



DATA SHEET

Rocana Ops Delivers Total Visibility

As a forward thinking CIO or technologist, you know IT can be a strategic competitive advantage. You want to lead the digital transformation of your business, but how can you if you don't have the visibility you need to align IT metrics with business results?

Rocana Ops challenges all the assumptions

Legacy IT monitoring approaches come with a built-in assumption that visibility must be constrained by technology, cost, or both.

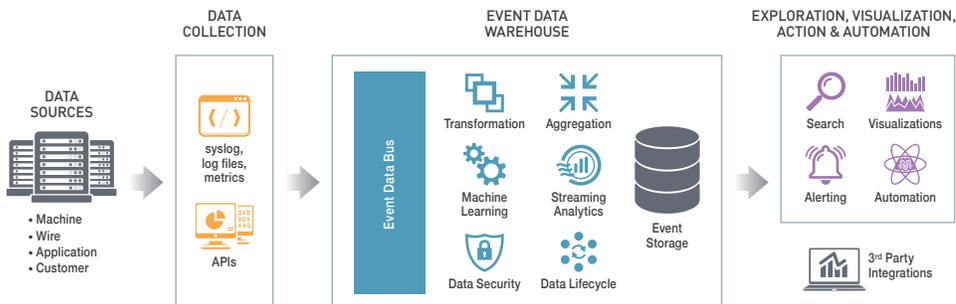
Rocana Ops completely redefines what is possible. Capture millions of events per second from thousands of diverse sources totaling petabytes per month. Search and analyze all data for years starting from the moment it is captured. Intelligently automate real-time action and alerting to any vital condition in your environment. Scale, without downtime or the need to manually rebalance or re-index anything, simply by adding another commodity x86 server. All with a predictable user seat-based pricing model that doesn't change based on data volumes or age.

Monitor all sources, all the time, with one unified solution

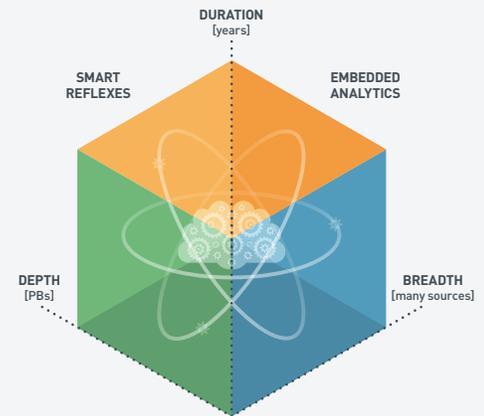
Your IT systems interact in complex ways. Seeing those interactions requires capturing all your operational data into a single unified solution that lets you interleave and correlate data from different systems as needed.

With Rocana Ops, you can capture machine generated data from virtually any source. This includes SaaS or on-premise applications, PaaS (e.g. Cloud Foundry), IaaS (e.g. AWS, OpenStack), VMs, databases, web servers, firewalls, network switches, wire (e.g. ExtraHop), mobile endpoints, and much more. Even machine generated business and user metric data such as APM and website clickstream data can be captured using Rocana Ops.

In aggregate, all your sources could easily generate millions of events per second. No worries. Rocana Ops' massively scalable, Kafka-based event data bus ensures all your data is delivered to the Rocana Ops event data warehouse, without loss, within subseconds of having been captured.



► Rocana Ops is a pre-configured, optimized, and turnkey solution that enables you to capture, analyze, and take real-time action on operational data across your IT environment.



VISIBILITY ACROSS ALL DIMENSIONS

Rocana Ops eliminates the technical and cost challenges associated with legacy IT monitoring approaches, enabling you to gain value from your operational data like never before:

- **BREADTH** – Capture data from thousands of diverse sources.
- **DEPTH** – Capture millions of events per second, totaling petabytes of data per month.
- **DURATION** – All data is online searchable for years starting from the moment it is captured.
- **ANALYTICS** – Advanced machine learning and anomaly detection help you spot unexpected issues as they arise.
- **INTELLIGENT AUTOMATION** – React instantly with full automated alert and workflow orchestration capabilities.

And because Rocana Ops is an open platform, you can enable access and analysis by various stakeholders and tools of their choice.



A data warehouse for machine-generated data

As data is ingested into the Rocana Ops event data warehouse, it passes through many of the same high value-add services you'd expect to find in a premium business data warehouse. These include transformation services (e.g. cleansing data or enriching it with data from other sources, such as an IP lookup service), analytics services including aggregation and anomaly detection (more on that below), indexing services for maximum search performance, local replication services for high availability, and remote replication services for disaster recovery (if enabled and configured). In addition, Rocana Ops' built-in data lifecycle management service enables you to pre-establish policies for automatically purging data as soon as it reaches a specified age.

Get the answers you need... right now

Aging out operational data to warm or cold storage is badness. At best it puts speed bumps between your data and those who want to extract value from it. At worst, it prevents any value extraction whatsoever. Rocana Ops' proprietary Search capability eliminates the need to age out anything prematurely by delivering up to 10x faster performance than competing technologies on comparable hardware. By making it economically feasible to keep all of your data on always hot, low cost SATA JBOD storage, Rocana Ops enables you to search 2-year-old data as easily as 2-day-old data, and answer questions that would have been impossible otherwise.

With Rocana Ops, you also never need to wait for newly captured data to be indexed before you can begin analyzing it. Start searching your data the moment it has been captured using the included search interface, third party reporting and analysis tools like Tableau or Microsoft Power BI, or even data mart technologies like Splunk. Moreover, as your cluster grows, you never have to rebalance or reindex anything to retain search performance.

Avoid unexpected problems with built-in analytics, alerting, automation, and visualizations

Rocana Ops helps you extract even more value from your data with built-in anomaly detection that is automatically applied by default to all events as they are ingested. This enables Rocana Ops to learn what is normal behavior across your entire IT environment. Whenever abnormal behaviors are detected, they are brought to the attention of IT operators via fully customizable alerts and an intuitive visual interface that enables rapid root cause analysis. You can even specify automated reactions, such as opening a support ticket on ServiceNow or provisioning additional capacity on Amazon Web Services. The result: Spot and quickly respond to emerging issues before they turn into disasters, even in places you never would have thought to consider otherwise.



► Intuitive visualization and built-in anomaly detection enable you to see across data sources and identify abnormal activity.

VALUE ACROSS THE ENTERPRISE

CUSTOMER SATISFACTION – Identify exactly when and why an end-user had a bad experience.

CAPACITY PLANNING – Use YoY comparisons to prepare for this year's Black Friday or other recurring event.

SECURITY FORENSICS – Find out when and how an Advanced Persistent Threat attack began.

COMPLIANCE – Exercise greater oversight and respond to audit questions faster.

SITE RELIABILITY – Minimize the risk of being caught offguard by unexpected problems.

COLLABORATION – Replace disconnected information silos with a single source of event data truth.

TOOLS CONSOLIDATION – Reduce point solution monitoring tools and associated OPEX costs.

And much more!

In addition, the Rocana Ops interface enables you to visually correlate data sets and metrics from different sources on the fly, and create custom views. Empower your technologists to see across your IT environment as they've never seen it before. Solve problems faster by ensuring all teams are working from and looking at the same information and views.

ROCANA OPS FEATURES

Data Collection

- High throughput (100+ TB/day), sub-second latency event data collection
- Supports most data sources including syslog, log files, APM, NetFlow, StatsD, etc.
- Location agnostic—Sources can be on-premise, private cloud, or public cloud

Data Storage

- Unlimited scalability with built-in data redundancy for availability and disaster recovery
- Open format for event storage; direct-access using common SQL interfaces
- Optimized storage formats for different data types to improve query response times

Data Analysis

- Search performance doesn't degrade with data volumes or age
- Built-in anomaly detection identifies unexpected issues anywhere in your environment
- Real time alerting and workflow orchestration plus intuitive visualizations enable IT operators to spot problems, drill down, and react quickly
- Perform side-by-side comparisons such as the same source for different times, different sources (like a web stack – nginx, tomcat, oracle) at the same time, and more
- Create custom metrics in support of business-centric analytics
- Perform in-flight custom transformations and augmentations such as Geo IP lookups
- Analyze data with 3rd party tools including Tableau, ZoomData, and Microsoft Power BI

Data Management

- Event data lifecycle and automatic pruning configurable by policy
- Event data collection configuration managed from central location
- Built-in role-based access control with Active Directory integration for centralized user management
- Fault-tolerant to avoid data loss following network outages and other issues

Time-to-Value

- Pre-optimized and pre-configured solution can be up and running in days

Licensing

- Predictable, seat-based licensing model. Rocana Ops costs the same whether you ingest 10TB or 100TB per day
- No data retention limits or extra charges based on total volume of data

System Requirements

- Bare metal: 9 nodes minimum: Dual Xeon v3-4 26XX 12-14 core CPUs, 32-256 RAM, 22 2-6 tb SAS, 12 2-6 tb SATA, 10 gb NIC
- IaaS: 9 nodes minimum, AWS or Google Compute Engine
- All: Oracle JDK 7_x; RHEL/CentOS/OEL 5-7; Hortonworks HDP 2.3.x or Cloudera CDH 5.4.0 or higher (consult Rocana Sales for caveats)
- Oracle Big Data Appliance running any supported version of Cloudera CDH

ABOUT ROCANA

Rocana gives technology leaders total operational visibility, eliminating the silo boundaries of legacy IT monitoring and enabling digital transformation. Rocana Ops acts as a central nervous system for enterprise IT, capturing event data from all sources, processing and instantly analyzing events at scale so that IT can take informed and immediate action. By combining total operational visibility with advanced machine learning and intelligent automation, Rocana Ops gives IT the ability to see and react instantly to emerging issues anywhere in the environment and surface opportunities for innovation.

REQUEST A DEMO TODAY info.rocana.com/try-rocana-ops

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