

FIZZ Network Requirements: hardware and software

	Recommended	Minimum
FIZZ supervisor (main PC)	Standard workstation	Standard workstation
Graphic card and monitor	XGA (1024x768) and 17" monitor (or better)	SVGA (800x600)
Windows version	Windows 7 to 10	Windows XP
Mouse	Mouse or equivalent pointing device	Mouse or equivalent pointing device
Memory	2 GB	512 MB (XP) or 1 GB (Vista/7/8/8.1) + 32 MB / FIZZ terminal
Available Disk Space	10 GB	5 GB
FIZZ terminals (judge PCs)	Standard workstation	Standard workstation
Graphic card and monitor	SVGA or better	VGA
Windows version	Windows 7 to 10	Windows XP
Mouse and keyboard	Mouse or equivalent pointing device (trackpad, touchscreen...), keyboard	Mouse or equivalent pointing device (trackpad, touchscreen...), keyboard
Memory	2 GB	512 MB (XP) or 1 GB (Vista/7/8/8.1)
Available Disk Space	10 GB	5 GB

The requirements above apply when the applications are executed on separate Windows PCs.

Centralized execution or desktop virtualization (Windows RDS, Citrix, VMware, Applidis,...):

FIZZ can also be executed centrally on a server or a virtual desktop (Windows 2003/2008/2008R2/2012 Server, Citrix, Applidis, VMware...) where the users connect using thin clients. This can be used for the judge stations only, or also the supervisor. Apply the following guidelines for memory, in addition to the memory requirements of your server OS:

- Supervisor: 1 GB
- Terminal (judge station): 256 MB per terminal

So if you plan for example to run 10 judge stations on an application server, plan 2.560 GB (10 * 256 MB) of memory, and 3.56 GB of memory if the supervisor is also executed on the application server. This is in addition to the standard memory requirements of server OS.

You will also need the required client licenses on your application server, and the thin clients to connect to your application server.

Network:

The FIZZ main computer and the terminals must be networked.

Any network software that allows file sharing.

At least 100 Mbps switched recommended.

Database

MS SQL Server (recommended) in v.2000 to 2014, including Express, or Oracle Database.

Paradox supported with limited database features

No access needed for judge PCs.

File server:

The applications on the judge and supervisor side must have access to a file server. For good performance, this server must be located on the site where these applications are executed.

If you plan to use the supervisor also as the file server, verify that you have enough client licenses: for example Windows 7 Professional normally allow only 20 clients for file sharing (10 for XP professional), including the PC on which it resides. So you will be able to connect only up to 19 terminals (9 for XP). These limits do not apply if you use a separate file server: check the limits of your file server and its client licenses.

If Paradox format for the FIZZ database, then database files cannot be placed on Windows 2008 Storage Server Edition or Windows 2008 Small Business Server. No known problem with the R2 versions of these server operating systems, nor with Windows 2008 Server (and R2), nor with the other database formats.

All requirements can be influenced
Take also into account
If in



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ns or drivers running, Windows settings...
other applications used.
equipment.
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