INTEGRATED DATA CENTER OPERATIONS SYSTEM

One operating view, top to bottom.

Full-stack infrastructure visibility — from business services down to the hardware and power environment layer.

Enterprise infrastructure is no longer managed through one domain. A single business service depends on applications, middleware, databases, operating systems, virtual machines, cloud platforms, servers, storage, network, security, and power environment systems. Most teams have tools for some of these layers, **but the data is fragmented** — and when a service degrades, teams still spend too much time asking where the problem is.

Sensaka IDCOS unifies infrastructure monitoring, service visualization, topology, alarms, asset data, operational analytics, and workflow integration on one platform — giving IT and data center teams a shared operating view from business services down to the facility layer.

AT A GLANCE

5 layers
Business · App & middleware · Data & compute · Infra · Environment

9 modules
Business, resource, topology, links, energy, alarms, reports, 3D, integration

1 shared view
App, network, hardware, and facility teams operate from one truth

Hybrid
Multi-vendor, multi-cloud, on-prem & physical infrastructure

COVERAGE

Apps · Middleware · Databases · OS · VMs · K8s · Cloud · Servers · Storage · Network · Security · UPS / PDU · Cooling · Access

FROM FRAGMENTED MONITORING TO INTEGRATED OPERATIONS

The signals that used to live in silos, connected.

IDCOS connects infrastructure signals that are usually split across tools — applications, OS, databases, middleware, cloud resources, virtual machines, Kubernetes, servers, storage, network, security, and dynamic environment equipment (UPS, precision air conditioning, PDU, temperature & humidity, fire protection, access control). One platform, one operating picture.

CORE CAPABILITIES

01

Full Stack Monitoring

From application and business service layers down to virtualization, cloud, OS, databases, middleware, network, storage, hardware, and power environment systems.

02

Business Service Visualization

Map business systems to the underlying IT resources that support them — so teams can immediately see whether an issue is at the app, data, network, hardware, or facility layer.

03

Topology Monitoring

Visualize dependencies across business systems, infrastructure resources, network links, and hardware components — a faster path from symptom to likely root cause.

WHY SENSAKA IDCOS

From symptom to root cause, *in* one operating layer.

THE PROBLEM

Too many tools. Too few answers.

When users report slow access, frozen pages, failed transactions, or interruption, teams still manually check separate systems to find which layer caused the issue. Application teams see app alerts; network teams see network events; hardware teams see device alarms; facilities see power and cooling signals.

Asset records drift, resource data sits in silos, link status lacks unified statistics, and real-time business-level visibility is missing.

WHAT IDCOS CHANGES

One integrated operating layer.

IDCOS doesn't only collect metrics — it connects resource health, topology, business dependency, alarms, capacity, power, asset data, and operational workflows. Teams can finally answer:

- Which business service is affected?
- Which infrastructure layer is abnormal?
- Which devices, DBs, links, VMs, or middleware are involved?
- Is this app, network, hardware, or environment?
- Which team should respond first?

KEY USE CASES

Business service health

Real-time health of business services and the infrastructure that supports them — in one view.

Cross-layer root cause

Trace a user-facing issue to app, middleware, DB, OS, VM, cloud, network, storage, hardware, or environment.

Hybrid infrastructure

Unify private cloud, public cloud, VMs, containers, OS, and physical infrastructure under one operating layer.

Network & link visibility

Switches, routers, load balancers, firewalls, dedicated lines, port traffic, packet loss, OSPF, BGP, optical attenuation.

Infrastructure & facility

Server, storage, security, UPS, PDU, precision AC, temperature, humidity, access control — one operational view.

CMDB & ITSM alignment

Use real infrastructure data to improve CMDB accuracy and connect alarms or events to ITSM workflows.

BUSINESS IMPACT TO ROOT CAUSE

From a user complaint to the exact failing layer.

Correlation flow.

FIG. 02 / IMPACT → ROOT CAUSE

BUSINESS IMPACT

ROOT CAUSE DOMAIN