

New NetWare® 6.5 Features

Jim Abbott
Senior Product Manager, Web Technologies
Open Enterprise Server
jabbott@novell.com



Novell.

N

What's New in the NetWare Kernel



New/Enhanced Features

- BASH
- Mono™ (SP1)
- POSIX “process” (standards-based APIs: fork, exec, etc.)
- Internal debugger (soft brk points, SMP, protected memory)
- Search facility for NetWare registry
- Red Hat Package Manager
- CIMOM services
- SYSLOG
- Fast reboot (failover)
- Reboot watchdog - configurable
- Python-based RUG
- PCI-X Support
- USB device support enhancements - Multi LUN
- MSI (Messaged-Signaled Interrupts) support
- ACPI 2.0 support
- NXBit Support

N

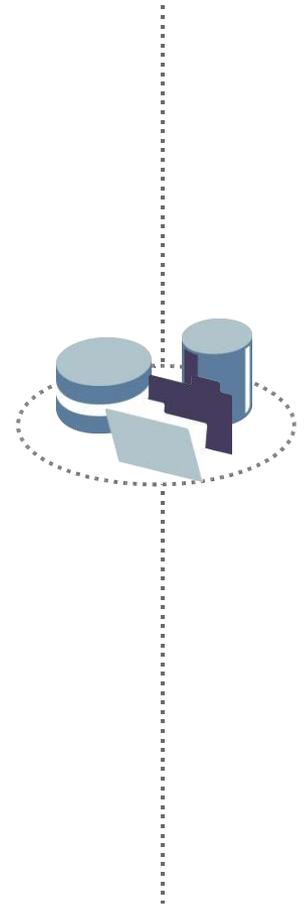
What's New in Storage

Freeze/Thaw Support

- Novell iFolder®
- MySQL
- Novell Storage Services™
- CIMOM

Cluster Enablement

- | | |
|------------------|----------------------------------|
| • CIFS | (active/passive & active/active) |
| • NFS | (active/passive & active/active) |
| • FTP | (active/passive & active/active) |
| • AFP | (active/passive & active/active) |
| • LDAP | (active/passive & active/active) |
| • NetStorage | (active/passive) |
| • MySQL | (active/passive) |
| • Apache | (active/passive) |
| • Novell iFolder | (active/passive) |
| • iPrint | (active/passive) |
| • Virtual Office | (active/passive) |
| • DHCP | (active/passive) |
| • DNS | (active/passive) |



N

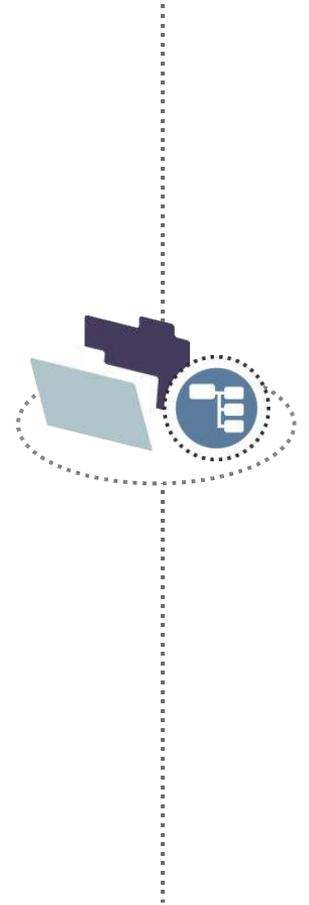
What's New in File Services

Novell iFolder™

- Bug fixes in iFolder 2.1.4

NetStorage

- Posix file system rights
- Bulk operations
- Move files/directories
- Salvage
- Modify rights

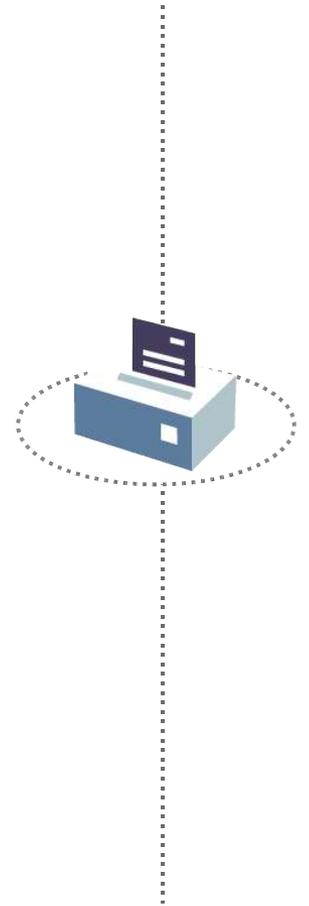


N

What's New in Printing

iPrint

- iPrint client for Linux
- iPrint client for Mac
- Pre-set printer driver default
- Custom banner pages
- DNS printer name support
- Auditing
- Command line management
- Printer consolidation tool
- Support for Port 9100



Novell.

N

What's New in Management

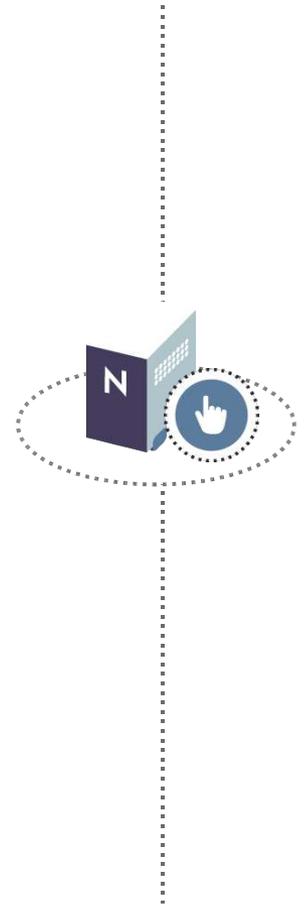
CIM Instrumentation

- Health Monitor: processor performance, physical memory, network, basic server configuration, process reporting
- Storage Management
- iPrint

iManager performance enhancements

Browser support

- Mozilla
- Epiphany



Demo of Server Health Monitoring

NRM Health Page a New Generation

N

What's New in Other Areas

Virtual Office

- Personal Page UI enhancements
- Web Search option
- Universal password support (forgotten pswd & hint)
- Enable/disable Virtual Teams
- Enable/disable Public Pages
- User full-name display

Logging and Auditing

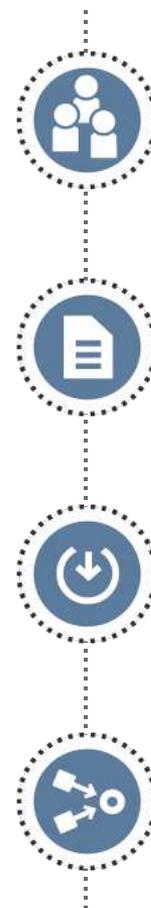
- Manageability for Basic Logging Functions
- File and File Directory Structure Logging
- eDirectory™ Logging

Install

- RPM Packaging
- RCD Support
- Better Silent Installs Support

Server Consolidation Utility

- Active Directory migrations



N

What About the Applications Space?

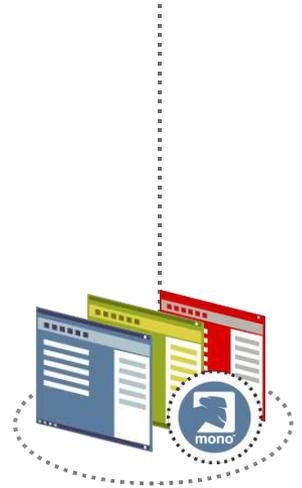
Updates

- Apache 2.0.50
- JVM 1.4.2_6
- Tomcat 4.1.31
- MySQL 4.0.21
- PHP 5
- exteNd App Server 5.2.1

Mono on NetWare (OES SP1)

And ...

entitlement to run applications on SUSE Linux Enterprise Server!!



N

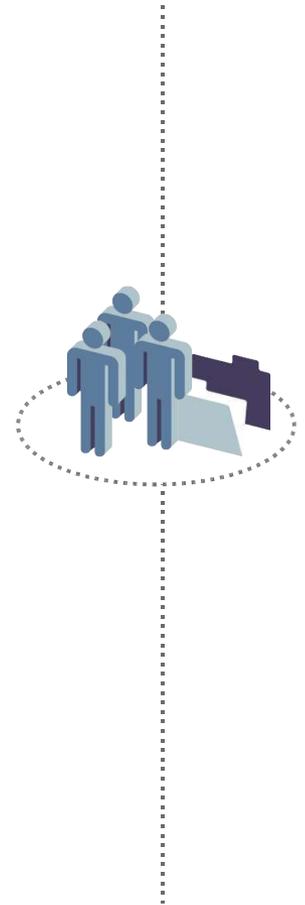
Differences between OES NW65-SP3

	Open Enterprise Server	NetWare 6.5 SP3
iManager 2.5	YES	No
Quick Finder 4.0	YES	No
Virtual Office	YES	No
New Welcome Pages	YES	No
	Open Enterprise Server SP1	
iFolder 3.0	YES	No
Mono	YES	No

N iManager 2.5

iManager 2.5 Improvements:

- Smaller Memory Footprint
- Quicker Load Times
- Improved install & upgrade
- Improved group management



N

QuickFinder 4 (formerly WebSearch)

QuickFinder 4 Improvements:

- Administrators can define relevance adjustments
 - Index weights applied to multiple search indexes
 - Path weights assigned to any path within an index
 - URL relevance adjustment (fine tune weighted index)
- QuickFinder can now index Open Office documents
 - Write, Impress, Calc, Draw and Math
- XML reader supports all document encodings
 - ISO
 - UTF
 - Almost anything that is out there

N

Virtual Office

Virtual Office Improvements:

- Personal Page UI enhancements
- Web Search option
- Universal password support (forgotten password & hint)
- Enable/disable Virtual Teams
- Enable/disable Public Pages
- User full-name display

N

Welcome Pages

NetWare OES

- Administrator login link provides identity context
- Welcome page content parsing based on underlying OS
- Single sign-on experience when jumping to other pages
- New product content look and feel

Linux OES

- No secure login through port 2200
- No single sign-on experience when jumping to other pages
- Welcome page content parsing based on underlying OS
- New product content look and feel

Demo of BASH Shell & VI Editor

Command Line Utilities from Linux & Unix

N

BASH (Bourne again sHell)

BASH

Bash is a shell, or command language interpreter, BASH incorporates useful features from the Korn shell (ksh) and C shell (csh). It is intended to conform to the IEEE POSIX P1003.2/ISO 9945.2 shell and tools standard.

Primary BASH Command Categories:

- Moving around the System
- File Manipulation
- Editing a File

N

BASH commands

Moving around the NetWare File System

cd (change directory) `cd /` (Change to root of directory)

ls (obtain a list of directory contents)

ls -l (long view with time stamp, file permissions, ownership)

ls -l | less or more (more is less) NetWare peculiarities Q esc

cd - directory-name (move between directories)

cd /apache2/conf (moves to the conf subdirectory of Apache)

N

BASH commands (continued)

File Manipulation

cp file1 file2 (ex: # cp /home/nick/new_httpd.conf /
etc/httpd/conf/httpd.conf)

rm file1 (ex: # rm /home/nick/new_httpd.conf) deletes file

chown jabbott *.html (grants ownership to a specific .html)

chgrp jabbott *.html (changes group ownership in directory)

chmod 644 *.html changes access by owner and read only by users

N

VI Editor

VI Editor offers better capability than NetWare edit

VI offers two modes **command** and **insert**

- The command mode allows the entry of commands to manipulate text. These commands are usually one or two characters long, and can be entered with few keystrokes.
- The insert mode puts anything typed on the keyboard into the current file.
- VI starts out in command mode. There are several commands that put the VI editor into insert mode.

Novell®

General Disclaimer

This document is not to be construed as a promise by any participating company to develop, deliver, or market a product. Novell, Inc., makes no representations or warranties with respect to the contents of this document, and specifically disclaims any express or implied warranties of merchantability or fitness for any particular purpose. Further, Novell, Inc., reserves the right to revise this document and to make changes to its content, at any time, without obligation to notify any person or entity of such revisions or changes. All Novell marks referenced in this presentation are trademarks or registered trademarks of Novell, Inc. in the United States and other countries. All third-party trademarks are the property of their respective owners.

No part of this work may be practiced, performed, copied, distributed, revised, modified, translated, abridged, condensed, expanded, collected, or adapted without the prior written consent of Novell, Inc. Any use or exploitation of this work without authorization could subject the perpetrator to criminal and civil liability.



Novell.