

NCD ThinPATH™ Load Balancing

Optimize Terminal Server Edition servers and maximize end-user access to applications

NCD ThinPATH Load Balancing automatically directs an end-user to the server with the lightest load in a server farm.

Highlights

- For PCs and NCD ThinSTAR Windows-based Terminals
- Enhances Microsoft Terminal Server Edition deployments and the Remote Desktop Protocol (RDP)
- Balances application sessions across servers to assure best performance to end-users
- Application publishing speeds and simplifies the connection process
- Server fault tolerance
- Concurrent user licenses

Low Cost, Flexible Solution for Server-centric Computing

As organizations deploy Microsoft's Terminal Server Edition and server-based applications to thin client and PC desktops, the need to optimize utilization of server resources grows significantly. NCD ThinPATH Load Balancing software addresses this customer need. NCD ThinPATH Load Balancing software directs an end-user's Terminal Server Edition session to the server in a server farm with the least session load to provide the best possible performance to the end-user, and maximize available server resources.

Load Balance PCs and NCD ThinSTAR WBTs with Microsoft RDP

NCD Thin PATH Load Balancing software is unique in that it provides functionality via Microsoft's Remote Desktop Protocol (RDP) to eliminate the need to layer multiple protocols on the network. In addition, NCD ThinPATH Load Balancing software is for both PCs and NCD ThinSTAR Windows-based Terminals. Whether an organization is deploying Windows-based Terminals or extending the life of installed PCs, NCD ThinPATH Load Balancing software enables the implementation of a robust, low cost Terminal Server solution.

Deploy and Manage Server-based Applications Easily

NCD ThinPATH Load Balancing automates client connections to a server for the best-projected performance based on the current operating load of the server. Systems Administrators can add more computer power if necessary by simply adding another server to the group, without changing user desktop configurations. NCD ThinPATH Load Balancing includes an easy to use drag and drop interface for configuring server groups, supports multiple CPU servers, and servers on different subnets.

Application publishing speeds and simplifies the end-user session connection process by pre-defining applications and associated servers.

NCD ThinPATH Load Balancing is a highly scalable solution — servers can be replicated easily and there is no practical limit to the number of servers in an application group.

Maximize End-user Productivity

Using NCD ThinPATH Load Balancing, end-users enjoy transparent access to server-based applications, regardless of the physical location of the server. Plus, end-users are assured optimal session performance with NCD ThinPATH Load Balancing due to the software's automatic selection of the least loaded server for a particular application. NCD ThinPATH Load Balancing also supports session disconnect and reconnect to give end-users flexibility.

Server Fault Tolerance

Using NCD ThinPATH Load Balancing software to group Terminal Server Edition servers into server farms provides a level of fault tolerance. Applications can be accessed from more than one server in the server farm.

The NCD ThinPATH Software Family

NCD ThinPATH Load Balancing is a member of the NCD ThinPATH Software family. NCD ThinPATH Software provides enhanced functionality and flexibility for Microsoft Windows NT Server 4.0, Terminal Server Edition from PCs and NCD ThinSTAR Windows-based Terminals. The NCD ThinPATH Software family is comprised of Management, Desktop Support, and Emulation modules. NCD ThinPATH Software offers a robust, low-cost Terminal Server solution. NCD ThinPATH Software is predicated on NCD's decade of experience in meeting customer needs with industry-leading hardware and software technology. A good deal of our success is the result of close working relationships with companies like Citrix®, IBM®, Intel®, and Microsoft®.

World-class technical support

NCD and NCD Technology Certified Resellers provide a decade of experience in thin client computing. Backed by formal service level agreements with Microsoft and Citrix, you can choose from a wide range of services that cover the entire thin client environment.



Management

Desktop Support

Emulation

NCD ThinPATH Manager
NCD ThinPATH Load Balancing

NCD ThinPATH Plus

NCD ThinPATH Connect
NCD ThinPATH X Windows
NCD ThinPATH Xware

NCD ThinPATH™ Load Balancing

Technical Specifications

Features

- Load balancing information is automatically replicated to other load balanced servers
- Load balanced servers are accessible across WANs, subnets
- Supports ICA and RDP connections to the server
- Application publishing
- Session disconnect/reconnect
- A familiar Microsoft Windows Explorer like user interface and drag and drop interface to build server farms and associated published applications
- Server fault tolerance
- No practical limit to the number of servers in an application group
- Servers can be located on different networks, simply bridged by low speed data links
- User selects from server group list

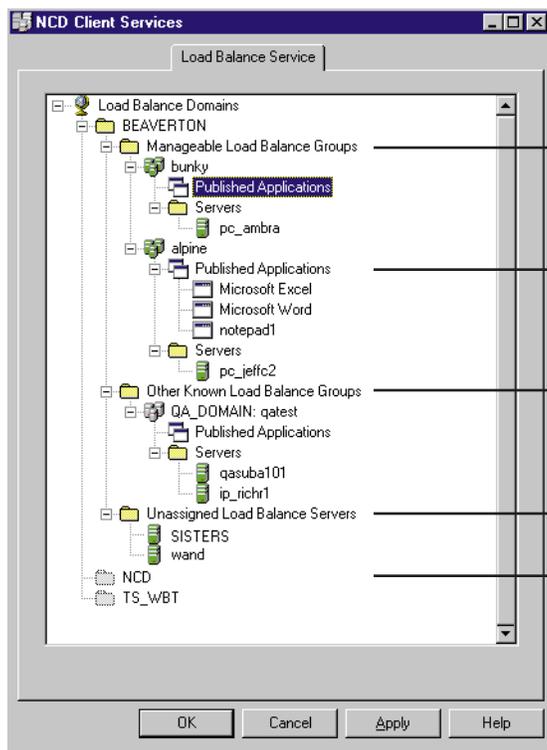
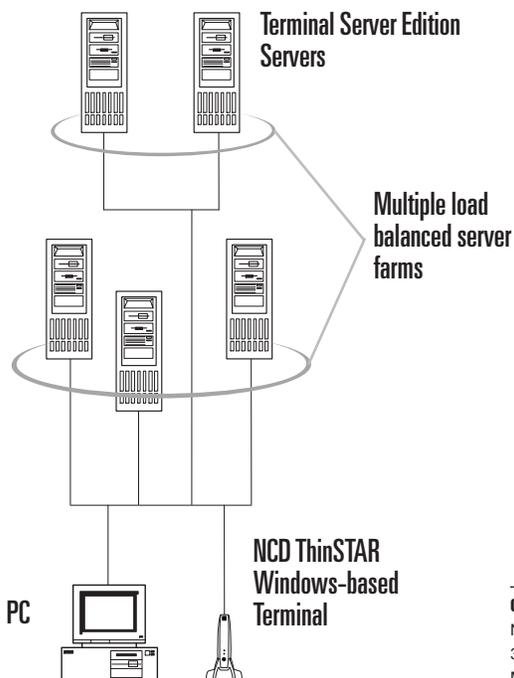
Requirements

Server

- Server with Microsoft Windows NT Server 4.0, Terminal Server Edition
- Optional Citrix MetaFrame (for load balanced connections over ICA)
- NCD ThinPATH Load Balancing software installed on each server participating in a server farm

Desktop

- PCs utilizing Windows NT Workstation 4.0, Windows 98 or Windows 95
- NCD ThinSTAR 200 Windows-based Terminal
- NCD ThinSTAR 300 Windows-based Terminal



Graphical interface for NCD ThinPATH Load Balancing software — a view of distributed servers and published applications

- **Manageable Load Balance Groups** are groups you have defined. You drag and drop servers from the Unassigned Load Balance Servers onto your groups.
- **Published Applications** are applications users can connect to.
- **Other Known Load Balance Groups** are groups in other domains that are known in this domain. Because they are known, users can connect to them. However, group information is not updated across domains.
- **Unassigned Load Balance Servers** have load balance software installed and running, but are not assigned to any group.
- **Other domains are listed.** You can copy groups from these domains into Other Known Load Balance Groups in your domain. This lets users make connections to groups that may not be available in your domain.

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