



System Center Configuration Manager v.Next Overview

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This content could change

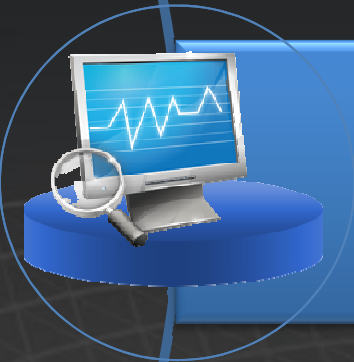
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Pillars of Investment



Embrace user-centric management

- Provide a rich application management model to capture admin intent
- Allow the administrator to think users first
- Provide the end user a fitting user experience to find/install software with
- Allow the user to define their relationship to applications



Modernize our infrastructure and core components

- Redesigned hierarchy and SQL Server replication
- Automated content distribution
- Client Health improvements and auto-remediation
- Redesigned admin experience and role-based security model
- Native 64-bit and full Unicode support



Continue to improve throughout the product

- Software Updates auto-deployment (including Forefront definitions)
- Automated settings remediation (DCM “set”)
- Consolidated and expanded mobile device management
- Improvements to OS Deployment and Remote Control
- And much, much more...

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Embracing User-Centric End-User of the Future

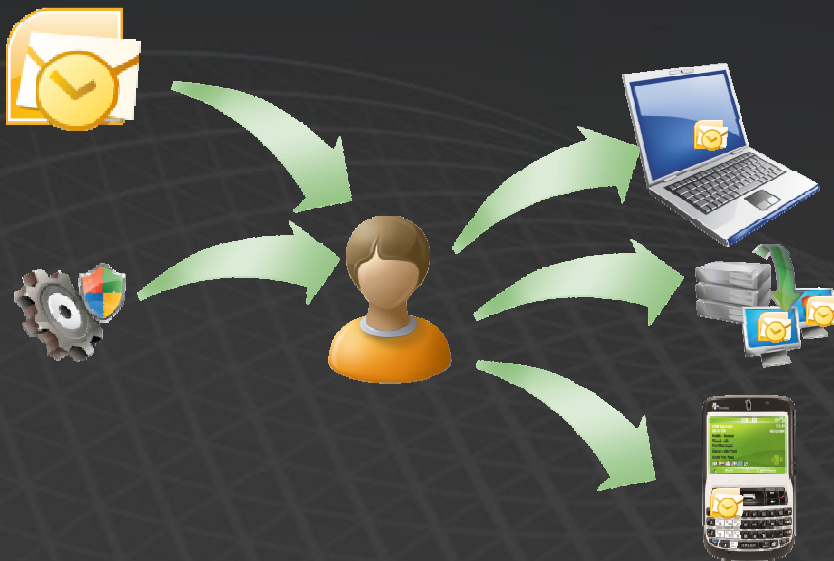
- Tomorrow's End-User is FAR More Tech Savvy Than Today's
 - “Digital Natives” have never known life without a PC
 - Consumerization of IT
- How and Where Users Work Will Change
 - 2009 – 1 billion PCs, 3+ billion mobile devices
 - 2010 – 12-17 million iCafe PCs serving 300+ million users in the 3rd world
- Tomorrow's IT Pro is in the Crosshairs
 - Demand for IT specialists will shrink 40% by 2010
 - Increased balance of ‘versatilists’

System vs. User-Centric



Systems Management of Today

- Targeted at the device
- Explicit and action-based
- Software deployment is a glorified script execution engine
- Optimized for systems management inside the firewall
- Optimized for tight IT control, minimal end user involvement



User-Centric Client Mgmt of Tomorrow

- Targeted at the end user
- Implicit and intent-based
- Software deployment is about delivering the right app in the right way to the right user under the right condition
- Enable the user to be productive anywhere and anytime
- Maintain IT control while balancing the needs for end user empowerment

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Embracing User Centric Administrator Promises



- App management model captures admin intent
 - Manage apps, not setup scripts
 - State-based
 - Apps have “relationships” to other objects
 - Apps can have >1 deployment type
 - Conditional Delivery Rules – requirement rules evaluated at install time to get the right app at the right time
- Let the admin think user first
 - User Device Affinity maintains relationship between users and systems to solve core user targeting issues
 - Primary user rule – only install software if user is primary user on that device
 - Pre-deploy to users’ primary devices for WoL, off-hrs, workgroup, etc

Embracing User Centric End-User Promises



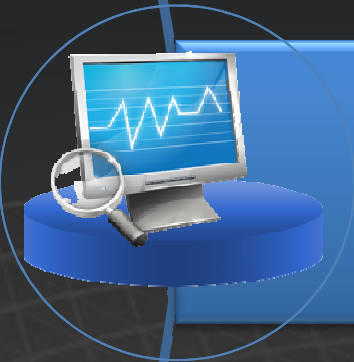
- “A Fitting End-User Experience”
 - Self-service application web portal
 - Easily find and request software for your job
 - Choose software intelligently thanks to clear, consistent and concise information about applications and their impact
- “The ability to define their relationships to their software”
 - Application subscriptions persist your relationship with the software
 - User preferences control ConfigMgr behaviors (e.g. “my business hours”)
 - Manage impact from software installation and system restarts

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Administrator Experience



- MMC replaced with System Center UI Framework
 - Common look and feel across System Center products
- Improved feature discoverability and time spent on task with new “information architecture”
- In-console alerts
 - At-a-glance scenario status relevant to the administrator (e.g. Configuration settings policy exceeds non-compliance threshold)
 - Context-sensitive actions available from the alert (e.g. Go to Source, Close alert, Open log file, Help, etc...)

Role-Based Administration

- Security Role
 - Group sets of permissions together that collectively define an administrative span of control
 - e.g. Read Program + Deploy Program + Read Collection + Advertise to Collection = Software Distribution Administrator
- Security Scope
 - Metadata applied to instances of objects that control visibility and access
 - E.g. “North America”; “Sales & Marketing”
 - Admin users will see only those objects that share one or more of the admin’s assigned Security Scopes

Infrastructure Changes

Modernizing our architecture



- Primaries are needed for scale out only
 - Client agent settings configurable by collection
 - Segmentation via Role Based Access Control
- Scalability and Data Latency Improvements
 - Central Administration Site (CAS) is just for administration and reporting
 - Other work distributed to the primaries as much as possible
 - System-generated data (HW Inventory and Status) can be configured to flow to CAS directly
 - File processing occurs once at the Primary Site and uses replication to reach other sites (no more reprocessing at each site in the hierarchy)
- New replication methods for site-to-site communications
 - Industry standard SQL replication sub-system simplifies troubleshooting and reduces operational costs
 - Improved reliability over SMS/ConfigMgr's custom file replication

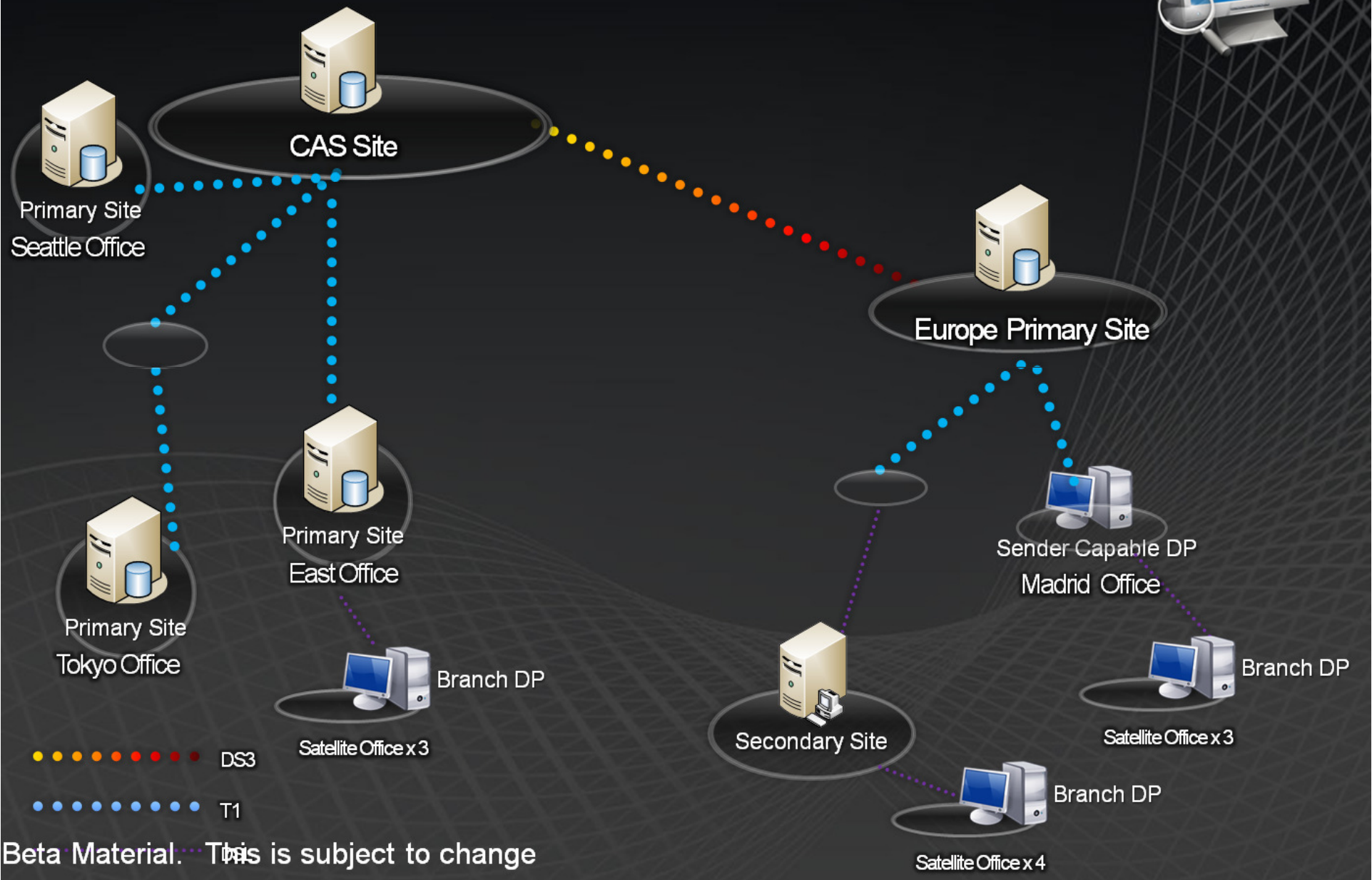


Infrastructure Changes

Handling content

- Sender Capable DPs
 - Apply throttling and other sender controls directly to DPs (reduce need for secondary sites)
- Fewer DPs and Branch DPs required thanks to support for Win7 P2P (BranchCache) beginning with ConfigMgr 2007 SP2
 - Vista, Server 2008 P2P coming post Win7
- “State-based” DP Groups
 - Manage content distribution to individual DPs or groups of DPs
 - Content automatically added or removed from DPs based on group membership
 - DP group associations with collections automate content staging for software targeted to the collection

ConfigMgr.next Site Server Model



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Infrastructure Changes

Integrated SQL Reporting



- 100% SQL Server Reporting Services
 - SQL Reporting Services 2008 Sp1 required
 - ConfigMgr-to-SSRS report conversion tool available to ConfigMgr 2007 R2 customers
 - Globally view all subscriptions for reports
 - Launch SSRS Report Builder 2.0 for report authoring

Client Health

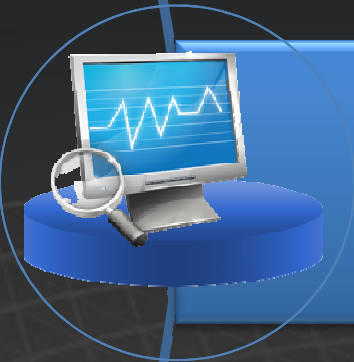
- Server-side metrics covering policy requests, HW & SW Inventory, Heartbeat DDRs and Status Messages
- Customizable monitoring and remediation for:
 - Client prerequisites
 - ConfigMgr client reinstallation
 - Dependent Windows Services
 - WMI Repository, Namespace, Class, and Instance health evaluation and repair
- In-console alerts when healthy/unhealthy ratio drops below configurable threshold

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Software Updates



- Auto Deployment Rules
 - Use search criteria to identify class of updates to automatically deploy: category, products, language, date revised, article id, bulletin id, etc.
 - Schedule content download and deployment based on sync schedule or define a separate schedule per rule
- State-based Update Groups
 - Deploy updates individually or in groups
 - Updates added to an update group automatically deploy to collections targeted with the group

Operating System Deployment

- **Offline Servicing of Images**
- **OEM Media**
 - Create hybrid boot media/OS WIM file for use with your OEM
 - Design to interact with your task sequence
- **Boot Media Updates**
 - Unattended boot media mode
 - Use scripted or custom HTA pre-execution hooks to automatically select a task sequence that has been advertised as optional
- **USMT 4.0**
 - UI integration and support for hard-link, offline and shadow copy features

Remote Control

- Send Ctrl-Alt-Del to host device
 - Switch users during an active session
 - Control a locked desktop
 - Access the Secure Desktop
 - Access winlogon screen

Settings Management

- Optional automatic remediation for non-compliant registry-, wmi- and script-based settings (aka DCM “set”)
- Remediation reports identify settings re-configured, frequency of settings drift, and conflict and error reporting
- More flexibility for re-use of settings across CI boundaries
- Define compliance SLAs for Baselines to trigger console alerts
- Improved CI versioning and audit tracking

System Center Device Management

ConfigMgr 2007

- WinCE 4.2+ and Windows Mobile PPC2003+
- Basic device management functionality (settings; software deployment)
- Single console for managing desktops, servers, mobile...



MDM 2008 SP1

- Windows Mobile 6.1+ devices only
- Mobile VPN access
- Rich device management functionality (settings, remote wipe, over-the-air enrollment...)



ConfigMgr v.Next

- Supports WinCE 5.0+ and WM 5.0+ devices
- Supports core MDM scenarios and ConfigMgr 07 DM scenarios (platform dependent)
- Single "pane of glass" for managing desktop, servers, mobile...
- No VPN access solution



Mobile Device Management

- Extend and align mobile device management
 - Integration of System Center Mobile Device Manager and ConfigMgr 2007 features
 - Common administration for mobile and non-mobile devices
 - Introduction of cross-platform mobile device support
- Enable user-centric mobile device management
 - Deploy applications and configuration policies to users or devices
- Enable secure, compliant mobile devices
 - Secure over-the-air enrollment
 - Monitor and remediate out-of-compliance devices
 - Application allow/deny and configuration policies

Prep Now for ConfigMgr.next

- Minimum System Requirements:
 - Site servers and site roles require 64-bit OS (distribution points are an exception)
 - Branch DPs can run on any v.Next-supported client OS
 - Standard DPs can run on Windows Server 32-bit but will not support advanced functionality (
 - Windows Server 2008
 - Distribution points can run on Windows Server 2003
 - SQL Server 2008 (64-bit)
- Hierarchy Helpers
 - Flatten your ConfigMgr 2007 hierarchy
 - Start implementing BranchCache™ with ConfigMgr 2007 SP2
 - Move to SQL Reporting Services
 - Start learning about SQL replication
- App Model Helpers
 - State based apps need detection methods
 - Rules vs Queries
 - Tips: Use App CI's today for your apps to learn about this. SCUP is also a good tool for this

System Center Roadmap

	2008	2009	2010	2011
 Microsoft System Center Operations Manager	2007 SP1	2007 R2		vNext
 Microsoft System Center Virtual Machine Manager 2008	2008	2008 R2		vNext
 Microsoft System Center Configuration Manager	2007 R2	2007 SP2	R3	vNext
 Microsoft System Center Data Protection Manager	2007 SP1		2010	
 Microsoft System Center Service Manager			2010	vNext
 Microsoft Desktop Optimization Pack for Software Assurance	2008	2009 & R2	2010 & R2	2011 & R2
 Microsoft System Center Online Desktop Manager			V1	V2 and V3
 Microsoft System Center Essentials	2007 SP1		2010	

Links and Resources

- System Center Nexus Team Blog - [link](#)
- What's new SP2 TechNet Documentation Library - [link](#)
- Configuration Manager [download](#)
- ConfigMgr Product Homepage – [link](#)
- Configuration Manager Product Team Blog – [link](#)
- Windows MDOP – [link](#)
- Windows Server 2008 R2 Branch Cache overview – [link](#)
- Branch Cache ConfigMgr Deployment Guidance – [link](#)

The image features the Microsoft logo and slogan centered on a dark, textured background. The background consists of a grid of thin, light-colored lines that create a sense of depth and perspective, resembling a wireframe or a grid that recedes into the distance. The logo and text are in a clean, white, sans-serif font.

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