



GENIUS AI – Augmented Intelligence



Benefits

- System Alerting
- Automated Comprehensive Surface Testing
- Internal Escalation Processes
- Reports for Analysis
- Capacity Planning
- Before and After Analysis
- Action Strategy
- New Perspective on User Activity
- Peace of Mind



Application Insight, Infrastructure Monitoring & Performance Analytics

GENIUS AI is a service platform for aggregating information from any application in your ecosystem. As an Application Intelligence Platform ("AIP"), GENIUS AI can pull data from any of your application data sources and provide modern, interactive dashboards and insights within its secure portal. Using machine learning and intelligent insights, GENIUS AI provides Augmented Intelligence to empower you with a deeper and broader view of your systems. You can see everything going on in your various software packages, and make informed, proactive decisions to improve performance and user experience.

GENIUS AI is an extensible platform designed to quickly incorporate new application monitors to bring a full-spectrum view of your application footprint. The GSI product developers are continually adding new monitors based on the requests of our clients.

Types of Monitoring

- Enterprise Servers - Application, Integration, etc.
- Application – System Availability and Health Application
- Web Servers – WebLogic, WebSphere
- Database Management System – Oracle, SQL Server, DB2
- Operating System – Linux, AIX, IBM i, Windows
- Network – Local Area Network and Wide Area Network

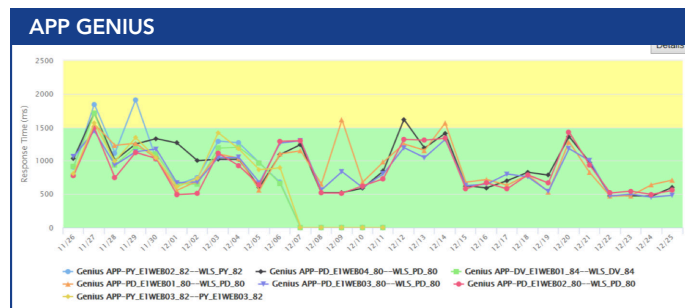


ERP Expertise.
Business IQ. Cloud Sense.

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APP GENIUS –

Experience has clearly shown that even the most detailed infrastructure monitoring can show that all the services which make up an application can be functioning properly, but the application can still be down from the user's perspective, which is what matters most. With this in mind, we've created APP GENIUS, to perform the most extensive test of the application possible.

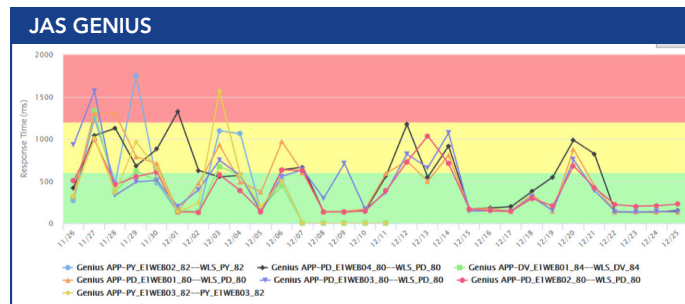


APPLICATION MONITORING – We've created several application specific monitors including: RTE, AIS, OVR, Server Manager, and BSSV. Also, we've developed 3rd party monitors for DSI and WebLogic.

DB GENIUS – Behind every EnterpriseOne application server is a database on a database server or cluster. Database servers are often shared among multiple applications, so DB GENIUS monitors both the overall health of the database engine, as well as numerous JD Edwards specific metrics about users, jobs, and performance, taken directly from the JD Edwards tables.

E1 GENIUS – The EnterpriseOne application service is at the heart of JD Edwards, constantly moving data between the JAS and database servers. E1 GENIUS taps directly into the E1 application engine for all the key statistics surrounding processes, kernels, JAS connectivity, database connectivity, and more.

JAS GENIUS – JAS Servers are the face of the JD Edwards application, providing its web-based user interface. JAS GENIUS looks under the hood of the JAS Servers, by monitoring all the critical components of the web services.



UBE GENIUS – We've created UBE GENIUS specifically to provide in-depth insights into the operation of batch jobs. UBE GENIUS dynamically discovers and monitors each queue and batch job, providing a historical view to the patterns of both, as well as notifying the AppCare team of any anomalies in the patterns via real-time alerts. Captured metrics includes but not limited to: Daily Job Totals, Scheduler Health, Next Job Number, Specific Job Detection, Longest Running Jobs.



Application Health EnterpriseOne, WebLogic, WebSphere

- Automated User Experience Testing
- Instance Level CPU/Memory
- Advanced Batch Job Status
- Advanced User Activity
- WebLogic and WebSphere JVM Health
- JDE Services/Processes
- Queue Stats (Jobs Wait/Active)
- Kernel Stats
- JDE Security Alerting


Database Health Oracle, MSSQL, DB2


- Buffer Hit Cache Ratio
- Compilations
- Number of Connections
- DB Page IO
- Index Searches
- Page Life Expectancy
- Full Table Scans
- Latch and Lock Wait Times
- Deadlock and Lock Timeouts
- Requests for Locks/Latches Waited
- Total SQL Transactions
- Page Splits
- Temp Work Files and Tables Created



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GENIUS vs. Server Manager		
		Server Manager
Business Systems		
JD Edwards EnterpriseOne	•	•
JD Edwards World	•	–
RFSmart/DSI	•	–
Hyperion	•	–
PeopleSoft / E-Business Suite / NetSuite	•	–
SAP	•	–
...PLUS many, many more!	•	–
Scheduler		
24 / 7 / 365	•	–
Surface Test		
Automated	•	–
Measures Performance	•	–
Metric History	•	–
Frequency	Every 5 Minutes	Manual
Scope	Web Server Instance	Web Server Instance
BSSV/RTE/OVR/AIS	•	–
JAS		
JVM Memory Metrics	•	•
User and Application Metrics	•	•
Metric History	•	–
Queues		
Real-time Jobs Active / Waiting Metrics	•	•
Metric History	•	–
Jobs-Waiting Alert Threshold	•	–
Process Metrics		
Metric Totals by Kernel Type	•	–
Metric History	•	–
Alert Thresholds on Any Metric	•	Limited

GENIUS vs. Server Manager		
		Server Manager
Database Monitoring		
Oracle / Microsoft / iSeries	•	–
Buffer Cache	•	–
Physical IO	•	–
Full / Long Table Scans	•	–
Deadlocks - Latch / Lock Waits - Timeouts	•	–
Total SQL Transactions	•	–
Log Monitoring		
Individual Log Viewer	•	•
Aggregate Log Viewer (All Logs)	•	–
Alert on Custom Phrase	•	–
Advanced Log Analytics	•	–
Interface Graph Flexibility		
Overlay Multiple Metrics	•	–
Overlay Multiple Servers	•	–
Real-Time Alert Dashboard	•	–
Create Custom Dashboards	•	–
Historical Reporting / Trend Analysis		
Automatic Scheduled Delivery	•	–
Selected Metric History	•	–
All Alerts History	2 Years	24 hours
Current Threshold Summary	•	–
Application Monitoring		
BSSV	•	Limited*
RTE	•	Limited*
AIS	•	Limited*
DSI	•	–
REST Compliant	•	•

*Requires 9.2.2

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GSI, Inc.

As a certified Oracle Platinum Partner and a recognized industry leader, GSI, Inc. (GetGSI.com) specializes in providing a broad spectrum of business, functional, and technical consulting services for Oracle JD Edwards, Oracle NetSuite, Oracle Cloud, Salesforce, ServiceNow and other enterprise applications. The company also offers an extensive array of cloud/hosting options to meet the specific requirements of an organization including: Oracle Cloud, Amazon Web Services (AWS), Microsoft Azure and JDE Cloud®. GSI's comprehensive suite of solutions include AppCare, a 24/7 managed service; GENIUS AI, an Application Intelligence Platform (AIP) for creating application health and user experience monitors; GENISYS, a solution for modeling, measuring and maximizing system performance; gShield, a security application; and RapidReconciler®, its inventory reconciliation software. GSI consulting services are backed by its signature 100% guarantee. Founded in 2004, the rapidly growing company is headquartered in Atlanta with locations nationwide. GSI, Inc. was named to Inc. Magazine's Inc. 5000 list of fastest growing companies for two consecutive years.



Operating System Health

- Windows, Linux
- CPU and Memory Utilization
- Disk Utilization/Performance
- Network Utilization and Errors
- Windows Event Log for Errors



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