

Why use a Terminal Server

- * TCO (Total Cost of Ownership)
 - The use of Terminal Servers do help in reducing the TCO.
- * Use a Terminal Server together with Thin Clients:
 - Thin Clients are much cheaper then modern PC's.
 - Low energy Thin Clients are environment friendly.
 - Old PC's can be turned into a Thin Client and still be used.
- * Show Windows applications on the Apple / Linux desktop.
- * Control and Publish Applications:
 - A central Terminal Server Farm implies much easier Application maintenance.
 - You do not have to install every Application on every client of every employee.

Why use Windows XP for a Terminal Server

- * Most Applications do run on Windows XP / Vista:
 - A lot of Applications do not run on Windows Server or Citrix.
- * Windows XP is cheaper and more available then Window Server.
- * It is not a good concept to mix server functionality with user activity:
 - Do not run user activity on the important central server.
 - Therefore, use separate Windows / XP Unlimited Servers (see next page).

Why use Windows XP for a Terminal Server

- * **Separate user activity from server functionality:**

- Users can “mesh up” a PC. Users can create “havoc” on a PC. You do not want that on your central, important server.
- Databases, file servers, firewalls, etc, should run on systems that can not be accessed by users.
- Databases can use lots of CPU and lots of memory. Users do not appreciate slow systems.

- * **Conclusion:**

- 1 single server for both server functionality and user activity is a bad concept.
- Use separate Windows / XP Unlimited servers for your Applications and your users.

Why use Windows Server for a Terminal Server

- * Windows Server can have 8 GB of internal memory while Windows XP can have at maximum 4 GB.
- * Windows Server is delivered by Microsoft with several “server” oriented tools which might be important for you.

Requirements of XP Unlimited

- * **Server:**

- Windows XP Professional with service pack 2. –
- Windows Vista
- Windows Server 2003, optional SP1 or SP2.

- * **Server hardware:**

- Any system that runs Windows.
- When the server runs out of performance, connect an extra XP Unlimited server to the Farm and continue to work.

- * **Clients:**

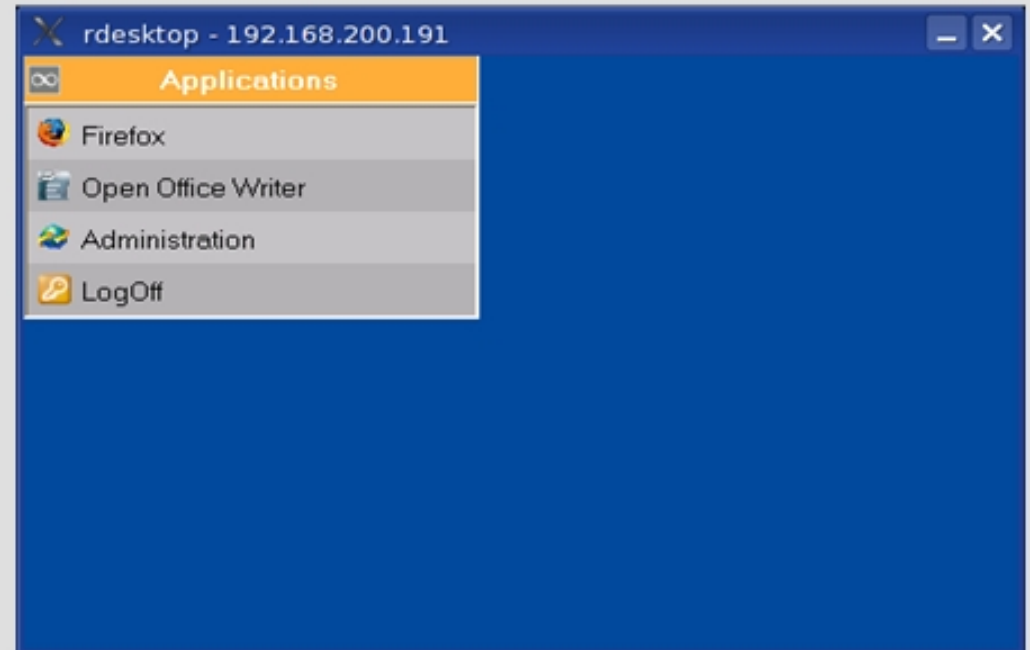
- Standard Remote Desktop Clients:

Any version of Windows (W9x, WinNT, Win2k, WinXP, Vista).

- * Linux and Apple, using rdesktop.

Optional: Application Control and Publishing

- * You can assign Applications to users and groups.
- * No Desktop, no Windows Startmenu, no Control Panel, no chance to “mesh up” the system.
- * The user only sees the small, efficient Startmenu of XP Unlimited, showing the assigned Applications.

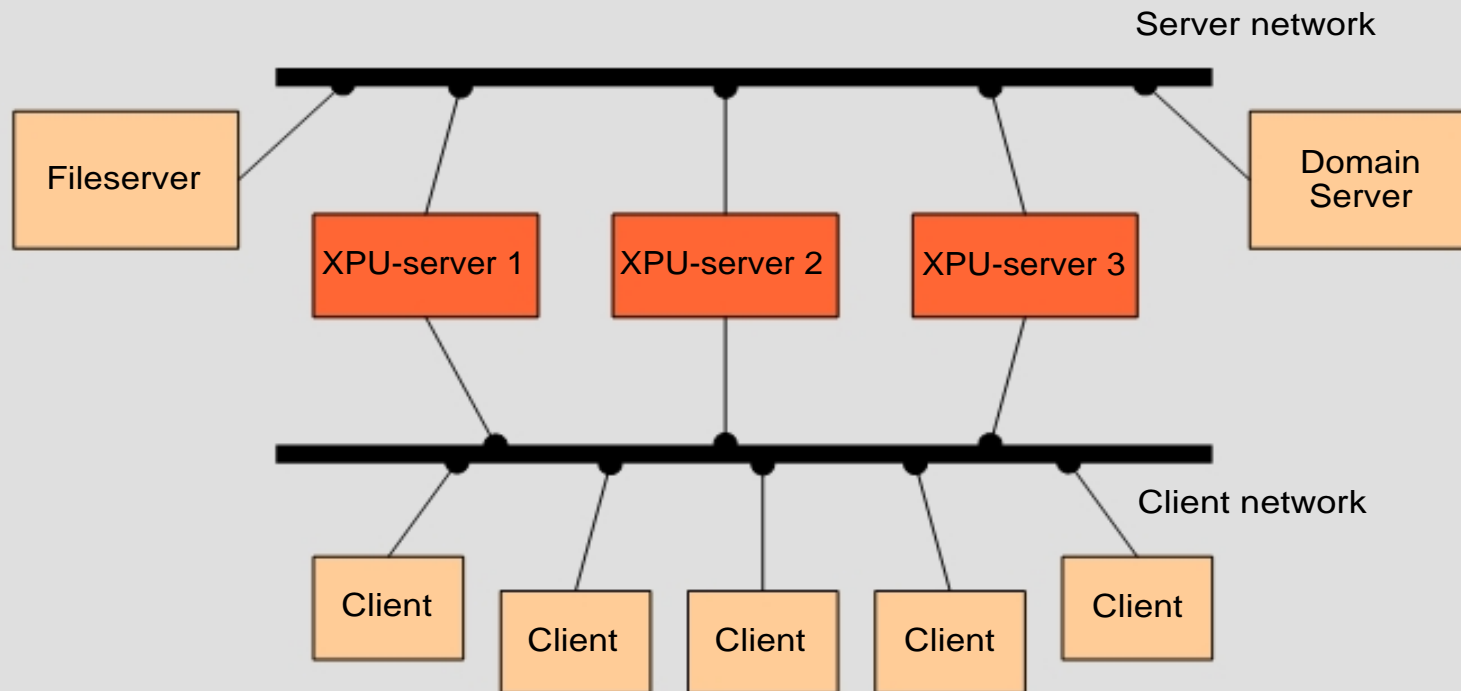


Unlimited Load Balancing

- * Any number of XP Unlimited servers can work together in a Farm.
- * The users in the Domain are automatically shared among the XP Unlimited servers, based on the load. Load parameters are:
 - Number of logged in Users.
 - CPU load.
 - Used memory.
 - Number of active processes.
- * The Farm will grow as big as needed by your business. The Farm can grow at any time you want it.
 - Servers can be dynamically added and removed from the Farm.

Example of a XP Unlimited Farm

- * Three XP Unlimited servers, sharing the load of the users:



How to test XP Unlimited

- 1) Arrange some hardware for the Test server. Anything that runs Windows will do.
- 2) Install XP Unlimited version.
- 3) Define some test-users and groups in the local server, or in the Domain.
- 4) Install Applications.
- 5) Optional: Assign Applications to the test-users / groups.
- 6) Connect a few clients.
- 7) Login.
- 8) Test all your Applications.

How to test XP Unlimited in a Farm

- 1) Arrange some hardware for the Test servers. Test with at least 2 servers.
- 2) Install XP Unlimited version.
- 3) Define some test-users and groups in the Domain.
- 4) Install the Applications on every XP Unlimited server.
- 5) Optional: Assign Applications to the test-users / groups.
- 6) Connect clients. Use our Load Balancing client.
- 7) Login with several test-users, concurrently.
- 8) Test all your Applications. Watch the load balancing.