About LANrev

- Privately held company based in Addison, Texas.
- Industry veterans with 30+ years experience in client management software.
- Proven track record of customer-driven development and service.
- Platform neutral client management software that is comprehensive and affordable, as well as easy to deploy, configure and maintain.

LANrev History

- End of 2004 - Company formed
- 9/6/2005 - LANrev LP and product announced
- 9/20/2005 - LANrev 1.0 released
- 12/2005 - LANrev 1.5 released
- 2/2006 - LANrev 2.0 released
- 5/2006 - LANrev 3.0 released
- 7/2006 - LANrev 3.1 released
- 8/2006 - LANrev 3.1.1 released at WWDC

LANrev Architecture

- True client / server solution
- Server runs as a daemon
- Multiple admin consoles connect to same server
- Use of industry standards
  - SQL database
  - Blowfish encryption & GZip compression
  - All unicode
  - Fully cross-platform

LANrev Main Features

- Agent Deployment Center
- Full Hardware and Software Inventory
- Software Distribution System
- Automated Patch Management
- Software License Monitoring System
- Integration with 3rd Party Remote Control Applications
- Remote Configuration Commands
- ImageLive Hard Disk Imaging for Macintosh

LANrev

LANrev Agent Deployment

- Auto discovery of machines without agents
  - Bonjour support
  - By defining custom zones
    - using IP range
    - direct IP
    - hostname
  - doing periodic scans
- Auto deploy agent to machine without agents
  - specify different SSH credentials for different custom zones
- Auto updating of agents when new version is released

LANrev

Hardware & Software Inv.

- Over 300 hardware and software information items
- Hardware - System, processor, memory, volume, hard drive (ATA and SCSI), FireWire, USB, PCI, and display information
- Software - OS, network adapter, font, printer, startup item, installed software, missing OS patches, and running processes information.

Software Distribution

- Clients are assigned to distribution groups
  - manually defined distribution groups
  - smart distribution groups based on selection criteria
- Packages are assigned to distribution groups
- Clients check periodically for new packages

Staging Server

- Hosts software packages
- Can be any machine running LANrev Agent
- One master staging server and any number of mirror staging servers
- Software packages in compressed and encrypted format
- Set a time window and bandwidth limit for mirroring
- Load balancing among all staging servers

Software Distrib. Client

- Periodically check for new packages
- Verifies integrity of packages with MD5 checksum
- Present user interface if necessary
- Supports checkpoint recovery for package download
- Auto-resume installation if interrupted
- Restart machine if necessary (optional user notification)

Software Package

- Installation of software with support for
  - Apple Installer packages (pkg, mpkg)
  - MindVision VISE installers
  - Shell scripts
  - Any other application or file that is executable

Software Package

- Flexible scheduling
  - Availability date
  - Installation date
    - Any time
    - After next startup (with force at certain time)
    - After next login (with force at certain time)
    - Within a certain time window
- Prioritization of packages

Software Package

- Flexible installation requirement
  - Minimum OS, Maximum OS
  - User needs to be logged in option
  - Specify installation condition based on package / file criteria
- Allow user interaction
  - None (silent)
  - Inform about packages to be installed
  - Allow to reschedule packages
  - Allow to refuse packages
- User context selection

Patch Management

- Fully automated Mac OS Patch Management
  - Automatically detects missing updates and download them from the Apple update servers
  - Patch packages are added to software distribution center
  - Admin just needs to approve package
- Missing Patches Reports
  - Reports which machines are missing what patches
  - Reports statistic about number of machines missing patches

Software Audit

- Installed Software Reports
  - Mac Software
  - Mac Installer Receipts
  - Mac Applications
  - Apple Software
  - Non-Apple Software
  - Mac Installer Receipt Statistics
  - Mac Application Statistics

Licensing Monitoring

- Useful for tracking the installation of and metering the usage of specific applications on particular set of clients
- Licensing specifications are assigned to licensing groups
- Agents are assigned to licensing groups
- Groups are shared with the SW Distribution Center

Licensing Monitoring

- Monitor Software defined by
  - Files (optionally meter usage)
  - Packages (optionally meter usage)
  - Installer receipts
- License type
  - Computer licenses (installed copies)
  - Floating licenses (running copies)
  - Site license (unlimited copies)
  - Prohibited (option to terminate upon launch)

Licensing Monitoring

- Identify Software by
  - Name
  - Path
  - File Type & Creator
  - Bundle Identifier (application package only)
  - File Version & Build number
  - File Size
  - Creation date, Modification date
  - Checksum (application file only)

Licensing Monitoring

- Reports generated for
  - License compliance
  - Prohibited software
  - Missing software on clients
  - Software usage over time
  - History
- Create custom reports
- Allows more efficient utilization of software licenses

3rd Party RC Integration

- Supported Remote Control applications
  - Apple Remote Desktop 3
  - VNC
  - Timbuktu
- Allow to specify connection credentials where possible

Remote configuration

- Full control over files and folders
  - Rename
  - Delete
  - Copy / Move
  - Create Folder
  - Create Alias / Shortcuts
  - Open apps/documents
- Perform actions on files found via “Find File” command
- Perform actions on files using full path name

Remote configuration

- File / Folder Transfer
  - Lighting fast due to compression
  - Full control over Unix ownership and permissions
  - Allow to present a message before installation
  - Post process after installation
    - Open file with or without administrative privileges

Remote configuration

- Execution of Unix shell scripts
  - Execute file
  - Execute typed text
  - Full control over execution user context
  - Show full results in Admin
- Execution of AppleScripts
  - Execute file
  - Execute typed text
  - Show full results in Admin

Remote configuration

- Execute Apple or MindVision installers and binary files under any user context
  - from server
  - after installing them on client
- Change operation state of client
  - Shutdown, Restart, Sleep, Logout
- Terminate multiple processes on different clients
- Send Messages
- Wake up machines (also across subnets)

ImageLive Disk Imaging

- Re-image clients using standard .dmg disk images created with Disk Utility or Carbon Copy Cloner
- Re-image
  - the current boot volume while you're booted from it
  - volumes other than the boot volume.
- Re-image from
  - a locally stored password-protected disk image
  - a disk image hosted on a LANrev staging server
  - a disk image on the admin console

ImageLive Disk Imaging

- Network settings and users' home folders preserved.
- Pre-flight and pre-process shell scripts to preserve and restore other important settings
- Convenient way to deploy major version upgrades of Mac OS X (e.g. 10.4 to 10.5)

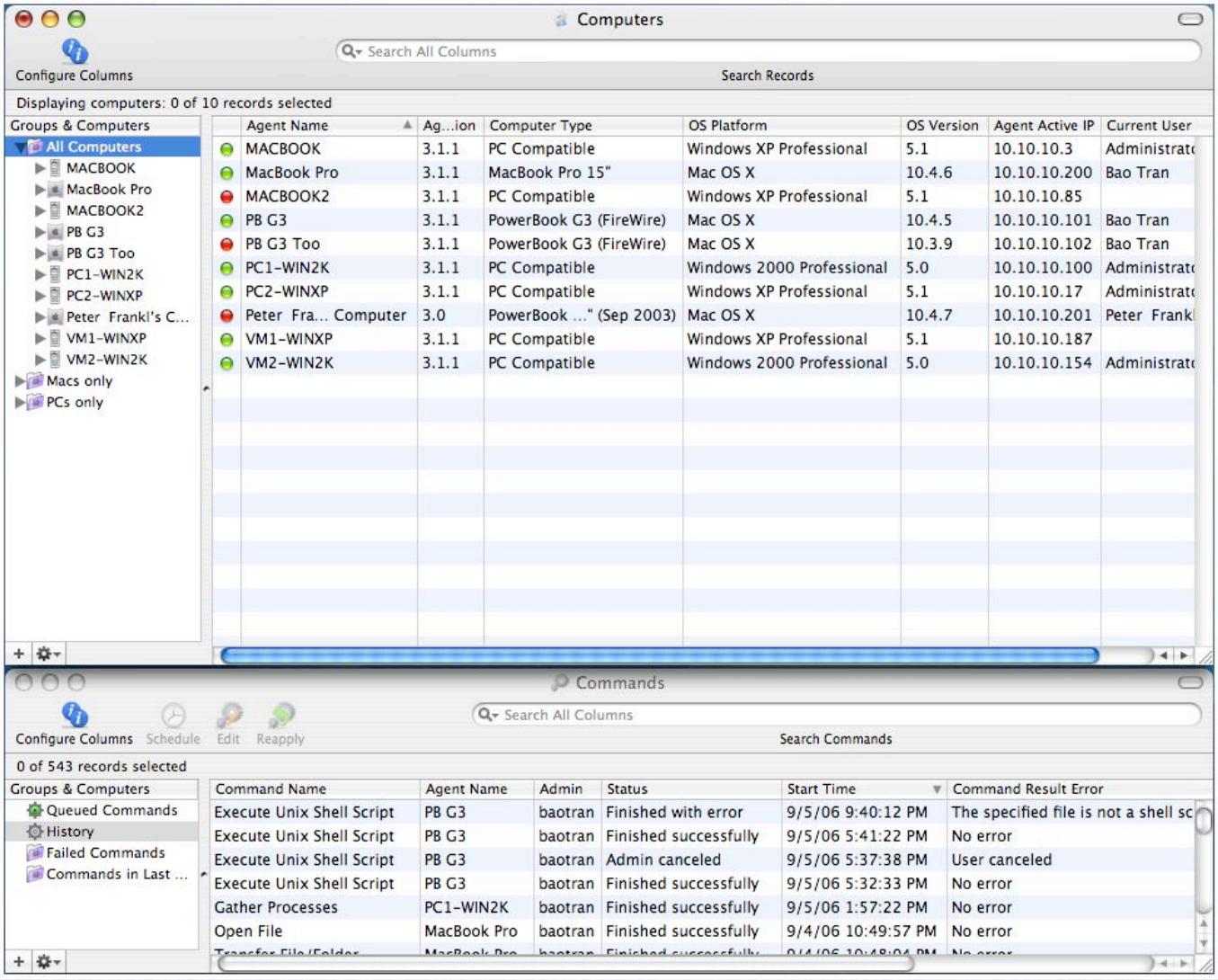
Why LANrev

- Already a recognized leader in client management software
- Strong relationship with Apple - 2 press releases and featured at WWDC session on 3rd party client management
- Broad customer base - K-12 schools, higher education, government, Fortune 1000 companies
- 100% focused on customer satisfaction

LANrev

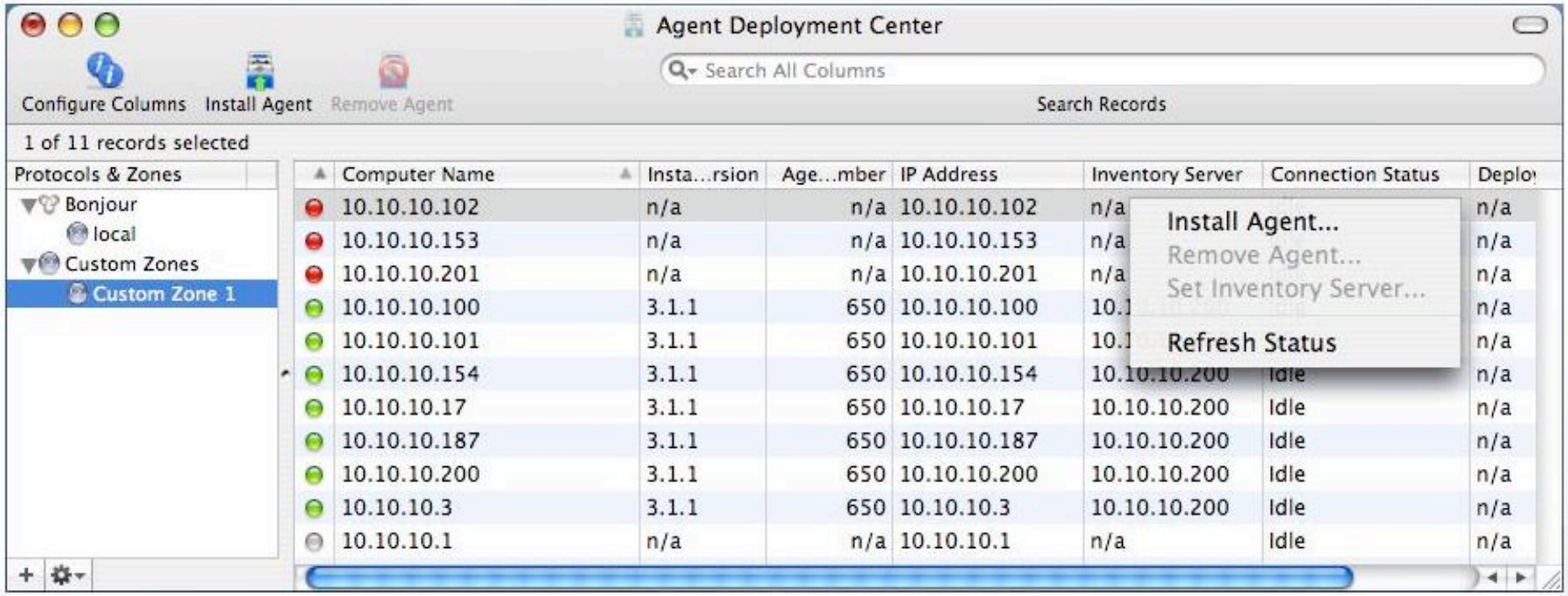
Virtual Product Tour

Main LANrev Admin Console

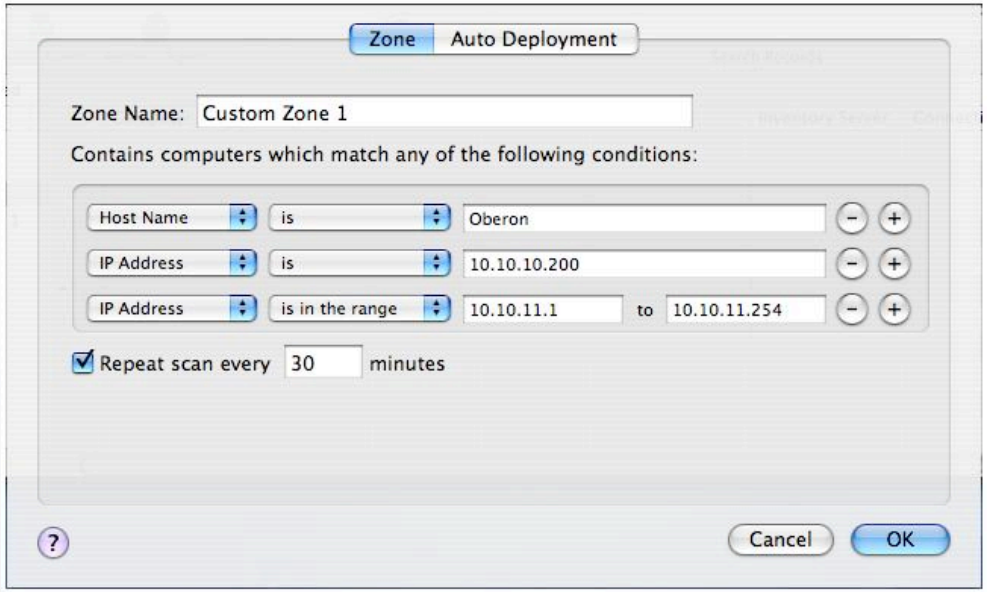


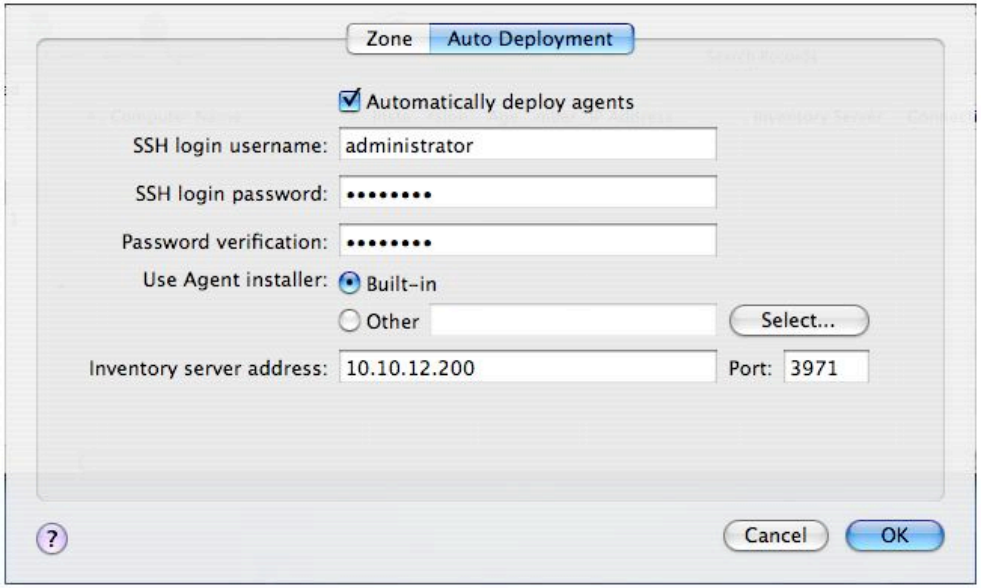
LANrev

Agent Deployment Center



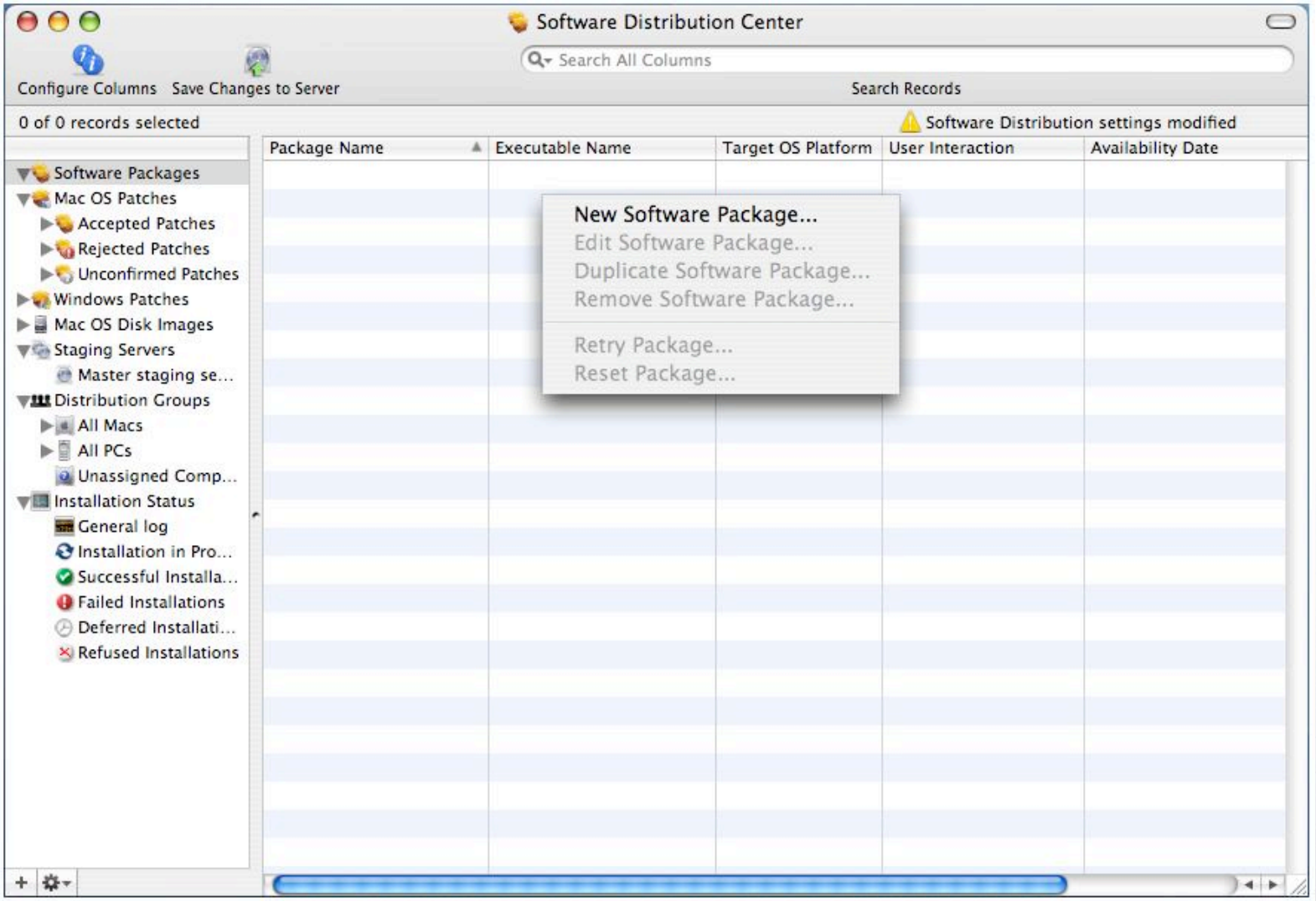
Agent Deployment Center



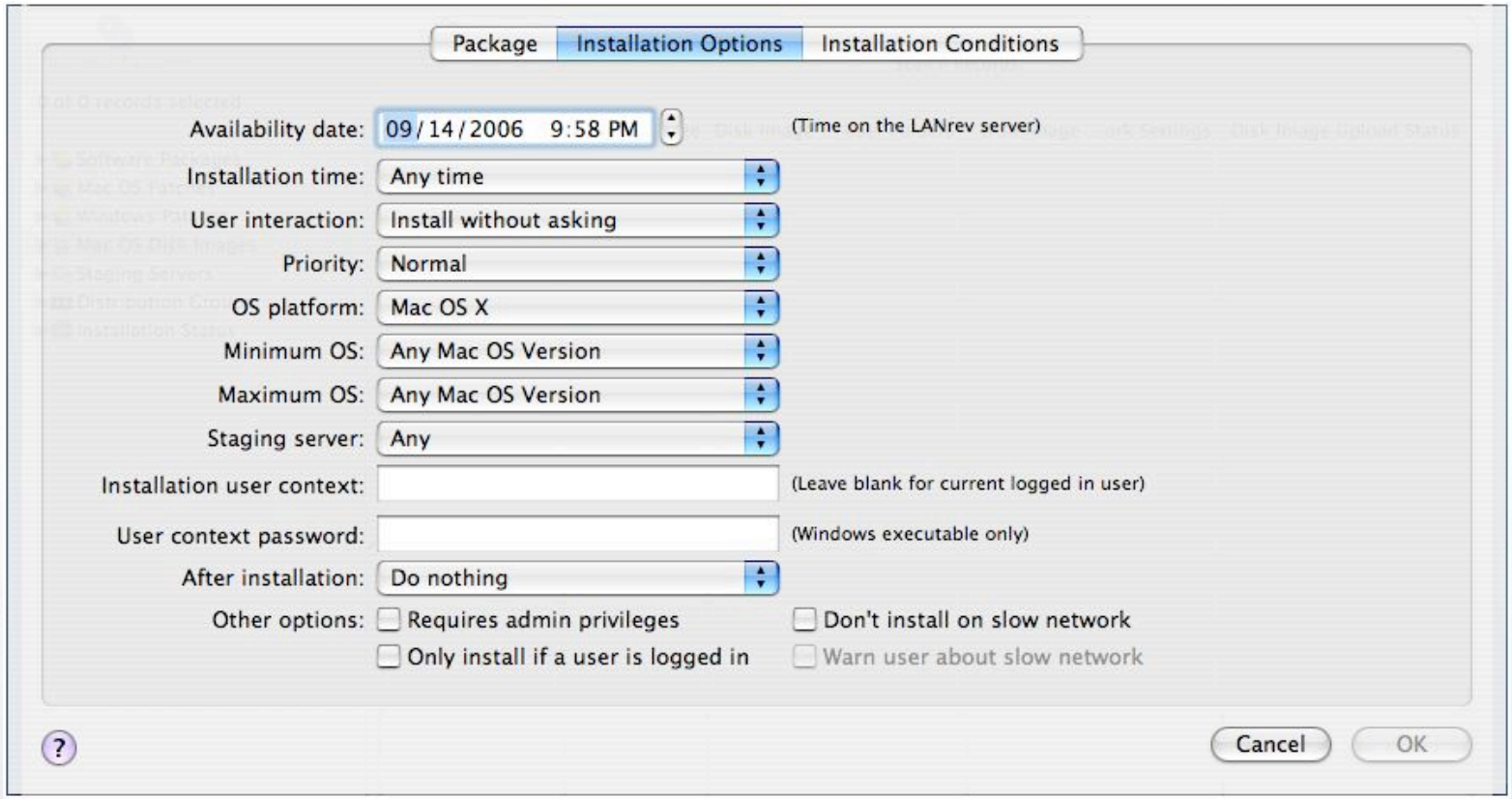


LANrev

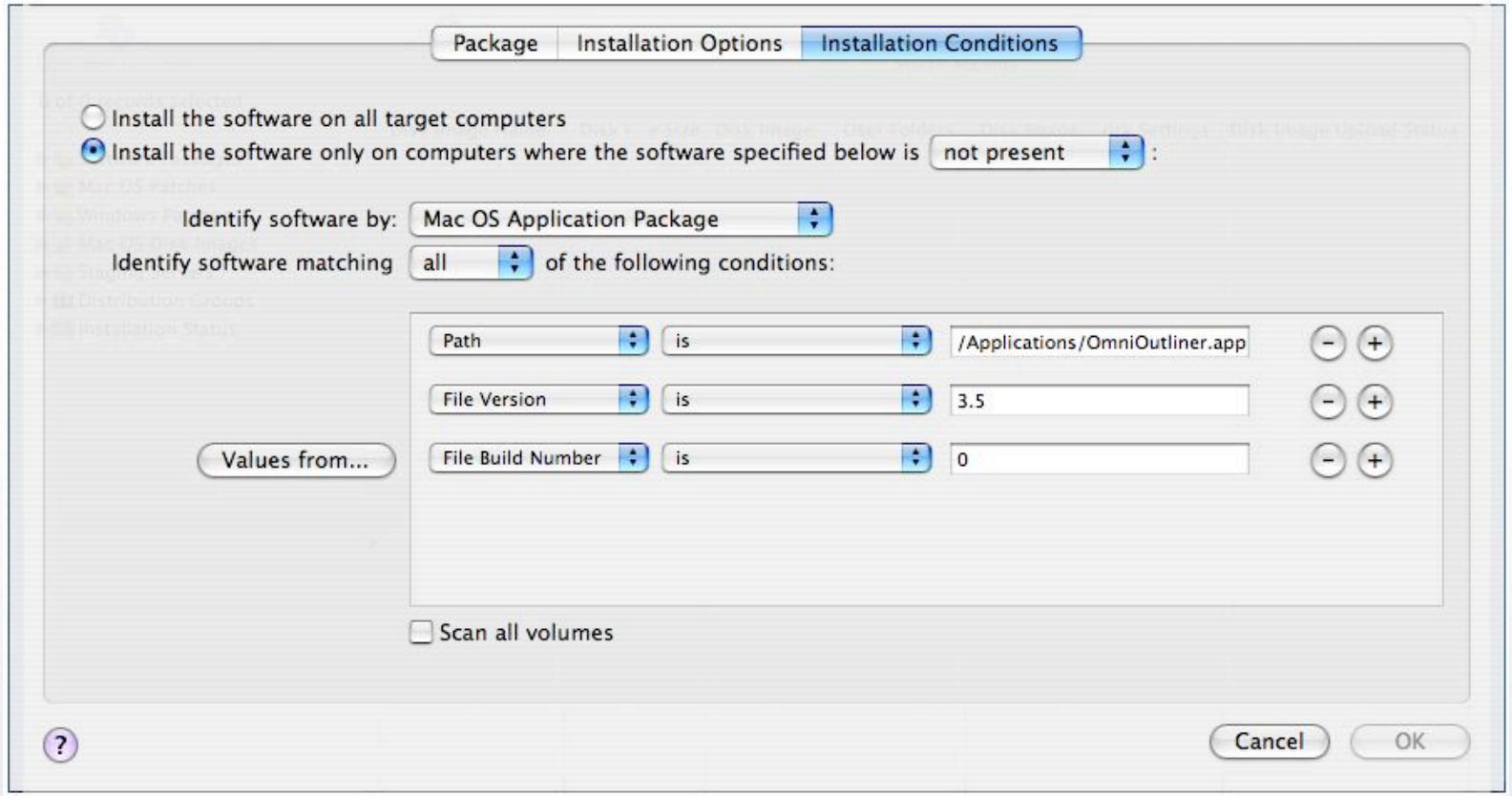
Software Distribution Center



Package Installation Options

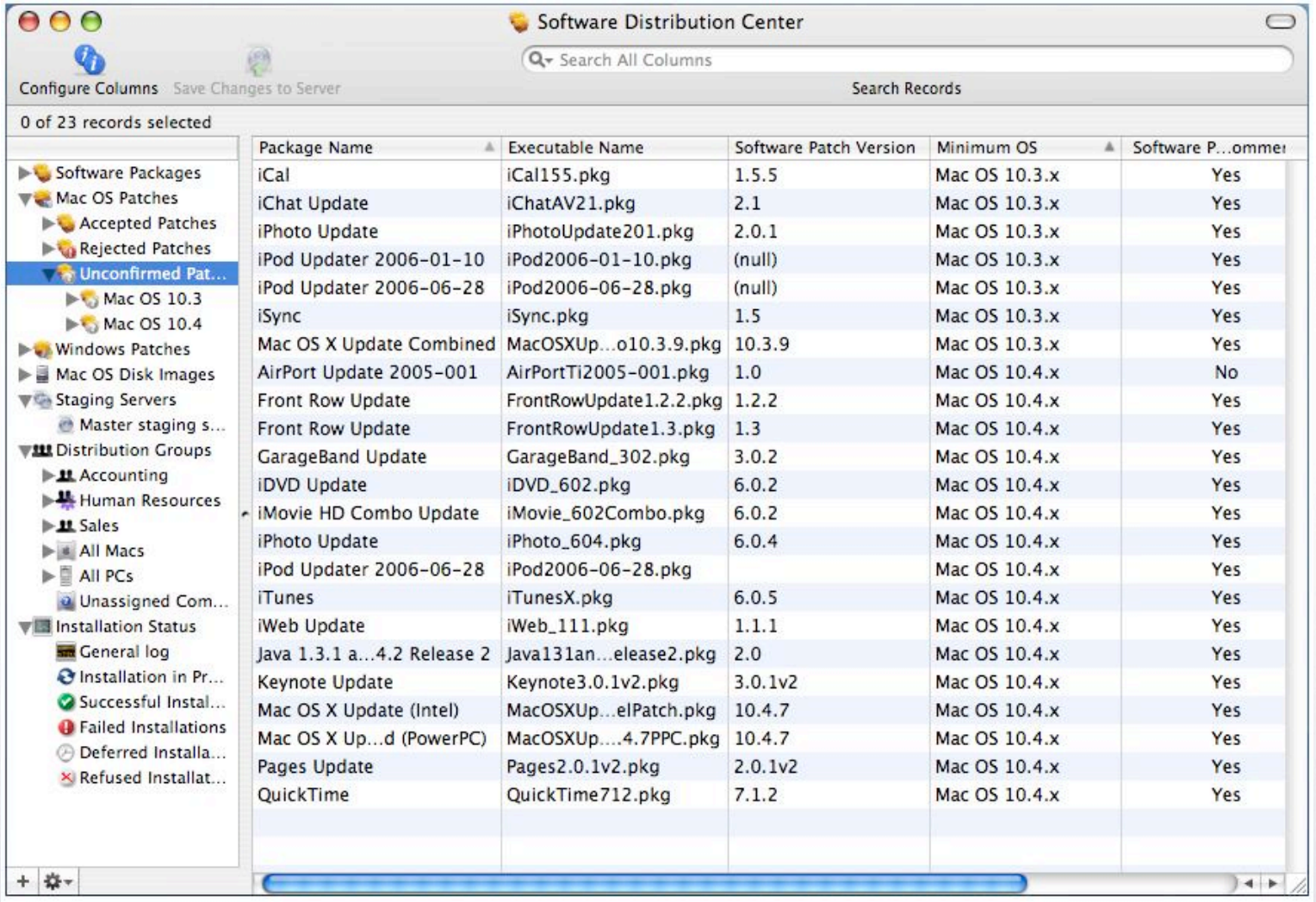


Package Installation Conditions

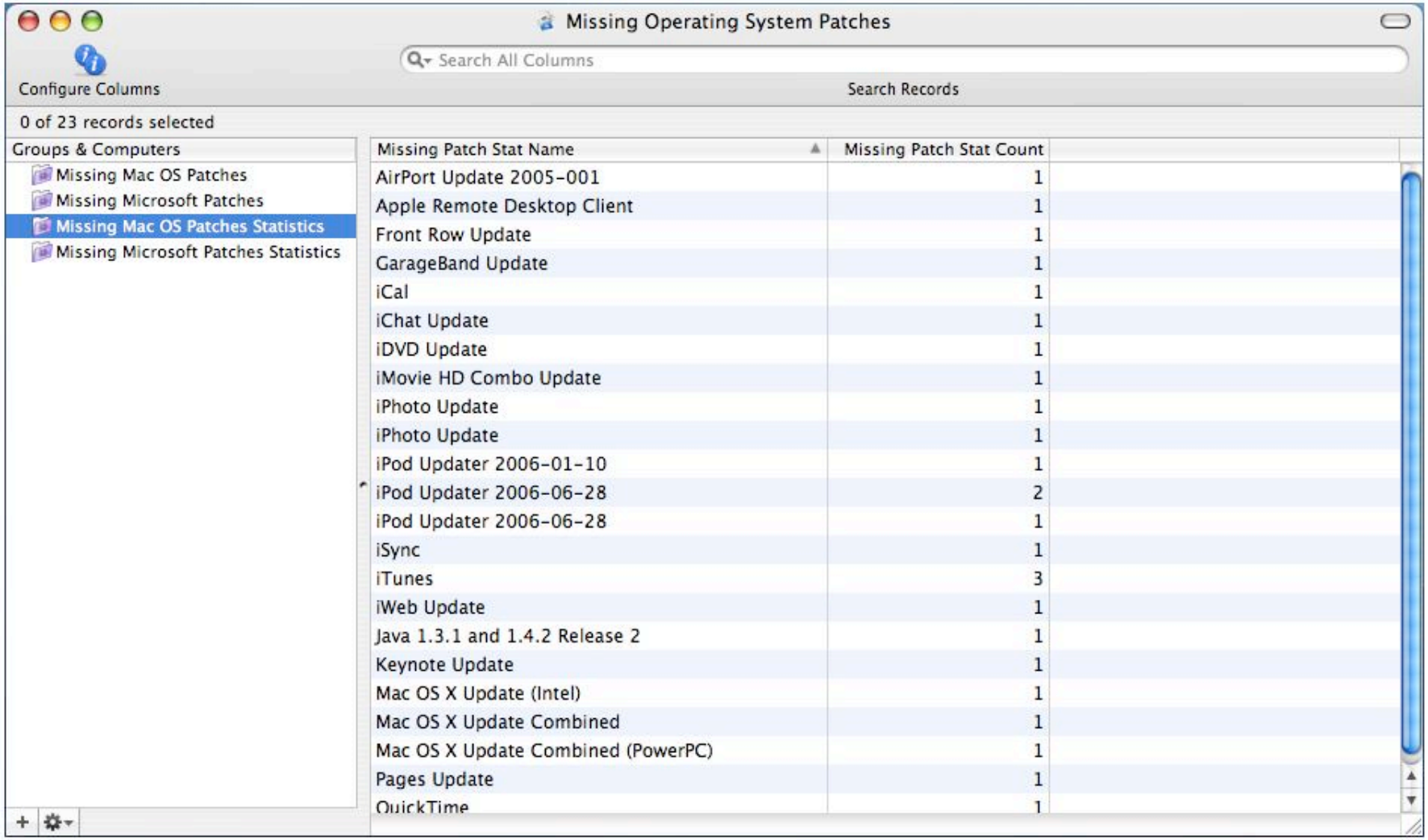


LANrev

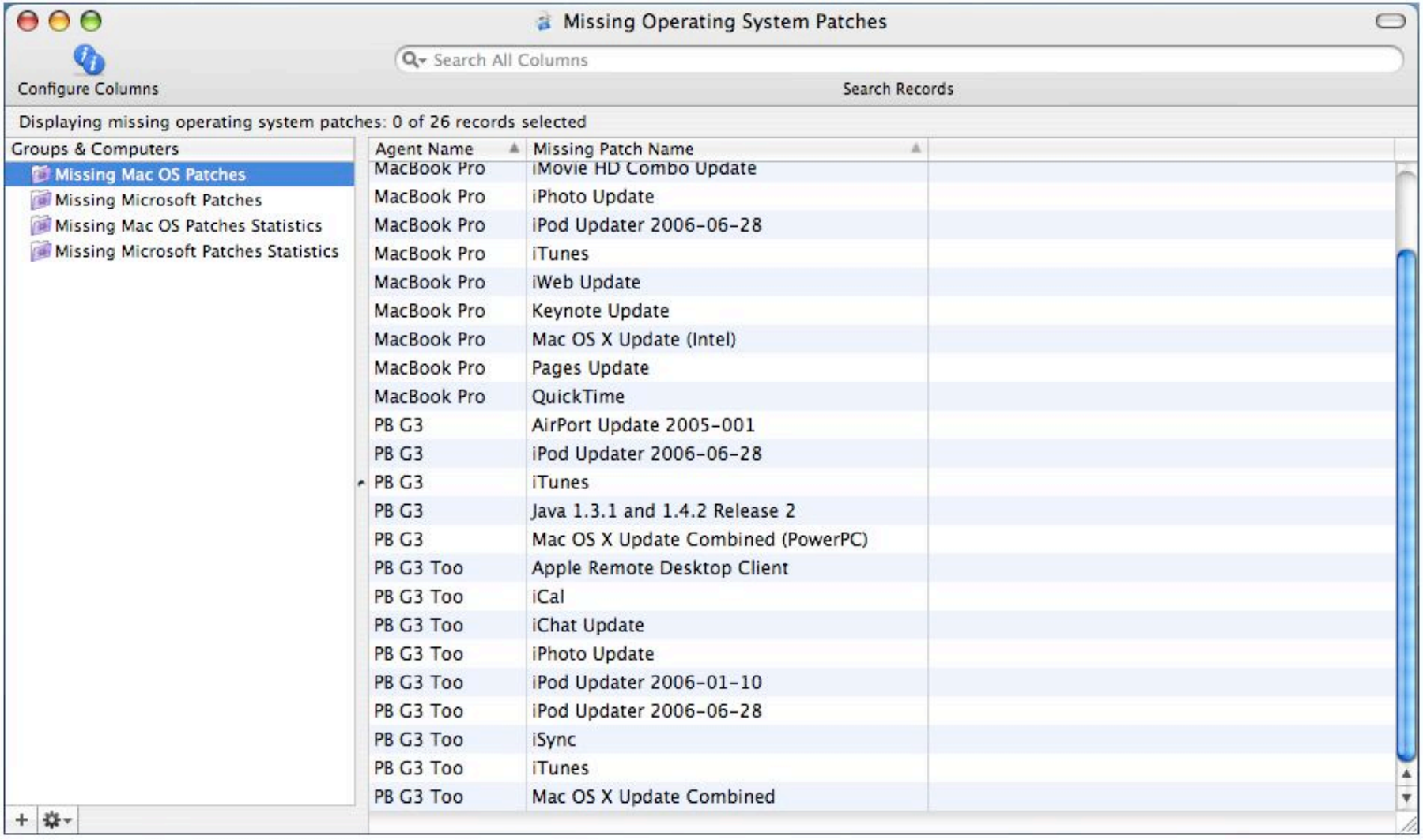
Patch Management



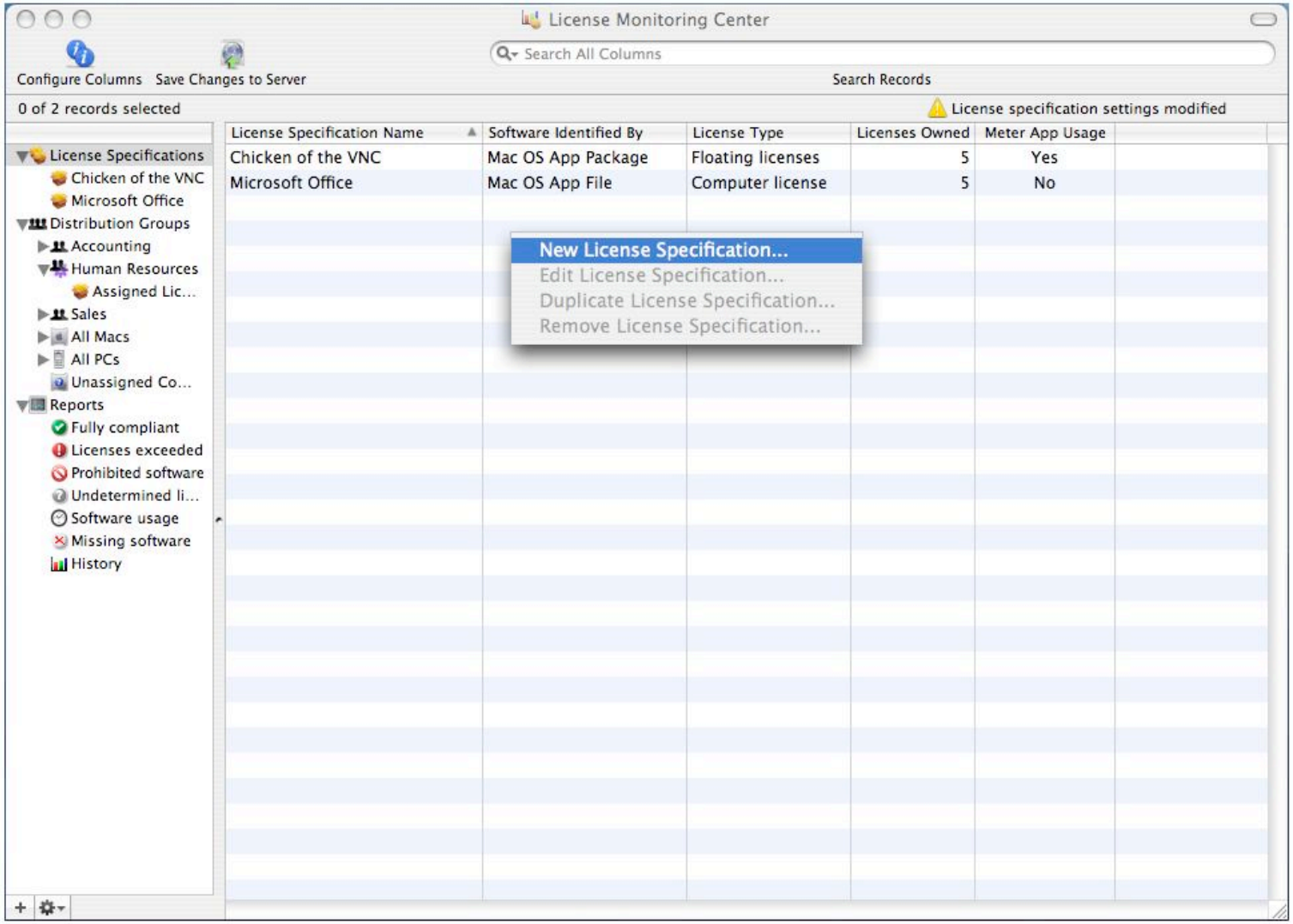
Missing OS Patches Statistics



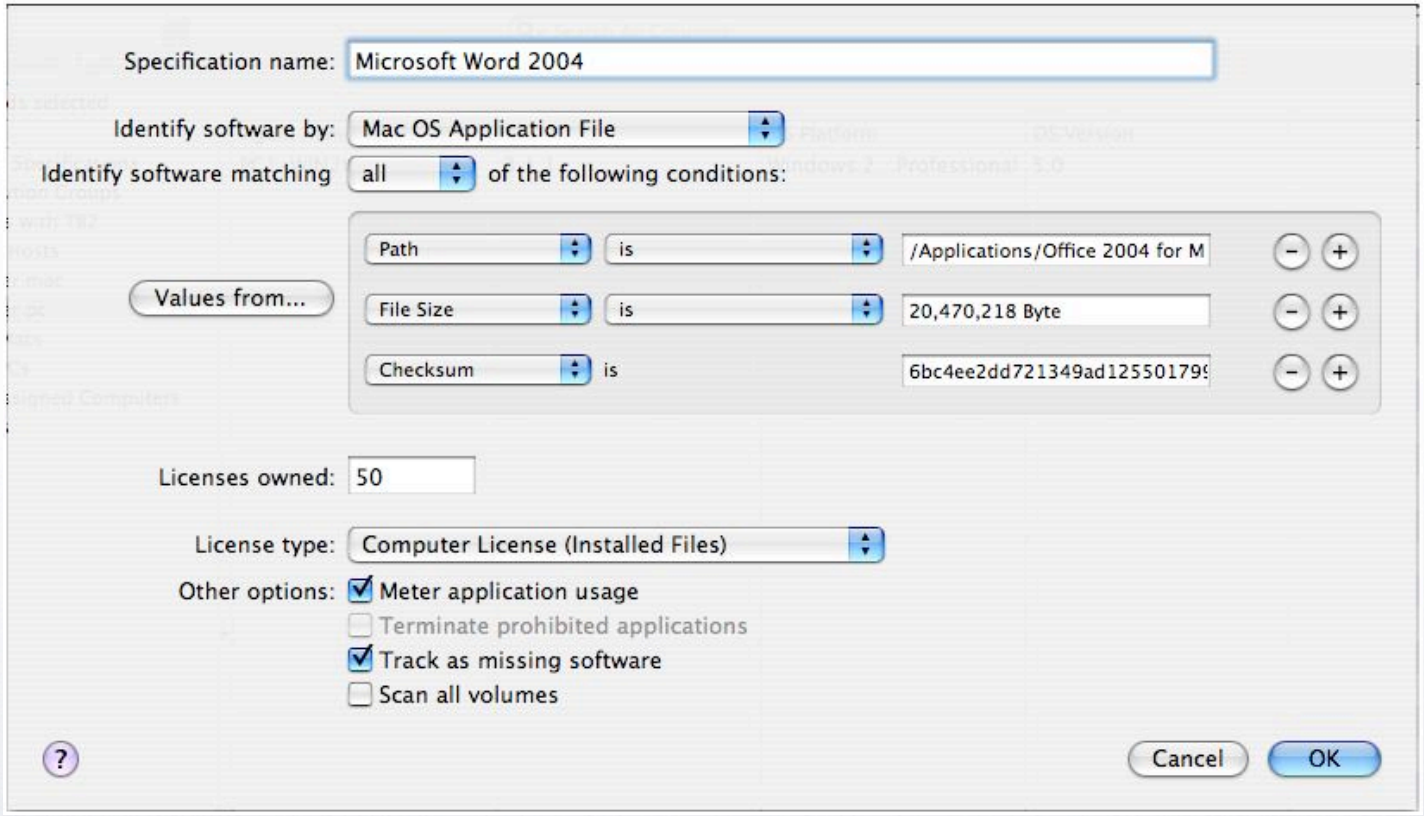
Missing OS Patches Report



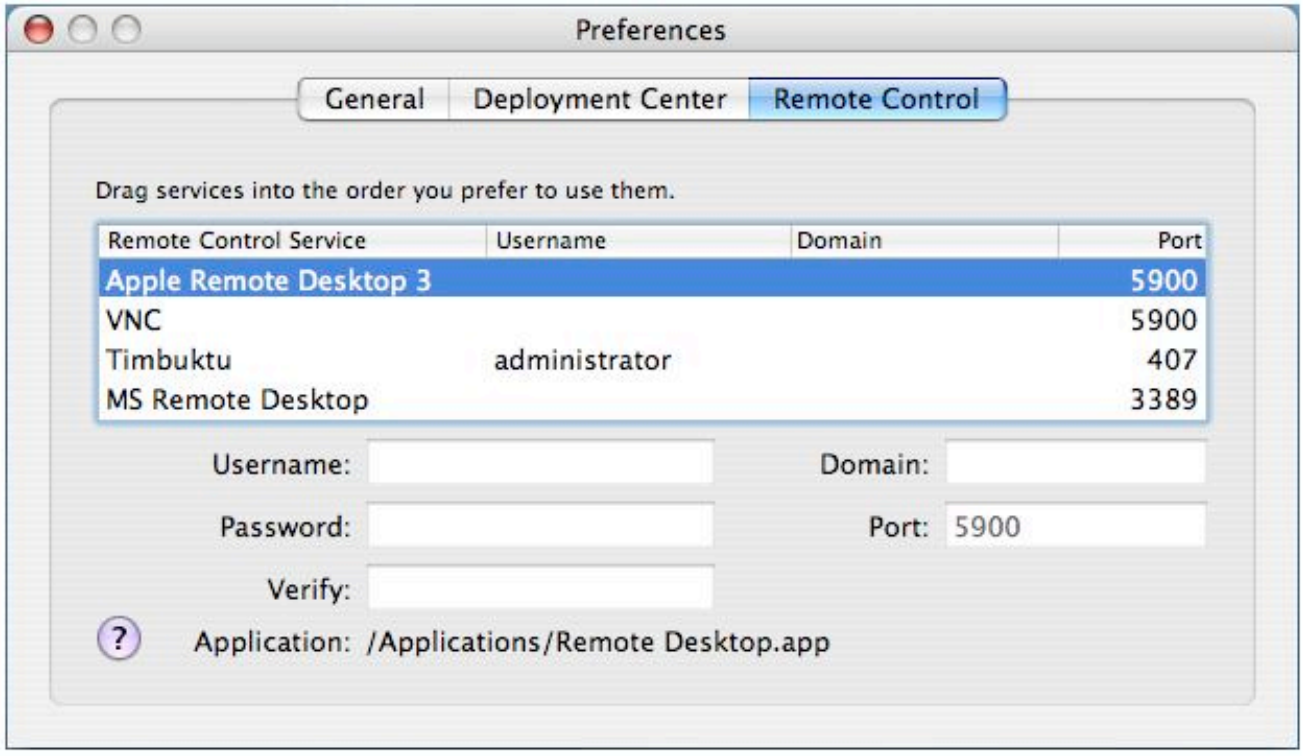
License Monitoring Center



Licensing Specification



3rd Party Remote Control Integration



LANrev

Thank you

LANrev evaluations are available at
http://www.lanrev.com/product/download.shtml

Contact LANrev Sales for an extended evaluation license at (214) 459-0136. Education pricing available.

Q & A