

Actian Enterprise Monitoring Appliance

Monitor, Alert, Fix

Key Benefits

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

Proactive Database Monitoring and Alerting

The Actian Enterprise Monitoring Appliance (EMA) is a single interface for monitoring your Actian X and Ingres environments. The EMA can be configured to monitor and display a significant number of database, 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 Actian X and Ingres configurations and database layouts. A data repository within the EMA facilitates fault investigation, capacity planning, retrospective analysis and SLA reporting.

Service Checks

The EMA includes a comprehensive set of Service Checks:

Availability:

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

Performance:

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

Backup:

- Checkpoint check (validity, existence and freshness)

Network:

- Latency check

Actian X and 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

HVR:

- HVR error log file check
- Scheduler and Job check

Status Reports:

- Checkpoint, journal, disk usage, error log file

Quick Install

EMA is supplied as a Docker image and an installer packaged as a tar file. The minimum footprint is 1 (Docker) processor, 1 GB (Docker) ram, and 16GB storage for configuration and history.

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:

The screenshot displays the Actian EMA interface. At the top, it shows 'Current EMA Network Status' with details like 'Last Updated: Thu Dec 8 14:59:29 GMT 2016' and 'Nagios@Core™ 4.0.8.EMA - www.nagios.org'. Below this are summary statistics for 'Host Status Totals' and 'EMA Service Status Totals'. The main section is 'EMA Service Status Details For All Hosts', which is a table with columns for Host, Service, Status, Last Check, Duration, Attempt, and Status Information. Several services are circled in red, including 'Ingres II Perf DMF Cache', 'Ingres II Perf DMF Info', 'Ingres II Perf Locking', and 'Ingres II Perf Logging'. Below the table, there are three panels: 'Total values' for lock and escalation metrics, 'Total values' for database transactions and buffer wait times, and a 'Database = emadb' section showing query logs with details like '1 10:46 emadb ingres 00007F1C7D3A4580 57601 modify pw_temp1_3 to btree on id'.

For more information and to discuss your needs, please contact Actian Services at services@actian.com



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