



127X faster

training performance with Intel IPP software.¹

4X faster

XGBoost forecast inferencing with Intel® technology-driven solution.²

Anodot Boosts Machine Learning Anomaly Detection and Forecasting Performance

Anodot’s anomaly detection and forecasting applications consist of ensemble machine learning (ML) models that analyze hundreds of millions of time series metrics every minute for their customers. Every new customer adds hundreds of thousands of new metrics that the models must analyze to learn and understand data patterns. Anodot needed a solution that would give their ML platform unlimited scalability while allowing the company to effectively manage its compute costs. Performance tests show that the Intel® Xeon® platform and software frameworks improved the performance of Anodot’s Autocorrelation Function and XGBoost algorithms, significantly reducing ML compute time and costs. This solution optimization ensures that Anodot’s platform can deliver real-time anomaly detection and forecasting services at scale.

“ When choosing a machine learning platform, you need to think about scale as your business grows. So, model efficiencies and compute cost effectiveness become increasingly important. Our performance tests show the Intel software and Xeon platform provide us efficiency gains that will allow us to deliver an even higher quality of service at lower cost.”

Ira Cohen, Chief Data Scientist, Anodot

Products and Solutions

- [3rd Gen Intel® Xeon® Scalable Processors](#)
- [Intel® oneAPI Data Analytics Library](#)
- [Intel® Integrated Performance Primitives](#)

Industry
Software

Organization Size
51-100

Country
United States

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^{1,2} For more complete information about performance and benchmark results, visit <https://builders.intel.com/docs/aibuilders/accelerate-real-time-machine-learning-based-anomaly-detection-and-forecasting-at-scale.pdf>