Ebenbuild Aims to Provide Clinicians with personalized Digital Twins of the Human Lung

By providing doctors and nurses with an assessment of a patient's lung condition, Ebenbuild aims to improve the quality and outcome of treatment for patients. Using the Intel® Distribution for OpenVINO™ toolkit, Ebenbuild's developers optimized pre-trained artificial intelligence inference models to run on Intel® hardware, accelerating performance of the computer vision cluster. For fast data processing and visualization in the simulation cluster, Ebenbuild used the Intel® Math Kernel Library and Intel C++ Compiler to optimize its application to run on Intel® Xeon® Scalable processors. Confidential Computing, powered by Intel® Software Guard Extensions, enables Ebenbuild to process data from multiple sources and transfer it to the cloud without exposing it, even to the cloud administrators.

> "Confidential Computing, running on Intel® Software Guard Extensions, allows us to reassure healthcare providers that the privacy, confidentiality, and integrity of sensitive patient data is maintained."
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> **Dr. Kei W. Müller, CEO and Co-Founder, Ebenbuild**

Products and Solutions
Intel® Xeon® Scalable Processors
Intel® Distribution of OpenVINO™ toolkit
Intel® Software Guard Extensions

Industry
Health & Life Sciences, Software

Organization Size
2–10

Country
Germany

Learn more
White Paper

1 For more complete information about performance and benchmark results, visit https://www.intel.com/content/www/us/en/customer-spotlight/stories/ebenbuild-customer-story.html