



# LOCATE PERFORMANCE BOTTLENECKS FAST WITH INTEL® VTUNE™ AMPLIFIER



Stop guessing why software is slow  
Analyze your code and optimize  
performance on modern processors



## HPC & Cloud

Access specialized, in-depth analyses for  
HPC and Cloud computing



## Media & OpenCL™ Applications

Deliver high-performance image and video  
processing pipelines



## Memory & Platform I/O

Diagnose memory, storage, and data plane  
bottlenecks

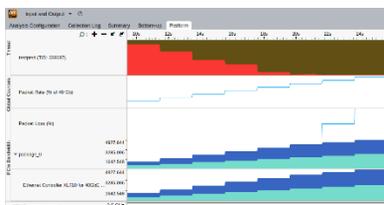
And much more

<https://software.intel.com/en-us/vtune>



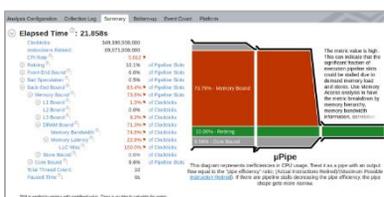
Discover the benefits of analysis techniques with recipes that explore performance tuning use cases and environment-specific configurations

<https://software.intel.com/en-us/vtune-amplifier-cookbook>



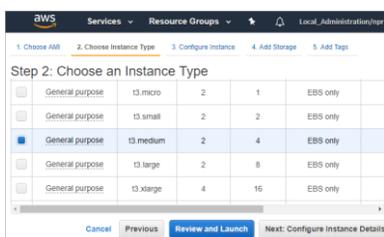
## Core Utilization in DPK Apps

Analyze the efficiency of packet retrieving in a DPK-based workload with the Input and Output analysis



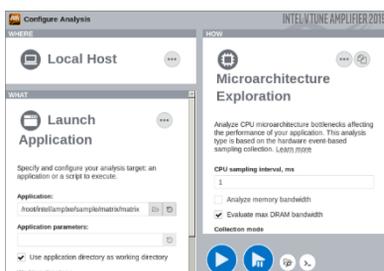
## Frequent DRAM Accesses

Explore a memory-bound application using the Microarchitecture Exploration and Memory Access analyses



## Profiling Applications in Amazon Web Services\* (AWS) EC2 Instances

Set up a VM instance in AWS for performance profiling with VTune



## Poor Port Utilization

Explore a core-bound application using the Microarchitecture Exploration analysis to understand the cause of the poor port utilization

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