

NFS Maestro Solo™ 2007

NFS Maestro Solo™ is the de facto standard for Network File System protocol on PC and it supports all the latest NFS technologies, including NFSv4, NFS over TCP and WebNFS. The advanced NFS features, strong security, seamless integration with the Windows® operating systems and comprehensive support of enterprise directory services make NFS Maestro Solo the most advanced and secured PC NFS client. It also provides bi-directional file and printer access between Windows and NFS-enabled hosts.

NFS Support

- > Supports NFS version 2, 3 and 4 (RFC1094, RFC1813, RFC3530)
- > Both client and server implementations
- > Kernel Mode implementation
- > Native 32-bit and x64 implementation
- > Supports Operation in IPv6 networks
- > Supports Setuid and Setgid
- > Supports WebNFS (RFC2054) and NFS over TCP
- > Supports 32-bit File locking
- > Hard and Soft Mount
- > Supports Microsoft® UNC
- > Unlimited remote drives and printers
- > Cache Manager
- > Device-less connection Support
- > Wizard-based and command line applications for creating symbolic links over NFSv4 connections
- > NFSv4 Compatible Command Line Applications

Directory Services Support

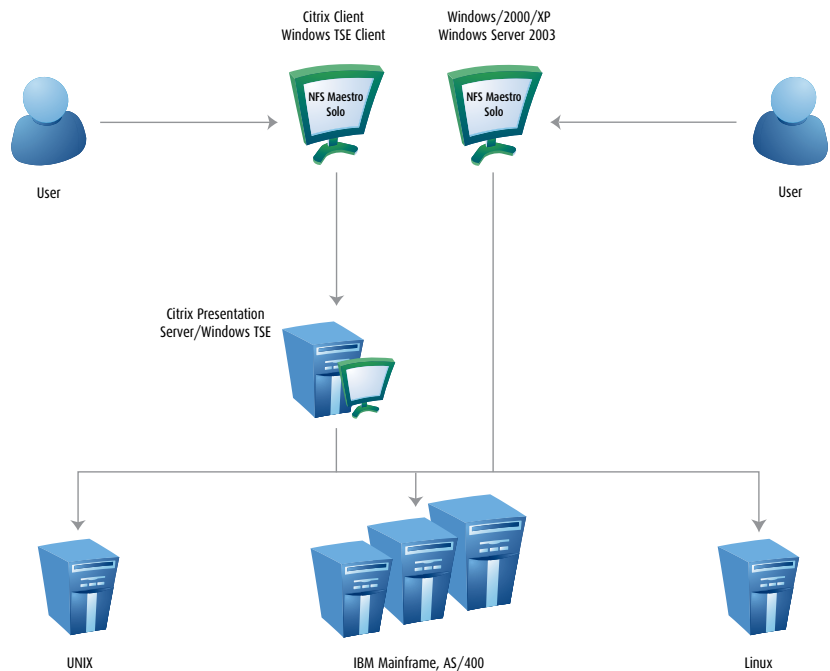
- > Support multiple directory service profiles for each directory service type
- > Support per-connection selection of directory service profile
- > Supports NIS, NIS+, LDAP and Microsoft Active Directory®
- > Support schema definitions including: RFC2307, RFC2307AIX, AD4UNIX and Vintela VAS
- > NFS server browsing
- > Auto-discovery of server configuration through DHCP
- > Auto-mount capability
- > Password synchronization
- > User Profile Roaming

Security

- > Supports RPCSEC-GSS (RFC2203) and GSS-API (RFC2078)
- > Accepts MIT Kerberos, Connectivity Kerberos™ 2007 and Connectivity SSL-LIPKEY™ 2007 as GSS providers
- > Supports Solaris® ACL and SASL protocol for authenticating with Microsoft Active Directory domain (RFC2222)

Name Mapping Server

- > A stand-alone server to map Windows user and group to UNIX® UID and GID
- > Intelligent Name Mapping Cache for improved productivity
- > Supports Auto Mapping and Import/Export of mappings
- > Integrates with Directory Services
- > Advanced mechanism to handle unmapped names



System Requirements

- > **Operating Systems:** Windows 2000 Professional, Windows 2000 Server, Windows XP Professional, Windows XP Professional x64 Edition, Windows XP Tablet PC Edition, Windows Server™ 2003, Windows Server 2003 x64 Edition, Windows Terminal Server Edition, Citrix® Presentation Server™ for Windows platforms and Ready for Windows Vista
- > **System Requirements:** Hard Drive space for typical installation: 22 MB

2007

- > **Support for Connectivity SSL-LIPKEY™:** as an alternative GSS provider for RPCSEC_GSS authentication. The support for LIPKEY requires the installation of Connectivity SSL-LIPKEY 2007.
- > **Multiple Directory Services Profiles:** Supports up to 10 directory service profiles for each directory service type. The huge selection of directory services ensures that each NFS connection can be individually and independently authenticated by the most appropriate directory service.
- > **Symbolic Link Creation over NFSv4 Connections:** The functionalities of the Create Symbolic Link Wizard and its command-line equivalent tool have been extended to allow users to create and delete symbolic links over NFSv4 connections.
- > **Intelligent Name Mapping Cache:** In any large enterprise, name mapping data stored in the Name Mapping Server can be so huge that rebuilding it may take hours, renders the server inoperable. In version 2007, name mapping tables are cached on the disk once they are successfully created. Upon Name Mapping service restart, the Name Mapping Server will load the cached data while rebuilding new ones in the background.
- > **Full Support For Unicode:** Support Unicode throughout the whole product family.

2006

- > **Support Operations in IPv6 Networking:** allows NFS Maestro Client™ to operate in an IPv6 local area network.
- > **New Unicode Support:** giving NFS Maestro Client the capability to process paths up to 32K characters in length.
- > **Support for Setuid and Setgid:** allows raising and lowering users' access privileges, giving users different privileges to execute commands.
- > **Connection-Specific RPCSEC_GSS Type Service:** separate RPCSEC_GSS services can be specified for each RPCSEC_GSS connection.
- > **Symbolic Links Creation:** a new command-line utility and shell extension that allow users to create and delete symbolic links on NFS resources.

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- > **LDAP Support for Additional Servers:** Directory Services Explorer supports four of the most popular LDAP schemata, with an option to allow users to create a new schema.
- > **Enhanced Kerberos Support:** fully integrated with Connectivity Kerberos™. It also supports the MIT-Kerberos distribution.
- > **Support for Hard Mount:** ensures all NFS transactions across the connection proceed to completion.
- > **Remote Administration us MMC:** allows an administrator to remotely manage various aspects of the products.
- > **Setting Migration Wizard:** users can quickly export/import the Hummingbird user files directory for backup or hardware migration purposes.

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- > **Extensive Windows Shell Integration:** brings convenience and transparency to the NFS Maestro™ users, resulting a boosted productivity and better usability.
- > **Solaris ACL support:** provides a finer level of control of file access permissions.
- > **SASL Authentication Method:** uses Simple Authentication and Security Layer protocol to authenticate against the Microsoft Active Directory domain.
- > **License Management:** the Hummingbird Metering server allows administrators to obtain accurate reporting on their installed Hummingbird licenses.
- > **New Name Mapping Server:** acts as a central UNIX-to-Windows name mapping data repository, allowing other NFS Maestro products to retrieve the mapping information.

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- > **Windows Certification:** NFS Maestro Client has been tested and certified for Microsoft Windows 2000 and has received the Designed for Windows XP logo.
- > **NFS Network Browser:** allow users to browse all NFS resources available on the network using Windows Explorer or Network Neighborhood.
- > **Separate Default File and Directory Permission:** newly created files and directories can have different access permissions controlled by users.
- > **NFS Maestro Client Supports the New NFSv4 Protocol:** The Hummingbird implementation of NFSv4 is in accordance to the RFC3010.
- > **Expanded LDAP Support:** Hummingbird Directory Services supports any RFC2307-compliant servers, including Sun® iPlanet and Microsoft Active Directory domains that have been updated with the AD4UNIX component.

How Can Hummingbird Help You?

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