Actian Services

Enterprise Monitoring Appliance Plus

Monitor, Alert, Fix

Proactive Database Monitoring and Alerting

The Actian Enterprise Monitoring Appliance Plus (EMA+) is a single interface for monitoring your Ingres/Vector environment. The EMA+ can be configured to monitor and display a considerable number of Ingres, Vector, Operating System, Network and HVR data points. An EMA+ can proactively monitor multiple servers, installations and databases around the clock, providing early warnings and alerts so you can quickly resolve problems or prevent them from occurring.

Performance and Trend Analysis

The EMA+ includes a performance module to quickly identify problems which can help maximise system efficiency by fine tuning the Ingres configuration and database layout. A data repository within the EMA+ facilitates fault investigation, capacity planning, retrospective analysis and SLA reporting.

Key Benefits

- Proactive Monitoring and Alerting
- Reduce Incidents
- Improve Stability and Availability
- Improve Performance
- Custom Setup
- Full System Visibility
- Graphical Interface

Service Checks

The EMA+ includes a comprehensive set of Service Checks:

X100/Vector:

- PDT memory
- Write-Ahead log
- Error log file check
- Active sessions
- Committed transaction memory
- Index memory
- Open transactions
- Query execution memory
- X100 process

Availability:

- Server*
- Installation*
- Database* (*suitable for uptime and SLA reporting)

Network:

- Latency check

Performance:

- Long running query (LRQ) detection
- DMF cache analysis
- Locking analysis
- Logging analysis
- Dbmsinfo analysis (CPU, DIO, BIO)
- Database health review

Backup:

- Checkpoint check (validity, existence and freshness)
- Cloud backup check

HVR:

- HVR error log file check
- Scheduler and Job check

Status Reports:

- Checkpoint, journal, disk usage and error log file

Actian X/Ingres:

- Ingres processes check
- Transaction log file check
- User session count
- User connect count (GCC/GCD)
- Locking check - time based
- Locking check - percent based
- Error log file check
- License check

Operating System:

- CPU check
- RAM and swap memory check
- Disk usage check
- Disk I/O performance

Quick Install

The current release is EMA+ A (Affinity) and is based on CentOS, Nagios, Apache and Ingres components and is supplied as a bundled image which can be deployed on most VM's. It has a modest footprint requiring 2 vCPU's, 4GB RAM and 40GB storage.

Custom Setup

The EMA+ is highly configurable. Alerts are sent when defined thresholds are breached. Bespoke plugins can be added to monitor specific activity e.g. batch job completion, daemon processes.

Service Level Agreements and Escalations

The EMA+ can accommodate Service Level Agreements (SLAs) and can be integrated with IT Service Management software. It records and can report system availability and uptime statistics.
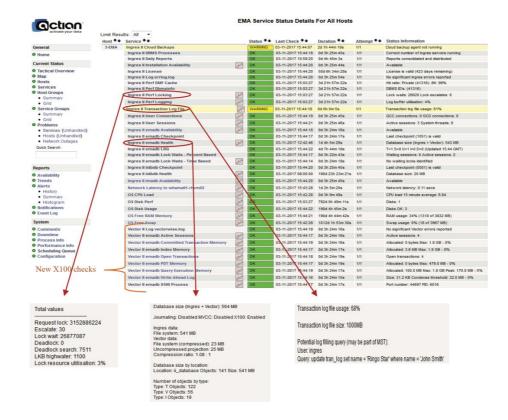
Graphical Interface

A single graphical interface can view your entire estate. The example below shows the Services screen, showing just 1 server (3-EMA), 1 installation (II) with 1 main database (emadb) with a few Service drill downs:

About Actian

Actian makes data easy. We deliver cloud, hybrid and on-premises data solutions that simplify how people connect, manage, and analyze data. We transform business by enabling customers to make confident, data-driven decisions that accelerate their organization's growth. Our data platform integrates seamlessly, performs reliably, and delivers at industry-leading speeds. Learn more about Actian, a division of HCLSoftware: **www.actian.com**

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