

# Windows XP tests at DESY

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## Windows XP Options

- Windows XP Home Edition
- Windows XP Professional
  
- Microsoft .Net Web Server
- Microsoft .Net Standard Server
- Microsoft .Net Enterprise Server
- Microsoft .Net Datacenter Server

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## Do you need better hardware?

- XP comes with an improved user interface
  - Streamlined start menu
  - Grouping of used applications in the taskbar
  - Categorized control panel
- UI chrome can be gradually reduced
- Microsoft states higher but more realistic minimum requirements
- XP appears to be slightly faster than W2K

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## Security and .Net Server

- .Net Server products will be compiled with option to disallow invoking code placed on the stack
- Code security analysis tool developed at Microsoft Research Labs is put to use
- .Net Server setup installs base services only, user has to install options (e.g. IIS 6)

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## Heightened Security (I)

- Only “Authenticated Users” and “Guests” are members of the “Everyone” group
- New system accounts “Local Service” and “Network Service” are advocated

Local System	Network Service	Local Service
65 Services installed 39 Services Active	4 Services installed 1 Service active	10 Services installed 5 Services active

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## Heightened Security (II)

- Encrypted File System (EFS) doesn't require a recovery agent certificate
- Local printers can only be added by members of the “Administrators” group
  - Modify “Load and unload device drivers” Security Policy to accommodate users
- Passport 2.4 uses proprietary tickets, the new 3.0 release will be Kerberos V5 based

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## Legacy support

- Windows XP Professional can not be used to administrate NT 4 systems
- Microsoft even suggests to use Terminal Services for Remote Administration to manage Windows 2000 Systems
- Interface to the “Program Compatibility” mode is exposed via properties dialog
- Using “Run as...” strongly encouraged

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## Remote Desktop

- Uses the well-known port 3389
- Has to be enabled by a member of the “Administrators” group
- A list of users and groups with granted access must be supplied in order to run
- Side-steps “File- and Printer Sharing”

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## Remote Administration

- Based on Remote Desktop
- Has to be enabled by a member of the “Administrators” group
  - Either in “View only” mode
  - Or in “Remote Control” mode
- Uses a custom, XML-based ticket system for granting access
- By default tickets are valid for 30 days

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## Windows XP Goodies

- Windows XP is CD R/RW enabled
  - Creation of multimedia (audio) content
  - Simple backup of files
  - No UDF write support, no copy disk
- Internet Connection Firewall
  - Small, robust, non-intrusive firewall solution
  - Blocks TCP, UDP and ICMP
  - All or nothing setup
  - Logs to a custom file, not the event log

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