

# EMC Ionix for Data Center Automation and Compliance

## The Big Picture

- Automates manual, error-prone, and repetitive tasks
- Reduces the time to complete common IT processes by 90 percent
- Optimizes change and configuration management by verifying and validating proposed changes
- Measures IT business performance through key performance indicators
- Manages and monitors compliance against internal IT policies, best practices, and regulations
- Enables ad-hoc audits and quick creation of compliance reports
- Ensures compliance with VMware best practices

EMC® Ionix™ for Data Center Automation and Compliance helps you ensure effective configuration management and IT compliance for the virtual and physical data center—across servers, networks, storage systems, and applications. By providing continuous compliance analysis and consolidating and automating key IT processes, EMC Ionix reduces, by up to 90 percent, the time needed for many configuration, change, and compliance processes, enabling you to manage more than three times as many servers, network devices, and storage devices without adding staff. The solution also enables you to remediate compliance violations at either the virtual or physical level and accurately predict how proposed changes will impact other systems and applications.

## Gain transparency, eliminate risk, and reduce costs

The size and complexity of data centers will continue to grow rapidly, and the rate of change in the data center will only accelerate. Ionix for Data Center Automation and Compliance helps you avoid exploding costs and react quickly to changing business parameters by automating the vast majority of your daily IT activities and completing them in a fraction of the time.

Ionix for Data Center Automation and Compliance is one of EMC's family of next-generation IT management solutions. Unlike other management tools, EMC Ionix was specifically built for effective management of virtualization and the next-generation data center. Ionix for Data Center Automation and Compliance concentrates on core IT processes including discovery, configuration, and change and compliance management to address common IT challenges across three areas: IT governance, risk and compliance; data center change and configuration; and best practices for the VMware®-enabled data center.

## IT governance, risk, and compliance

Ionix for Data Center Automation and Compliance performs continuous compliance analysis with realtime violation alerting for internal governance, best practice, and regulatory compliance initiatives across the complete data center infrastructure. This allows you to:

- Rely on out-of-the-box compliance toolkits for common initiatives (PCI, SOX, HIPAA, etc.)
- Quickly and easily create user-defined policies based on all configuration, changes, and dependencies in your data center
- Continuously apply your policies across your physical and virtual infrastructure with realtime policy violation alerts and full reporting
- Remediate out-of-compliance objects back to a compliant state
- Eliminate risk and optimize your IT environment
- Report on and analyze compliance to simplify audits and enhance IT services

## Data center configuration and change

Industry surveys show that configuration and change operations account for more than 60 percent of costs in the typical data center—leaving only 40 percent of the budget for new IT initiatives and services.

Ionix for Data Center Automation and Compliance consolidates and automates key IT processes across the physical and virtual data center infrastructure so you can run IT more efficiently, reduce costs, and improve operational reliability and IT service delivery. The solution features an executive dashboard that continuously analyzes configurations, changes, and compliance status; it then transforms that data into the accurate, actionable, analysis-driven information you need.

Ionix for Data Center Automation and Compliance enables you to:

- Automate processes across storage, networks, applications, and servers
- Back up configurations and inventory for remediation and rollbacks
- Generate audit trail and forensics for all changes
- Get instant notification of devices with vulnerability issues
- Manage the entire SAN cycle through automated validations of SAN design and verification of interoperability and SAN best practices
- Measure IT business performance through key performance indicators
- Define and manage your key performance indicators and selectively compare infrastructure components against them
- Understand rate of change, correlate change with service levels, compare approved versus unapproved changes, and predict how changes will affect service levels

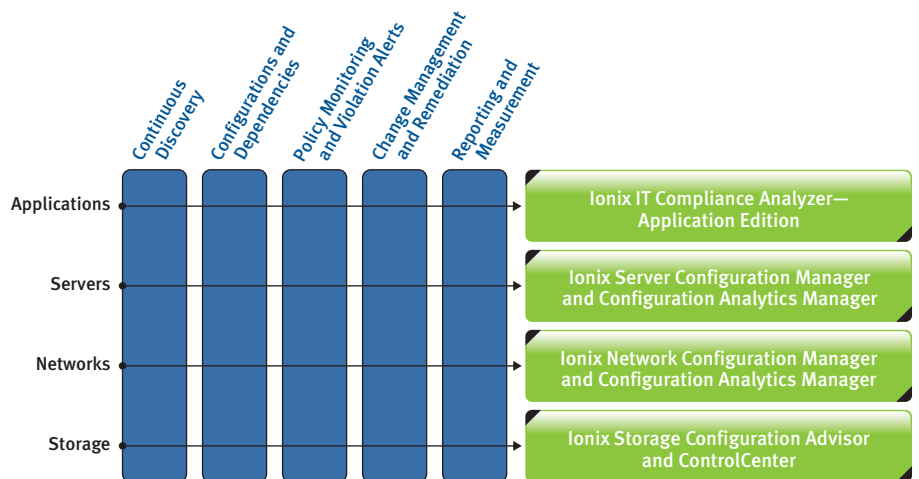
## Best practices for the VMware-enabled data center

Ionix for Data Center Automation and Compliance provides continuous discovery, dependency mapping, and policy management for VMware ESX Servers, virtual machines, physical servers, and applications. This helps ensure compliance with VMware best practices, resulting in enhanced performance, optimized resource allocation, faster mean-time-to-repair, and improved security.

Ionix for Data Center Automation and Compliance enables you to:

- Visualize all physical and virtual components and their interrelationships via one console
- Improve resource utilization by identifying unused or unmanaged virtual components
- Apply policies that continuously check that your applications and servers are optimally configured across physical and virtual environments
- Build effective disaster recovery plans to protect your business

EMC Ionix for Data Center Automation and Compliance comprises the following processes and components:



- **Ionix IT Compliance Analyzer—Application Edition**

Leverages the industry-leading discovery and dependency information of Ionix Application Discovery Manager to enable users to quickly and easily apply user-defined IT policies—with near realtime violation alerts and comprehensive reporting—to the configurations, changes, and dependencies of applications and hosts across physical and virtual environments.

- **Ionix Server Configuration Manager**

Enables continuous deep-level server configuration discovery, policy analysis, remediation, change management, and reporting with common compliance toolkits and full support for VMware environments.

- **Ionix Network Configuration Manager (formerly EMC VoyenceControl)**

Automates network device configuration discovery, policy analysis, remediation, change management, and reporting.

- **Ionix Configuration Analytics Manager**

Provides executive dashboards and compliance analysis over time to compare key performance indicators while correlating discovery data from Ionix Server Configuration Manager and Ionix Network Configuration Manager.

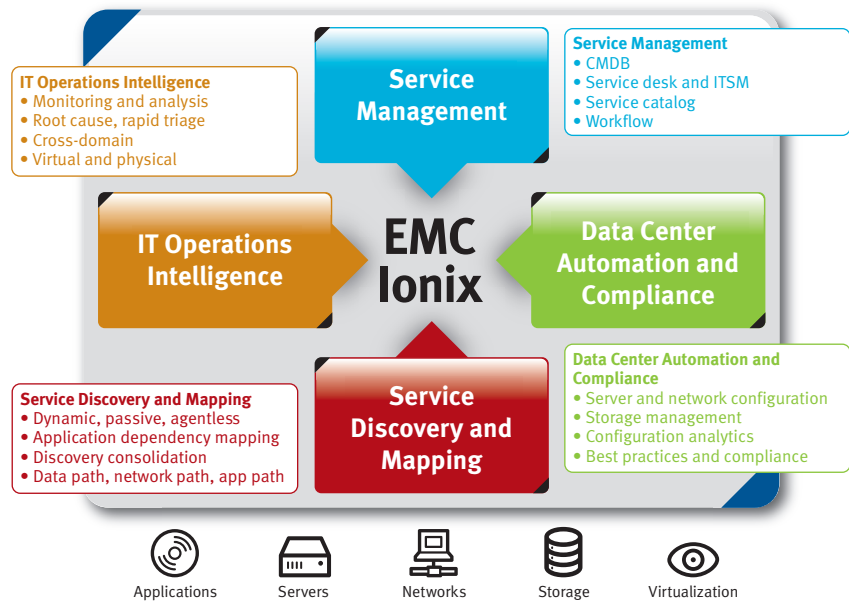
- **Ionix Storage Configuration Advisor**

Improves SAN service levels and operational efficiency by automating the processes of change tracking, configuration management, and path validation in near real time across the end-to-end storage infrastructure.

- **Ionix ControlCenter®**

Simplifies and automates storage discovery, monitoring, reporting, planning, and provisioning for large, complex physical and virtual infrastructures.

## About EMC Ionix



EMC Ionix is EMC's family of next-generation IT management solutions, created to support you on your journey from physical IT, to virtual IT, to cloud computing. Unlike existing management tools, EMC Ionix was built with virtualization and the next-generation data center in mind and leverages EMC's expertise across the data center. EMC Ionix solutions allow you to efficiently and effectively manage the full virtual and physical data center ecosystem—across networks, storage systems, servers, and applications—as well as the IT services that rely on these infrastructure elements. With Ionix solutions, you can solve today's management challenges, meet increasing service-level requirements, deploy virtual data centers faster, and build the foundation for data center innovations to come.

Stretching across four solution categories, EMC Ionix IT management solutions complement and extend VMware vCenter, helping you operationally manage beyond VMware to the broader, end-to-end data center of today, as well as to the cloud environments of tomorrow.



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### Take the next step

To learn more about how EMC Ionix IT management solutions can positively impact your business and IT operations, contact your local EMC sales representative, or visit our website at [www.EMC.com/Ionix](http://www.EMC.com/Ionix).