AUDITime

CASE STUDY

SOFTWARE TESTING
RISK & AUDIT SERVICES
INFORMATION SECURITY

Leading Stock Exchange of India

Robust & Effective Data Access Monitoring in the most sensitive business with daily turnover of around $20 Bn (USD)

Company Profile

Information Technology is the backbone of success for leading Stock Exchange of India, that necessitates the seamless functioning with robustness and ability to perform at peak load efficiently. This stock exchange has been at the forefront in spearheading technological changes in the securities market. It is necessary to focus on Information Technology to retain the primacy in the market. In recognition of the fact that technology will continue to redefine the shape of the securities industry, this Exchange stresses on innovation and sustained investment in technology to remain ahead of competition.

Objectives

The Exchange wants to understand and keep evaluating Database Activity at all the critical levels through appropriate mode. As the transactions involve huge volume of money every hour, it is important for the Exchange to safeguard the information used in the transactions. This is available in the form of static data and moving data. Thus, databases draw very high attention from security perspective. Followings were broad requirements from The Exchange;

- The ability to independently monitor and audit all database activity.
- The ability to store this activity securely outside the database.
- The ability to aggregate and correlate activity from multiple heterogeneous Database Management Systems (DBMSs).
- The ability to enforce separation of duties on database administrators.
- The ability to generate alerts on policy violations.
- Database Collection technics like Network Monitoring, Remote Monitoring, Local Monitoring and moving from Network, To Hybrid, and To Agents.

Implementation and Planning

As preferred partner of IBM for their Security Suite, AUDITime studied the requirements meticulously backed up by Information Security Expertise and deep domain experience of Capital Market & Exchange Software Systems. With carful planning and acceptance of stakeholders objectives, IBM's Info Sphere Guardium for 'Data Access Monitoring – DAM' has been implemented effectively in The Exchange.

Results

As a part of overall scope, AUDITime also recommended Certified Hardware Appliance solution for Network Monitoring with IBM Info Sphere Guardium. The outline of solution from AUDITime is as under

- Database Collection technics like Network Monitoring, Remote Monitoring, and Local Monitoring has been implemented using Hardware Appliance.
- IBM Info Sphere Guardium Physical Appliance installed and implemented and configured successfully.
- DAM Policy Creation, Content Based Policies, Alters, Work Flow and Reporting successfully implemented.
- Advance features like Content Discovery, Connection Pool User Identification, and Application Activity Monitoring successfully implemented.
- A Blocking and Enforcement, Pre-Configured Application Policies, Pre-Configured Compliance Policies, Change Management and Vulnerability Assessment feature of the product was implemented.

Copyright: AUDITime Information Systems (I) Ltd.

Leading Stock Exchange of India

CASE STUDY

SOFTWARE TESTING
RISK & AUDIT SERVICES
INFORMATION SECURITY

About AUDITime

AUDITime is End-to-End assurance service provider with expertise in Risk & Audit, Software Testing & Integrated Quality Management and Information Security. Our company includes experts in areas of banking, financial services, insurance, risk and compliance, technology effectiveness, investigations and quality assurance. We are more accessible, adept and cost effective than our competitors in delivering value to our customers.

AUDITime Information Systems (India) Ltd
A - 101, Kailas Industrial Complex, New Hiranandani Road,
Parksite Vikhroli (West), Mumbai 400079. India

For more information
Contact us: info@auditimeindia.com
Visit us: www.auditimeindia.com

Copyright: AUDITime Information Systems (I) Ltd.