



UP TO **30%** performance increase through the utilization of Intel accelerators, libraries, and tools.<sup>1</sup>

“Intel’s advanced solutions have not only improved processing power and energy efficiency but also enabled us to acquire technical expertise. This strategic partnership positions us for continued growth and provides the bank a competitive edge in an ever-evolving business environment.”

**Gengpu Liu, Executive Director, DBS Bank**

# Improving Financial Services Software Performance in the Cloud

DBS Bank is a leading financial services group in Asia. DBS uses complex models to price exotic derivative products. Asian options, a type of derivative whose payoff is based on the average price of the underlying asset over a specified period, are used to test and benchmark software application performance. Asian options introduce additional complexities compared to standard options. DBS worked with Intel to improve the performance of its derivative pricing engines. By upgrading its environment to use Amazon EC2 instances with 3rd Gen Intel® Xeon® Scalable processors featuring Intel® Advanced Vector Extensions 512 and optimizations based on Intel® software tools, DBS was able to accelerate the company’s time to insights and improve the accuracy of its derivatives pricing. With this upgrade, DBS was also able to reduce costs by making use of fewer compute instances.

- Products and Solutions**
- [3rd Gen Intel® Xeon® Scalable processors](#)
  - [Intel® Advanced Vector Extensions 512](#)
  - [Intel® oneAPI DPC++ Library](#)

<b>Industry</b> Banking	<b>Organization Size</b> 10,001+	<b>Country</b> Singapore	<b>Partners</b> <a href="#">AWS</a>	<b>Learn more</b> <a href="#">Case Study</a>
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<sup>1</sup> For more complete information about performance and benchmark results, visit <https://www.intel.com/content/www/us/en/customer-spotlight/stories/dbs-bank-customer-story.html>