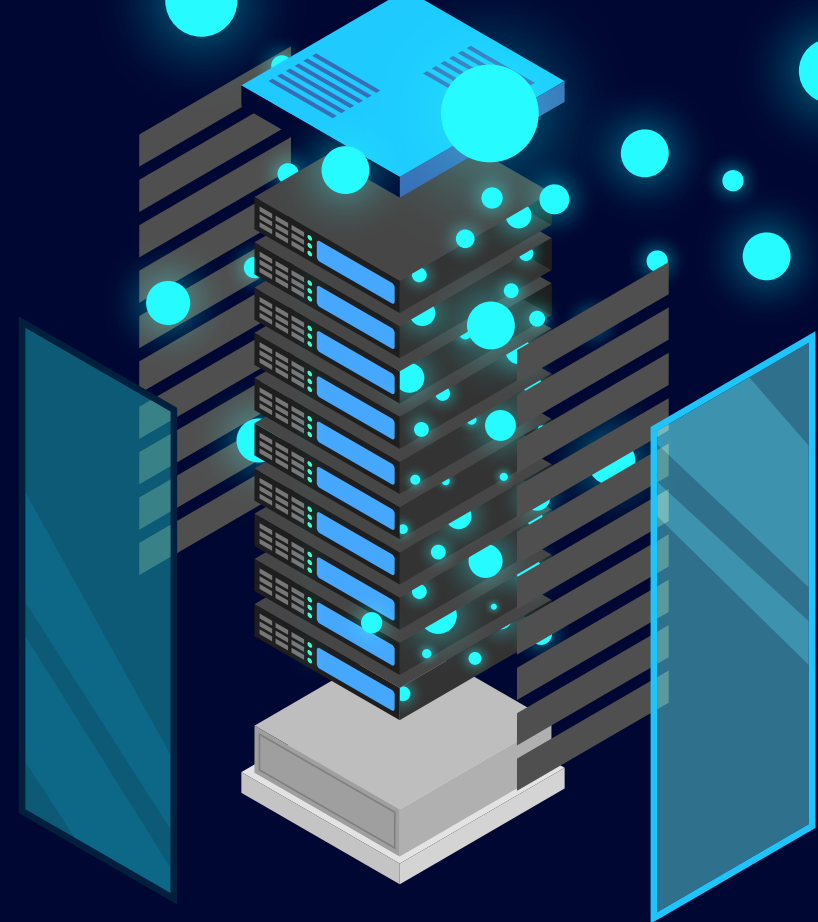


Achieve a Higher Level of Data Center Modernization

Five Benefits of Telemetry Monitoring

intel.



Deep inside your data center lies a powerful source of raw information just waiting to be harvested. You can capture this data stream and use it to take your data center modernization to the next level.

What is hardware telemetry data?

Hardware telemetry data generated by your Intel® architecture can reveal all kinds of conditions and patterns to help you understand and orchestrate what's going on in each server, CPU, and core.

Power

CPU
System
Memory

Thermal

CPU airflow
Inlet, Outlet
DIMM

Performance

CPU
Memory
Cache

1 Operational efficiency (OPEX)

Increase density through orchestration based on telemetry to run more workloads on fewer servers.



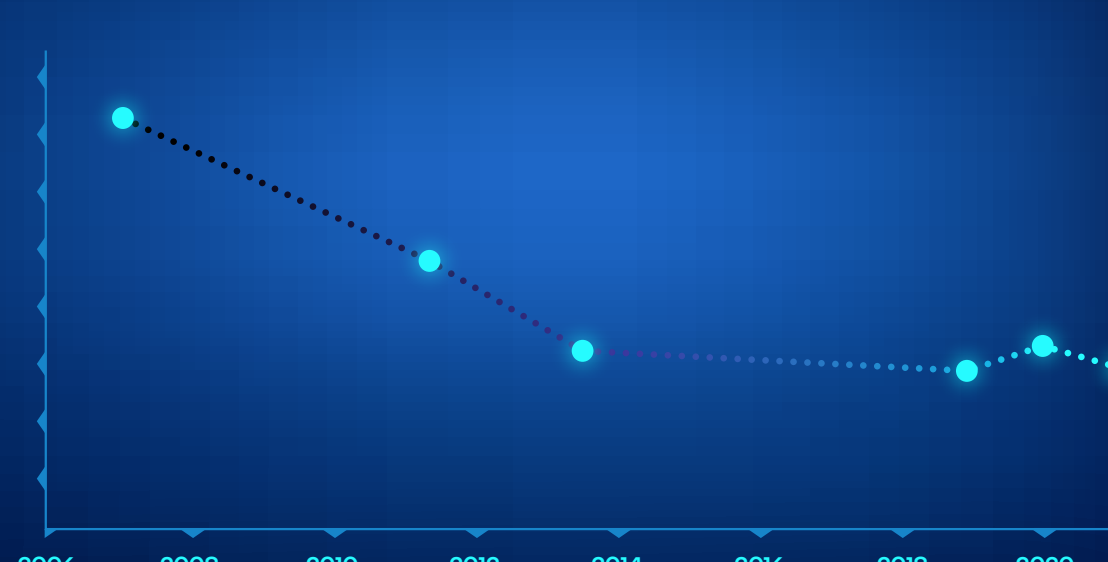
2

Infrastructure efficiency (CAPEX)

Identify the right-sized SKU for a workload in a fraction of the time with SKU emulation.

3 Power efficiency

Improve your power usage effectiveness (PUE). The average PUE for a data center has not improved since 2013.¹



4

Better performance

Optimize configuration code—the source of most performance problems—for an improved user experience.

5 Increased reliability

Avoid those 3 a.m. calls and keep your customers delighted.

38% of network outages take more than a day to find and resolve, and improving network resilience is the number 1 priority for 49% of global IT leaders.²



Learn how to get started with telemetry monitoring:

Building cloud infrastructure resilience with telemetry and orchestration

Cloud Infrastructure overview animation (ICX Cloud Animation)

Top Reasons for Intel in the Cloud

intel.

¹ <https://journal.uptimeinstitute.com/data-center-pues-flat-since-2013/>

² ComputerWeekly, "Multiple network outages costing enterprise businesses millions of pounds a year," May 2020, [computerweekly.com/news/252483308/Multiple-network-outages-costing-enterprise-businesses-millions-of-pounds-a-year](https://www.computerweekly.com/news/252483308/Multiple-network-outages-costing-enterprise-businesses-millions-of-pounds-a-year).

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