

## Application Performance Monitoring



### High Performance

#### Computing AM64C128G

Monitoring and management of performance and availability of software applications. APM strives to detect and diagnose complex application performance problems to maintain an expected level of service.

The **Omni AM64C128G** is an application performance monitoring system built on the Elastic Stack. It allows you to monitor software services and applications in real-time, by collecting detailed performance information on response time for incoming requests, database queries, calls to caches, external HTTP requests, and more. This makes it easy to pinpoint and fix performance problems quickly.

The **Omni AM64C128G** also automatically collects unhandled errors and exceptions. Errors are grouped based primarily on the stacktrace, so you can identify new errors as they appear and keep an eye on how many times specific errors happen.

Metrics are another vital source of information when debugging production systems. APM agents automatically pick up basic host-level metrics and agent-specific metrics, like JVM metrics in the Java Agent, and Go runtime metrics in the Go Agent.

### Accelerate development and improve your application code

Whether you're new to Elastic Observability or you're already housing logs and system metrics in Elasticsearch you can seamlessly adopt APM to quickly identify and resolve root cause issues with correlated traces, logs, and metrics. Get deeper visibility into your applications with extensive support for popular languages, OpenTelemetry, and distributed tracing. Use machine learning to quickly correlate infrastructure and application metadata to determine outliers and identify abnormal behavior.

Work with **Omni AM64C128G**



# OMNI AM64C128G

Version	7
Services Overview Dashboard	Services list names
	Services Environments
	Services Average Latency
	Services Average Throughput
	Failed Transaction Rate
Service Overview	Latency Overview
	Transaction throughput overview
	Transactions Latency overview
	Failed transaction rate overview
	Transaction errors overview
	Time spent by span type overview
	Dependencies list overview
Transaction Monitoring	Transaction latency
	Transaction throughput
	Failed transaction rate
	Time spent by span type
	Transactions list <ul style="list-style-type: none"> <li>• Transaction name</li> <li>• Average latency</li> <li>• Throughput</li> <li>• Failed transaction rate</li> </ul>
	Time spent by dependency
Dependencies Monitoring	Dependencies list <ul style="list-style-type: none"> <li>• Dependency name</li> <li>• Average latency</li> <li>• Throughput</li> <li>• Failed transaction rate</li> </ul>
	Time spent by dependency
Error Monitoring	Error occurrences
	Failed Transaction Rate
	Errors list <ul style="list-style-type: none"> <li>• Error message and culprit</li> <li>• Error Last Seen</li> <li>• Occurrences</li> </ul>
Metrics Monitoring	CPU Usage <ul style="list-style-type: none"> <li>• System max</li> <li>• System average</li> <li>• Process max</li> <li>• Process average</li> </ul>
	Memory Usage <ul style="list-style-type: none"> <li>• Max</li> <li>• Average</li> </ul>
Service Map	Yes
Logs	Timestamp <ul style="list-style-type: none"> <li>• Message</li> </ul>
Product Support	SLA-based commercial support by remote and onsite for 5 Years
Rack Unit	2 RU
Ports	6 Ports 10GbE SFP+
Processor	Dual, Intel® Xeon® Gold 6338N 2.2G, 32C/64T, 11.2GT/s, 48M Cache, Turbo, HT (185W) DDR4-2666

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### APM Integration

The APM integration receives performance data from your APM agents, validates and processes it, and then transforms the data into Elasticsearch documents. Removing this logic from APM agents help keeps them light, prevents certain security risks, and improves compatibility across the Elastic Stack.

The Elastic integration runs on Elastic Agent. Elastic Agent is a single, unified way to add monitoring for logs, metrics, traces, and other types of data to each host. A single agent makes it easier and faster to deploy monitoring across your infrastructure. The agent's single, unified policy makes it easier to add integrations for new data sources



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