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Massively Scaling Concurrent Users of SAS® Financial Management

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ABSTRACT

Boss wants a budget by a deadline. Everyone procrastinates. On the last minute of the last day, hundreds of financial analysts hammer the system with CPU-intensive forecasting and planning for their department and company budgets. The IT department, however, goes to the movies, secure that the system will comfortably scale and no one will have noticeable performance degradation. "Fantasy," you say? Fantasy, I'd like to introduce you to Azul...

Azul Compute Appliances provides the most parallelism in a single system in one of the world's largest flat SMP for Java with up to 864 processor cores and 768 GB of memory available to a single JVM. Azul JVM's pauseless garbage collector allows business-critical Java applications to scale to 100s of gigabytes heap while keeping pause times under 100 milliseconds enabling highly consistent response times.

We reveal the highly parallel design of SAS® Financial Management, the inner workings of software and hardware architecture of Azul Compute Appliances. We are excited to present the breakthrough performance on real-world scenarios by the SAS® and Azul duo.

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