Storage, allowing any application to be run at memory-channel speeds without requiring code modification.

FORSA In-Memory Storage is roughly 100x faster than EBS and removes the traditional I/O performance bottlenecks that can exist for data analytics in the cloud. FORSA's award-winning software is built on 19 patents with an additional 35 patents pending.

The release of FORSA for AWS comes in the form of an easily deployable Amazon Machine Image (AMI) and enables Formulus Black to expand its presence into the high performance cloud storage market for AWS Marketplace customers. "We are excited to partner with AWS to provide their clients with access to FORSA's performance advantages, which are not achievable by any other storage technology," said Jing Xie, COO, Formulus Black.

Using FORSA for AWS, clients can achieve performance gains for databases, as well as all other data-intensive applications. "We have achieved 25 million IOPs at 3.2 microseconds latency and more than 100GB/s in a random read, which is unheard of on an AWS Elastic Block Store (EBS) volume," said Kiran Agrahara, VP of Sales and Solutions Engineering, Formulus Black.

FORSA also provides more than a dozen advanced enterprise storage features, such as enhanced data protection and lifecycle management, which reduce TCO while providing unmatched performance, protection, and uptime. Its patented technology includes NUMA optimization for faster data processing, in-line deduplication, which can enable 1TB of physical storage into as much as 3TB of usable storage, snapshots, clones, and BLINK backup and restore.

These added features enable users to create restore points as well as back up and protect the data stored on FORSA In-Memory Storage-powered EC2s, and then utilize EBS as a secondary storage target. This can be especially helpful for users of EC2 spot instances, providing high performance, data resiliency and protection, and fast re-instantiation on new EC2 spot instances when the existing instance is reclaimed by AWS.

About Formulus Black

Formulus Black develops FORSA, a software-defined solution that unlocks the power of In-Memory Storage virtualization for all applications by enabling server memory to be easily and efficiently used as high performance storage media. FORSA powers the most demanding application workloads, and is used by developers seeking to minimize latency, maximize throughput, and scale without performance loss. For more information and to trial our software, please visit: https://www.formulusblack.com.

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