



Making the Grid a Reality: Complete Management of the Oracle Environment

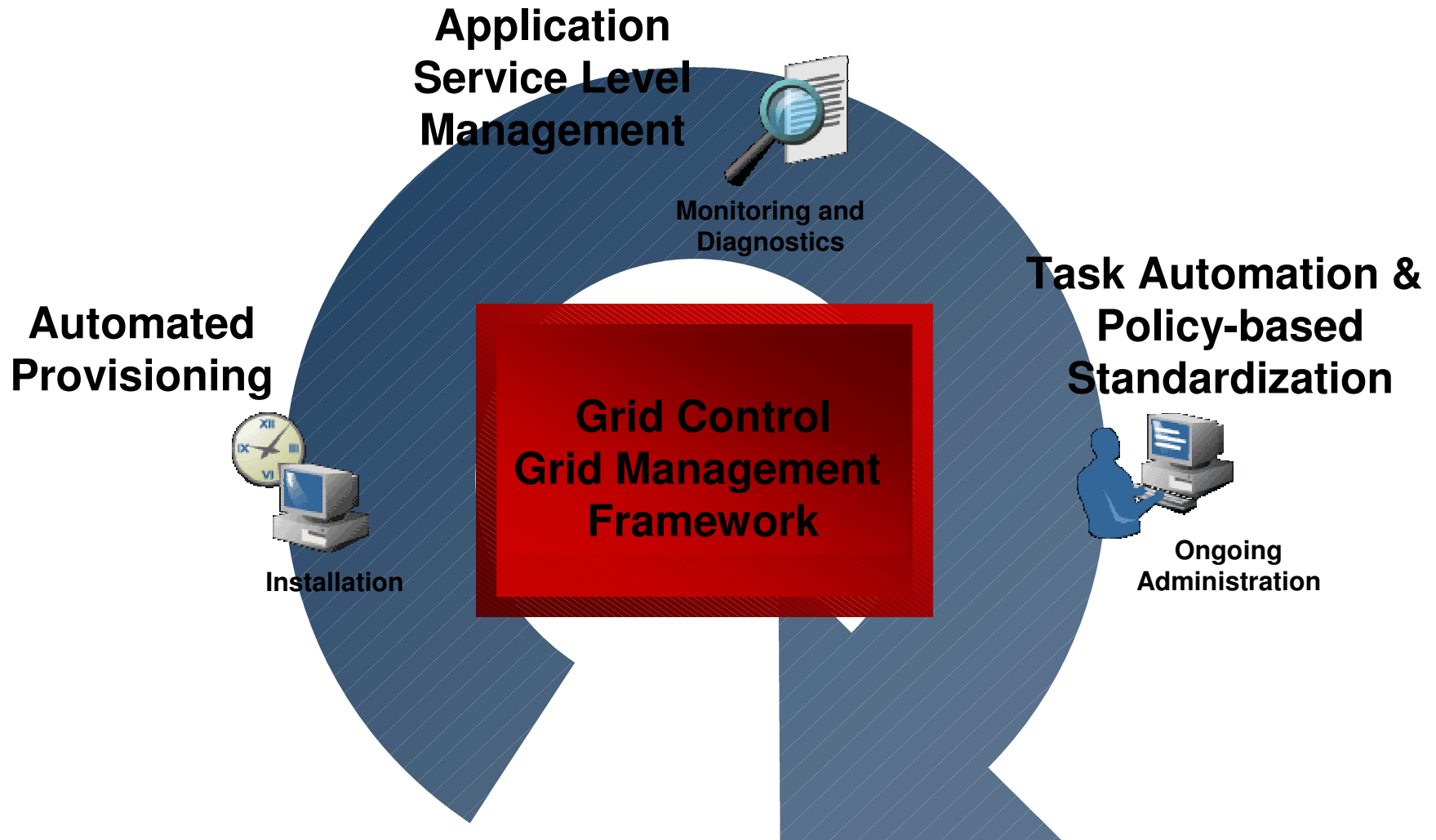
Martin Pena

Director, Product Management
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ENTERPRISE MANAGER **10^g**

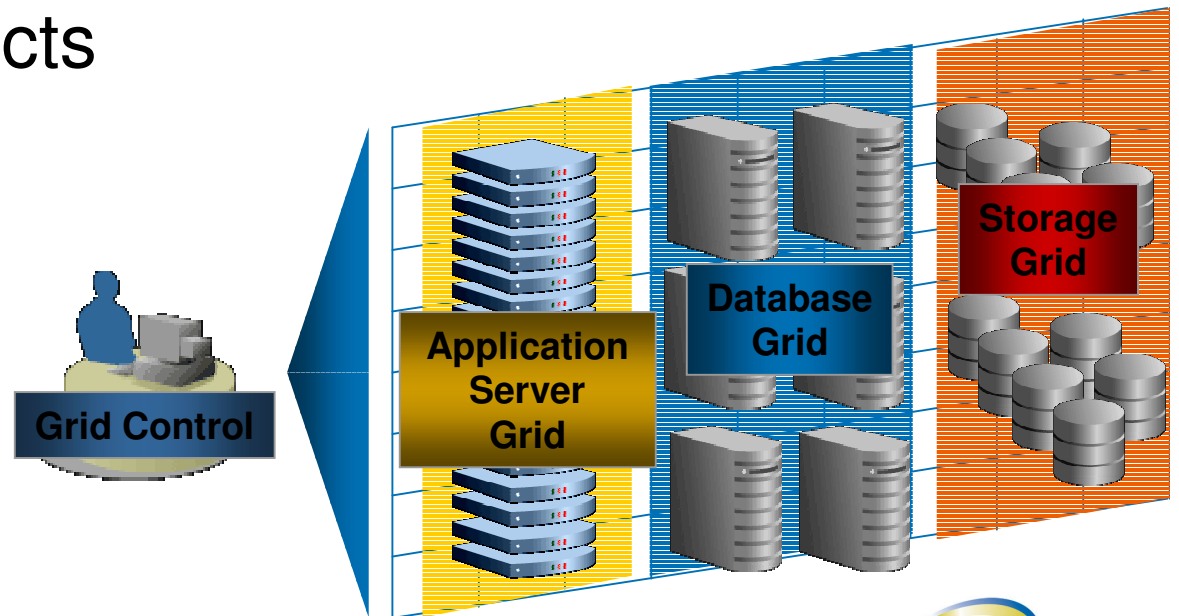
Grid management lifecycle



Why EM Grid Control is important

It's all about managing the Grid

- 10 times lower cost for managing sets of systems
- Makes the promise of Grid a reality
- It's in all our products



Grid Control: What is it?

Next Generation Management Solution

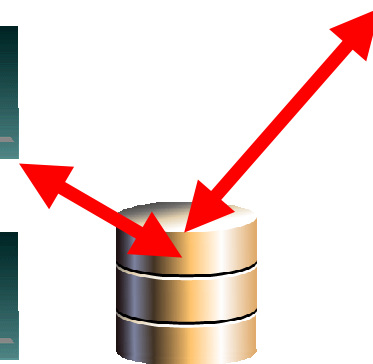
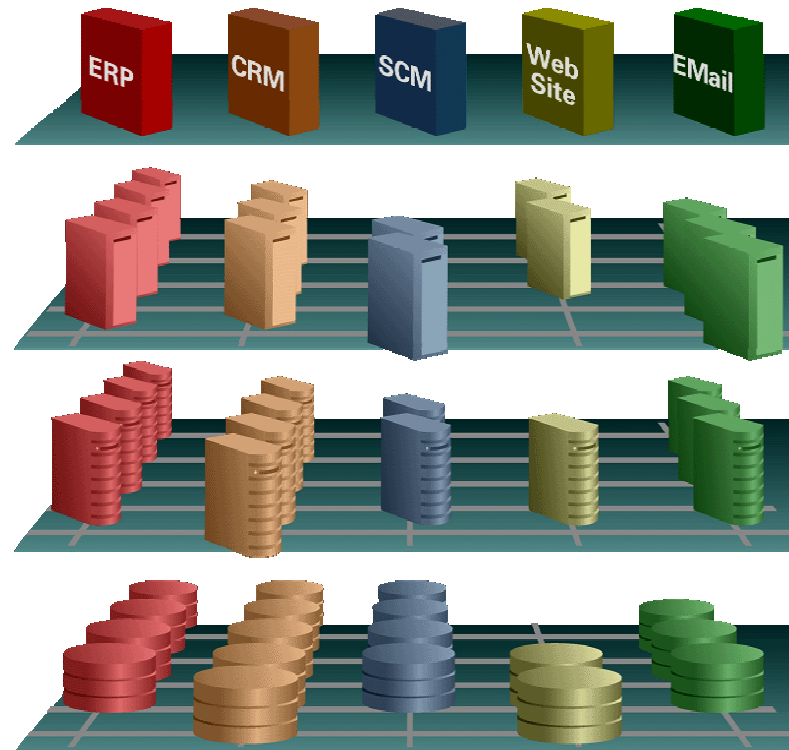
Designed specifically for the needs of multi-tier environments:

- Grid-ready framework: sets of systems
- 100% Web-enabled management
- Deeper platform coverage
- Richer management capabilities
- New and revamped line of licensable options

Grid-ready Framework

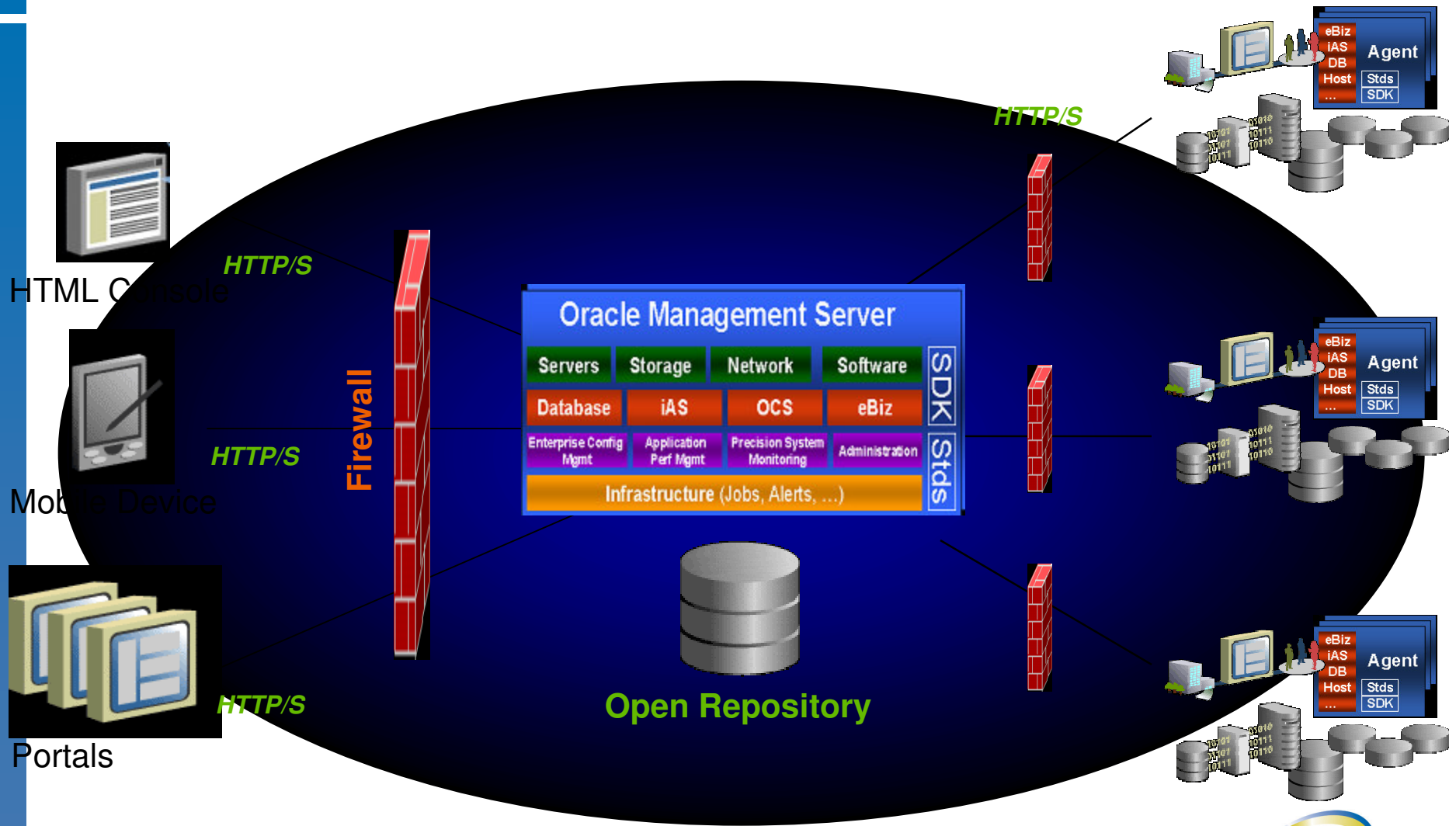
Manages Large Sets of Systems with Minimal Incremental Cost

- Policy Manager
- Job System
- Group Manager
- Configuration Management
- Performance Monitoring



Manage from Anywhere

Low Operational Cost



EM Grid Control 10g Expanded Footprint

System Coverage

Database

Host

E-Business Suite

 Application Server

 Collaboration Suite

 Storage

 Network

Functional Coverage

Central Management

Administration

System Monitoring

 Grid-ready framework

 Configuration/Software
Management

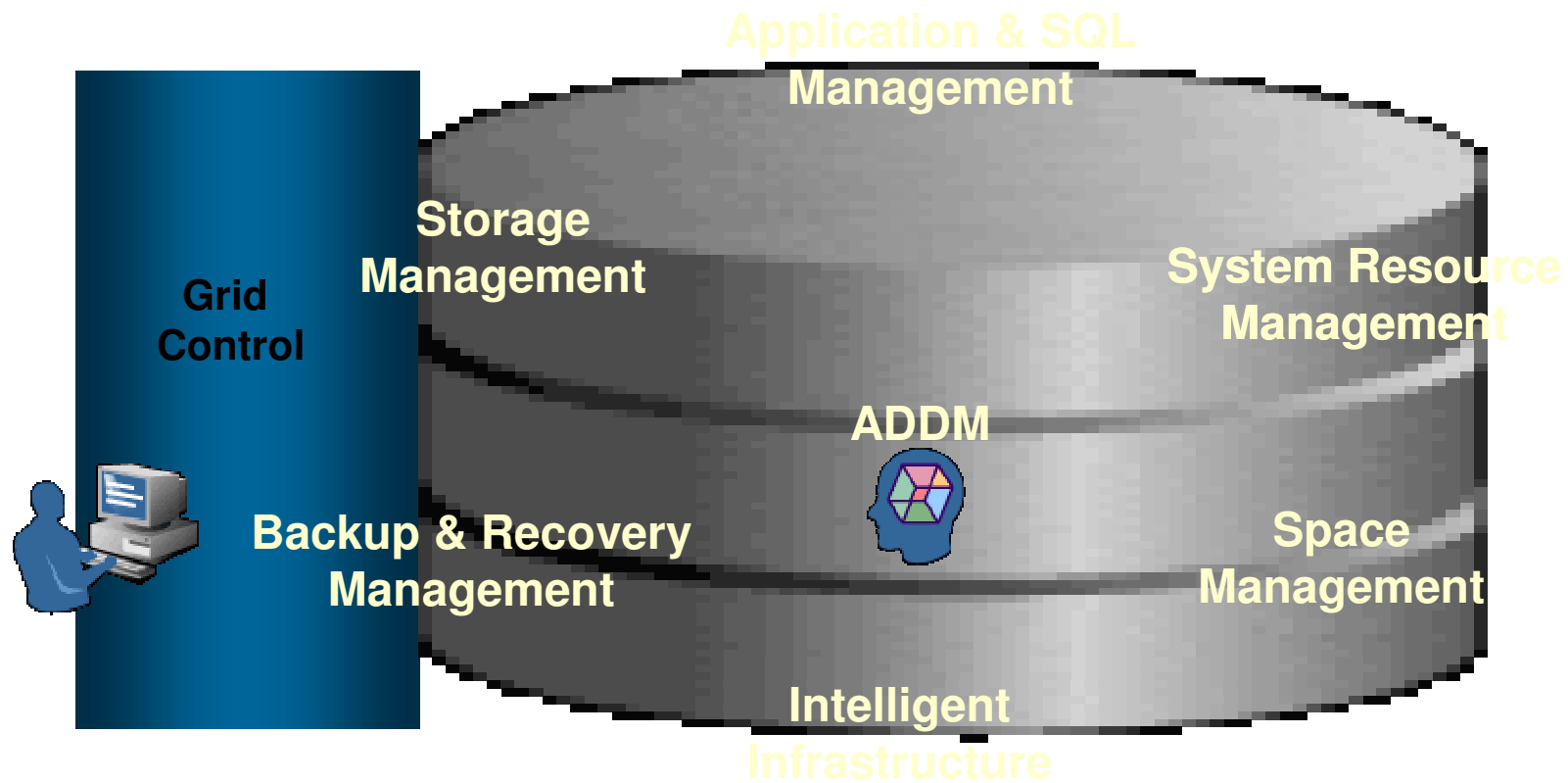
 Application Service Level
Management

Licensable Management Options

	Pack	Note
Database	Diagnostics Pack	
	Tuning Pack	Requires license for Database Diagnostics
	Configuration Management Pack	New Option
	Change Management Pack	
Application Server	Diagnostics Pack	New Option
	Configuration Management Pack	New Option

10g Tuning and Diagnostics Packs

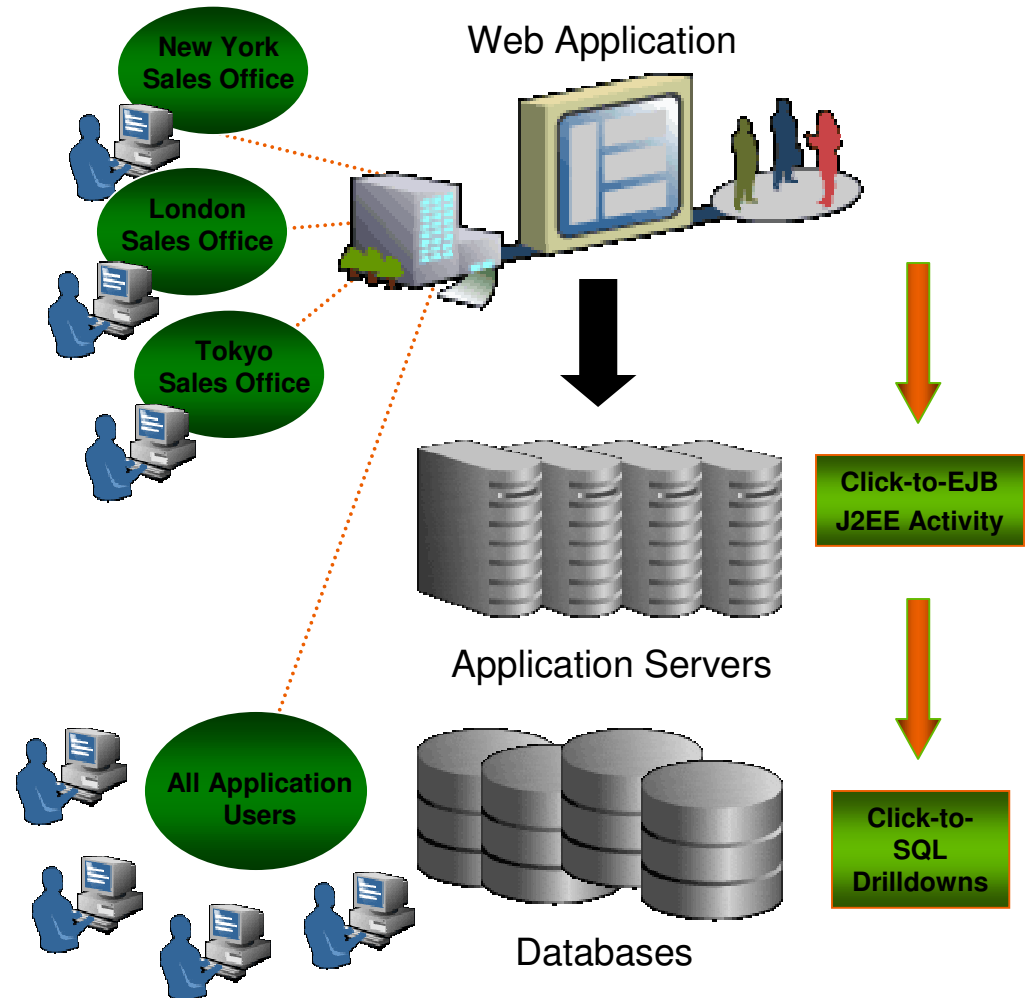
Self-management Built-in



Application Service Level Management

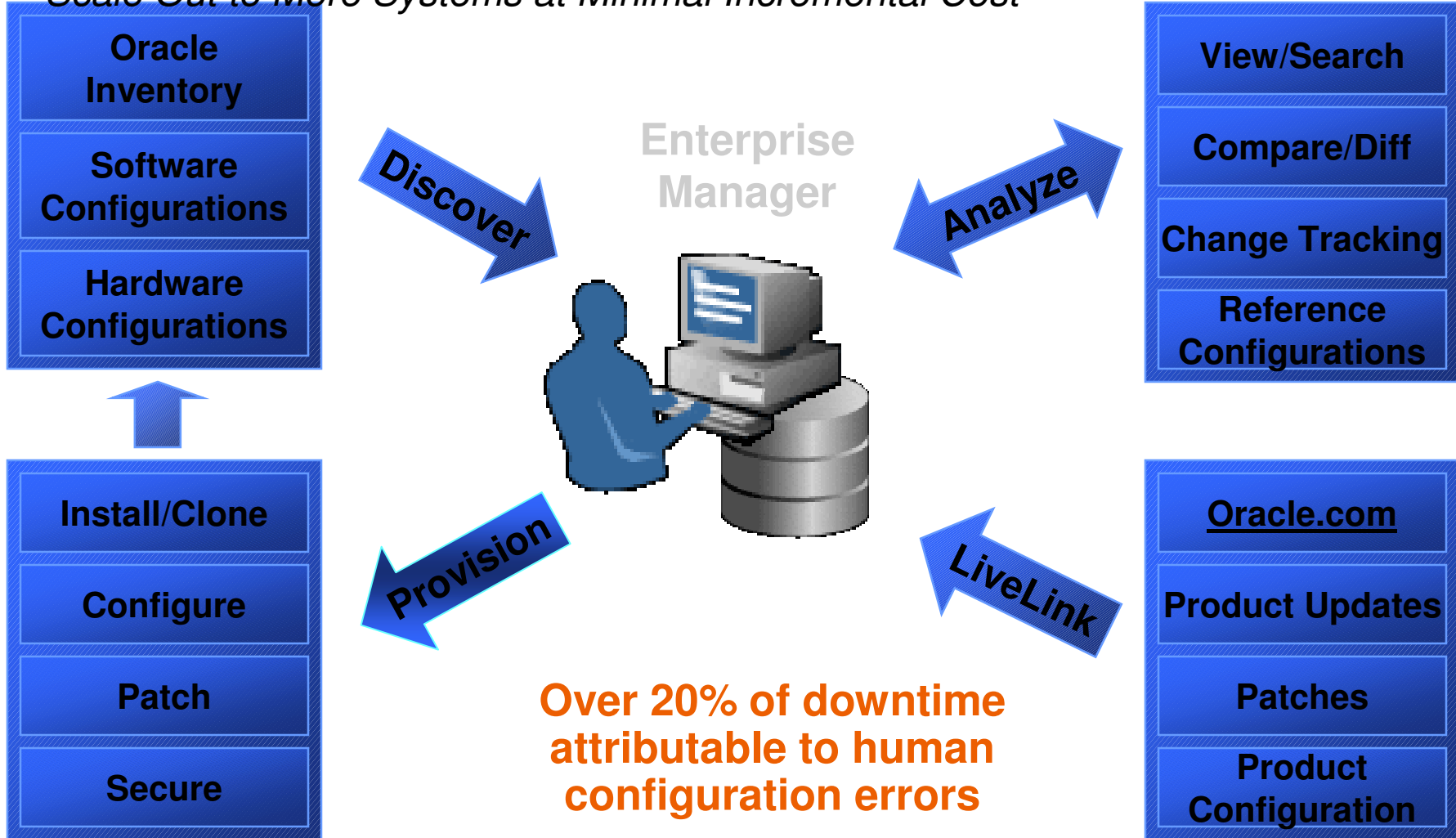
End-to-End Performance, Availability & Diagnostics

Availability Management	Systems Applications
Performance Management	Transaction Monitoring End-User Monitoring
Diagnostics	Transaction Tracing Cross-Tier Page Performance Correlation



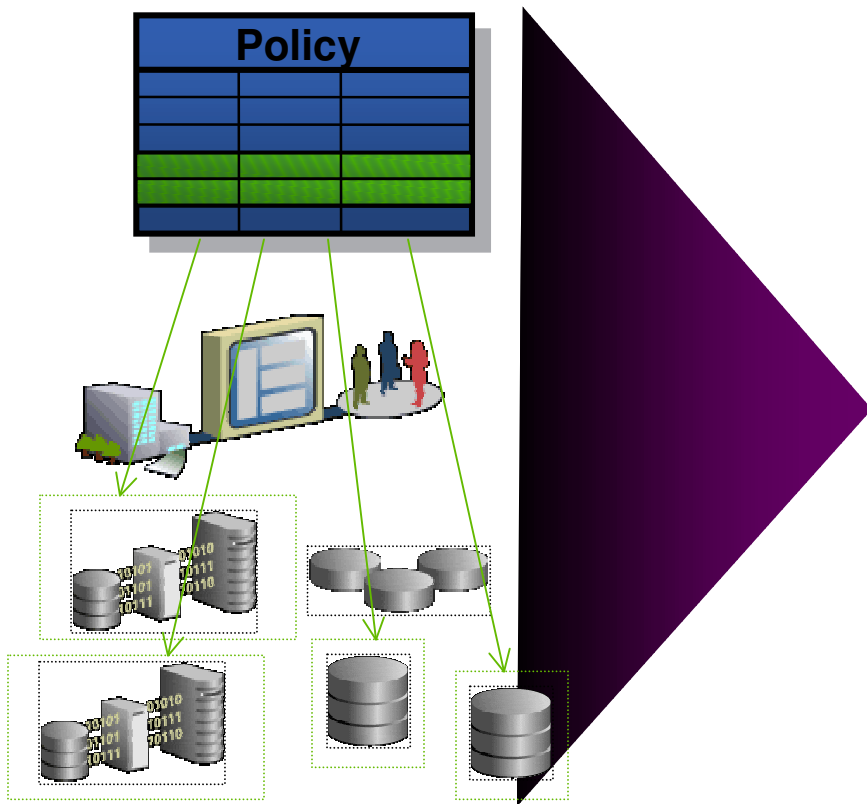
Automated Provisioning

Scale Out to More Systems at Minimal Incremental Cost



Policy-Based Standardization

Drives consistency and improved performance



- Policy Management
 - Rule definitions
 - Violation detection
 - Corrective action
- Performance policies
 - Thresholds and baselines
 - Response actions
- Security policies
 - Software installation hardening
 - Excess services/ports
 - Excess user privileges
- Configuration policies
 - Clusters
 - Archived configurations
 - Base images (clone source)

Capacity-on-Demand



1

Load increase identified -- additional resources required

2

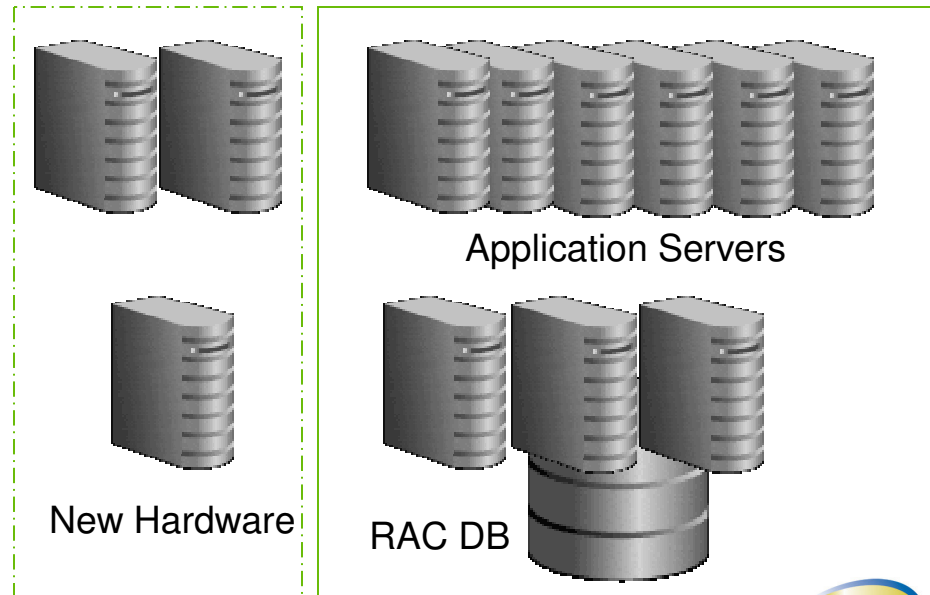
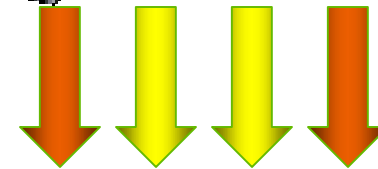
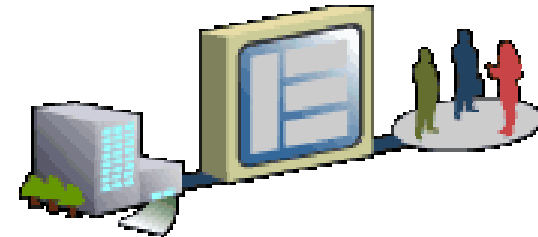
Systems chosen for deployment from available hardware

3

New servers added to application

- Image/Clone AS
- Image/Clone DB
- Associate AS with Infrastructure
- Add AS to cluster
- Add DB server to RAC cluster
- Configure DB server to get AS requests
- Configure SLB to include new AS

Production Application



Out-of-Box Ready

Realize Immediate Value

- Grid Control
 - Management of all Oracle Grid components
 - Centrally manage entire enterprise
 - Out-of-box management for all Oracle products
- Product Controls
 - Database Control
 - Application Server Control
 - OCS Control

The screenshot displays the Oracle Enterprise Manager web console for a target database. The interface includes a navigation menu at the top with options like Home, Targets, Configuration, Alerts, Jobs, and Management System. The main content area is divided into several sections:

- General:** Shows the database status as 'Up', with details like 'Up Since: May 19, 2003 10:22:27 PM', 'Time Zone: PDT', and 'Availability: 100%'. It also lists the instance name 'mgmt10i' and version '10.1.0.0.0'.
- Host CPU:** A bar chart showing CPU usage for 'mgmt10i' and 'Other'.
- Active Sessions:** A pie chart showing session distribution: 'Waiting CPU (7.6%)', 'Waiting IO (0.8%)', and 'Waiting Other (91.6%)'. It also shows 'Active Sessions: 0' and 'SQL Response Time (ms): 118.67'.
- Space Usage:** Lists 'Problem Tablespaces: 2', 'Fragmentation Issues: 0', and 'Dump Area Used (%): Unavailable'.
- Advice:** Shows 'ADDM Findings: 6' and 'Configuration: 1'.
- High Availability:** Displays 'Estimated Crash Recovery Time (seconds): 10', 'Last Backup: n/a', and 'Archive Area Used (%): n/a'.
- Alerts:** A table listing various alerts with columns for Severity, Category, Name, Message, Alert Triggered, Last Value, and Time.
- Related Alerts:** A table listing related alerts with columns for Severity, Target Name, Target Type, Category, Name, Message, Alert Triggered, Last Value, and Time.



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