



Mantra Data Compliance Increases Customer Trust, Improves Operations, and Reduces Cost

Data compliance, driven by regulatory mandates, is a concern for enterprises that house sensitive information. Netezza's Mantra Enterprise appliances solve this compliance business need. Mantra provides built-in reports for compliance regulations, including SOX, PCI, HIPAA. For environments with stringent privacy requirements, Mantra also offers real-time risk management alerts and protection against data loss.

Mantra is a purpose-built compliance appliance designed for large-scale, heterogeneous, enterprise environments. Mantra offers enterprise-wide compliance, risk, and governance views across all data repositories, including transactional databases, data warehouses, and file servers. Netezza's data compliance solution measures adherence to these controls through exception analysis and reporting. Mantra also provides insightful at-a-glance dashboards enabling compliance and security professionals to quickly spot and diagnose issues. Supporting these dashboards are built-in summary and detailed compliance reports that can focus on a particular system or roll up the entire enterprise. With Mantra Enterprise, your compliance and security needs are under control.

Performance, Simplicity, Value

Performance

Mantra appliances use patent-pending technology to monitor data server activity. Our purpose-built compliance appliance analyzes, reports, and searches audit data with blazing speed. And Mantra stores months of complete audit and compliance data providing deep forensic analysis.

Simplicity

Mantra is an easy-to-use appliance that delivers auditing and compliance out of the box, using built-in policies and reports. Mantra is up and running in a day, enabling data owners, compliance officers, and security officers to create and maintain compliance controls and security policies without deep technical skills or intimate knowledge of privacy regulations.

Value

Implementing the Mantra solution is quick and easy, ensuring fast time to value. The Mantra appliance requires minimal ongoing administration providing an overall low total cost of ownership. There are no hidden costs.

Audit and compliance efforts are time consuming, error prone, and costly. Mantra significantly increases visibility, provides demonstrable compliance control metrics, and reduces errors. Netezza's Mantra Enterprise solution effectively and efficiently reduces your audit and compliance burden.

Key Features:

- 3-in-1 solution—audit, compliance, security
- Purpose-built appliance
- High-performance—monitor, analyze, report
- Hardened for security
- Deploys quickly
- Easy to use and maintain



Scope

- Translate compliance reqs into IT controls
- Discover databases, users, and sensitive data

Audit

- Filter activity based on compliance controls
- Audit compliance activity

Report

- Create compliance reports
- Distribute reports with workflow

Review

- Analyze compliance activity for exceptions
- Alert on unauthorized activities

Data Auditing and Compliance

Data Auditing involves monitoring and recording user access to stored enterprise data. Information is the life blood of the enterprise and must be audited and protected. Depending on the nature of the enterprise, it could include healthcare data, financial data, credit card data, customer data, and/or intellectual property.

Data auditing helps assure data by answering four basic questions:

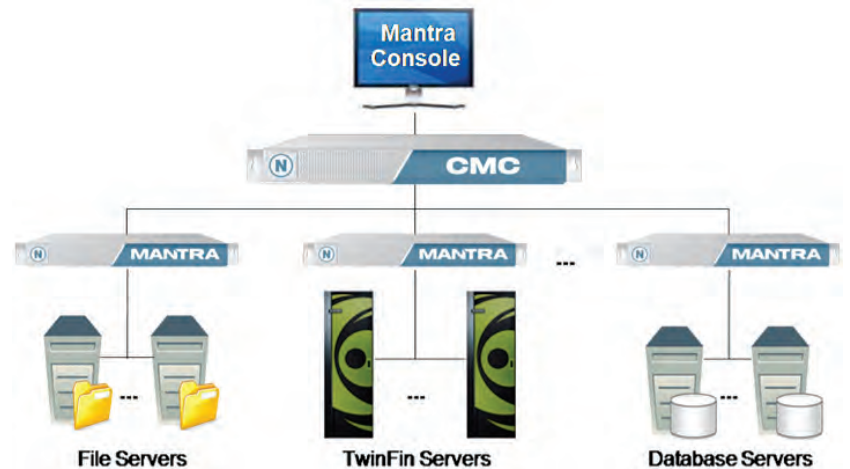
- Who accessed stored data?
- What information was accessed?
- Where was the data stored? Where did the access originate?
- When was the information accessed?

Data Compliance validates that an enterprise's controls adhere to the applicable regulatory and privacy standards, and measures the effectiveness of the compliance controls.



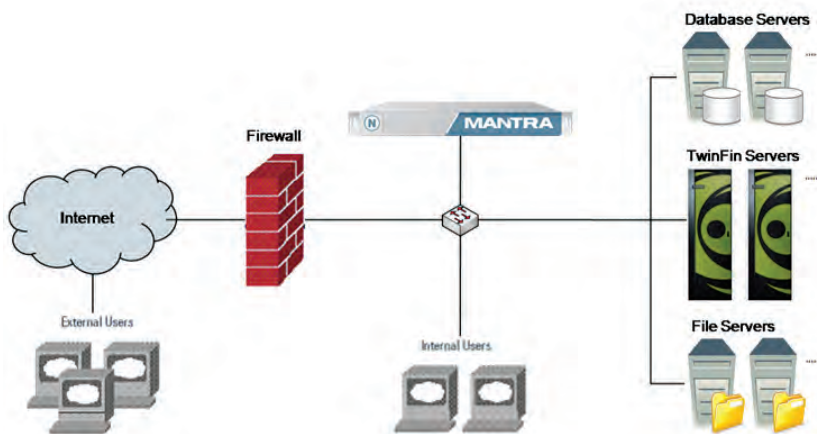
Mantra Architecture

Mantra Enterprise may look like a typical architecture, but it's not! The Centralized Mantra Controller (CMC) is a true command and control module. It manages the Mantra infrastructure and user commands, but it does not aggregate data across the enterprise. That would be a serious design flaw! Rather, each of the distributed Mantra appliances is an independent data collector, an independent data store, and an independent data analyzer. Mantra Enterprise's architecture delivers parallel processing for analytics and reports, and storage of over 1 Billion events. Simply put, Mantra Enterprise provides impressive performance and scalability.



How Mantra Works

A passive, non-inline appliance that's transparent to your existing data infrastructure, Mantra plugs into to your network and has no performance impact on applications, systems or processes. Mantra watches all traffic to and from your data stores in real time, plus all commands that are executed locally on the data server. Mantra is also able to capture monitoring and audit information even when data is encrypted. Patent-pending Behavioral Fingerprinting® technology identifies suspicious behavior in real time and generates alerts to prevent unauthorized user activity.



Mantra Reports and Workflow

Mantra generates a broad range of built-in and custom reports. These reports provide insight into critical activity and provide demonstrable proof of your compliance controls. Additionally, integrated workflow capabilities automate report distribution and multi-level approval.

User DDL (detail)
DDL operation event counts by server/User

Nemaza
MANTRA

Number of Columns Matching All Patterns (top 20)

| | | | | | | | | | | | | | |
|------|----|-------------------------|---|------------|---|----------------------|---|--------------|---|------|---|-----------------|---|
| Visa | 30 | DinersClubInternational | 8 | MasterCard | 7 | SocialSecurityNumber | 5 | DiscoverCard | 3 | Solo | 1 | AmericanExpress | 1 |
|------|----|-------------------------|---|------------|---|----------------------|---|--------------|---|------|---|-----------------|---|

Pattern: DinersClubInternational

Number of Columns Per Database for DinersClubInternational Pattern (top 20)

| | | | | | | | |
|---------|---|--------|---|---------|---|------------|---|
| LCORADB | 3 | tztest | 3 | DRCLLOG | 1 | dataleakdb | 1 |
|---------|---|--------|---|---------|---|------------|---|

Mantra Workflow Notification

Nemaza
MANTRA

3:50:39
E 512 (100%)
Confidence Factor 100%

On Mon, Sep 29th, 12:00PM report ScanAccDBs was Created by demith.
You are a reviewer on this report. To see the report, click here.

Aug 20, 2008 06:48: Page 4 of 14

Report Details

Created On: Mon, Sep 29th, 12:00PM
Created By: demith
Report Manager:
Description: Report SQL scan results for ScanAccDBs discovery profile.
Report Filename: ScanAccDBs-20090929-1200PM
Reporting Period: Mon, Sep 29th, 12:00AM to Mon, Sep 29th, 12:00PM
Query: (matched == true || matched == false)
Appliance: mantra3

To modify your workflow email preferences, click here.

DiscoveryScanMatches
Discovered User Report (Detail, filtered)

Nemaza
MANTRA

ServerInfo: master
ServerUser: sa

Operation: CREATE TABLE
EventID: 81
EventTime: 2007-08-28 11:37:15
Command: CREATE TABLE "ChangeControl" ("IsDef" "IF NOT NULL", "EmployeeID" "IF NOT NULL", "ChangeOrder" "datetime" NOT NULL, "Status" "varchar" NOT NULL,)

Operation: DROP DATABASE
EventID: 38
EventTime: 2007-08-28 11:37:15
Command: IF exists (select * from sysdatabases where name='SalesDB') --drop Database SalesDB

ServerInfo: SalesDB
ServerUser: dboadmin

Operation: ALTER TABLE
EventID: 3021
EventTime: 2007-08-28 11:37:29
Command: ALTER TABLE "Products" NOCHECK CONSTRAINT ALL

UserDDL Detail
Report Signatures

Last week's DDL activity, in detail, sorted by user.

Nemaza
MANTRA

| Signer | Status | Due | Change | Changed By | History | When |
|------------|---|------------|---------------------------|------------|---------|---------------------|
| Igray* | Waiting to Approve | 09-02-2009 | Signature Request Created | Igray | | 08-26-2009 00:00:00 |
| gdavis | Waiting for Signature | 09-02-2009 | Signature Request Created | Igray | | 08-26-2009 00:00:00 |
| Blaichfeld | Report Signed, Waiting for Approval from Markov | 09-02-2009 | Report Signed | Blaichfeld | | 08-27-2009 11:48:35 |
| | Report Signed, Waiting for Approval from Markov | 09-02-2009 | Signature Request Created | SPH | | 08-26-2009 00:00:00 |
| Hirance | Report Signed, Waiting for Approval from Markov | 09-02-2009 | Report Signed | Hirance | | 08-04-2009 09:43:17 |
| | Report Signed, Waiting for Approval from Markov | 09-02-2009 | Signature Request Created | SPH | | 08-26-2009 00:00:00 |
| Mbart | Report Signed, Waiting for Approval from Markov | 09-02-2009 | Report Signed | Mark | | 08-27-2009 09:44:31 |
| | Report Signed, Waiting for Approval from Markov | 09-02-2009 | Signature Request Created | Igray | | 08-26-2009 00:00:00 |

Table 1: Technical Specifications Management Tools and Mechanisms

| Management Tools and Mechanisms | | | |
|--|---|---------------------|---|
| Mantra Console | Standalone Java management application | SNMP | Standard MIB GETs, Traps |
| Management Interfaces | Two 10/100/1000 ports; Local console port | Software Upgrade | Remotely upgradable image and configuration stored on appliance-resident hard drive |
| CLI | Local console or SSH | Alerting Mechanisms | SNMP Traps, SYSLOG, Email notification |
| Web-Based | Via management application using HTTPS | | |
| Detection and Protection Mechanisms | | | |
| Detection Mechanisms | Contextual decoding, Behavioral Fingerprinting® | | |
| Response Mechanisms | Audit, Alert with detailed real-time forensics | | |
| Reporting Mechanisms | Web-based reports; Local logging (audit records, system events, alarms, and alerts); Export to HTML, XML, CSV | | |
| Hardware Platform | | | |
| CPU | 2 Quad Core 2.53GHz | Memory | 4 GB DDR2 1066 ECC DRAM |
| Mission Port | 6 x 10/100/1000 PCI (copper or fiber) | Management Ports | 2 x 10/100/1000 copper ports |
| Storage | Ultra 320 SCSI | | |
| Physical / Environmental | | | |
| Size | 1RU (including mounting hardware) | Power Supply | Single 550W power supply. Dual redundant power supplies available. |
| Weight | 17.69 kg (39 lb) | Power Wattage | 502W (Energy Smart Power Supply, non-redundant) |
| Height/Width/Depth (1U) | 4.26cm/44.24cm/77.2cm (1.68in/18.99in/30.39in) | Power Voltage | 90-264 VAC, auto ranging, (47-63 Hz) |
| Operating Temperature | 10 – 35 C (non-condensing) 50 – 95 F (non-condensing) | Max. Input Amps | 7.0A @ 90 VAC, 3.5A @ 180 VAC |
| Storage Temperature | -40 – 65 C (non-condensing) -40 – 149 C (non-condensing) | Heat Dissipation | 100-220 VAC |
| Humidity Operating | 20% – 80% (non-condensing) | Power Cord | NEMA 5-15P to C14, 15 amp wall plug (3m/10ft) |
| Humidity Storage | 5% – 95% (non-condensing) | AC Input | 100-220 VAC |
| Regulatory Compliance | | | |
| CC (U.S. only) Class A; ICES (Canada) Class A; CE Mark (EN 55022 Class A, EN55024, EN61000-3-2, EN61000-3-3); VCCI (Japan) Class A; BSMI (Taiwan) Class A; C-Tick (Australia/New Zealand) Class A; SABS (South Africa) Class A; CCC (China) Class A; MIC (Korea) Class A; UL 60950; CAN/CSA C22.2 No. 60950; EN60950 | | | |



Netezza Corporation
26 Forest Street
Marlborough, MA 01752

+1 508 382 8200 TEL
+1 508 382 8300 FAX

www.netezza.com



About Netezza Corporation:

Netezza (NYSE: NZ) is the global leader in data warehouse and analytic appliances that dramatically simplify high-performance analytics across an extended enterprise. Netezza's technology enables organizations to process enormous amounts of captured data at exceptional speed, providing a significant competitive and operational advantage in today's data-intensive industries including digital media, energy, financial services, government, health and life sciences, retail and telecommunications. Netezza is headquartered in Marlborough, Massachusetts and has offices in Northern Virginia, Canada, the United Kingdom, Germany, France, Japan, Korea, Australia and Singapore. For more information about Netezza, please visit www.netezza.com.