

Instructions for users

TECHNICAL REQUIREMENTS OF THE HARDWARE FOR THE USE OF PRO.4 SOFTWARE – LOCAL INSTALLATION

Slovenske Konjice, 17. november 2021

Hardware – application server

Minimum requirements:

- Dual-core processor 2.4 GHz
For faster operation, we recommend the use of faster processors with Quad Core or HyperThreading technology and a higher level L2 cache, or multi-processor systems in the case of more complex configurations.
- 8 GB RAM
The size of the memory depends on the amount of data.
- 100 GB hard drive space
To provide simultaneous access to more than three users, we recommend the use of SATA or SCSI hard drives. Due to data protection and greater availability in more complex systems, we recommend the use of RAID 10 or RAID 1 drive arrays at the level of the hardware (RAID controller) or mirroring at the level of the operating system.
- Ethernet network adapter, 100 Mbps
For the proper functioning of applications, the correct operation and settings of the network or TCP/IP protocol (name resolving) is mandatory. In order to improve the functioning of the network, we recommend the use of network switches instead of hubs. We recommend a 1 Gbps connection between the switch and the server)

Recommended requirements:

- Quad-core processor
- 16 GB RAM
- 120 GB HDD SSD with an extension option

Hardware – data server (supported bases: MSSQL or MySQL)

Minimum/recommended requirements:

- Dual-core processor 2.4 GHz
For faster operation, we recommend the use of faster processors with Quad Core or HyperThreading technology and a higher level L2 cache, or multi-processor systems in the case of more complex configurations.
- 8 GB RAM
The size of the memory depends on the amount of data.
- 100 GB hard drive space
To provide simultaneous access to more than three users, we recommend the use of SATA or SCSI hard drives. Due to data protection and greater availability in more complex systems, we recommend the use of RAID 10 or RAID 1 drive arrays at the level of the hardware (RAID controller) or mirroring at the level of the operating system.
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network, we recommend the use of network switches instead of hubs. We recommend a 1 Gbps connection between the switch and the server)

- MS SQL Server, version 12 (or 2014) or newer

Recommended requirements:

- Quad-core processor
- 32 GB RAM
- 250 GB HDD SSD with an extension option
- SAN or NAS for DWS (Documentation system)

Software – OS and system software for the application server

- Windows Server 2012 R2 or newer

Software – OS for the data server

- Windows Server 2012 R2 or newer

If using an application (client or application server) on a Windows server, the Slovenian regional settings (default settings) must be selected.

Personal computers (desktop computers or laptops)

Operating system

- Windows 8.1 or newer
- Mac OS

Screen size and resolution

- For laptops: 13" or more with a minimum resolution of 720p
- For desktop computers: 21" or more with a minimum resolution of 1080p

Mobile devices

- Tablets with Android 7.0 or newer and Apple iOS (Online application + Mobile Apps)
- Smartphones with Android 7.0 or newer, the device must support google services + have Google Play installed
- Apple iOS version 10.0 or more (mobile apps)
- Mobile device access to the internet
- At least 3G signal (LTE/4G is optimal).

Screen size and resolution

- Smartphones: 4.7" or more with a minimum resolution of 720p
- Tablets: 7" or more with a minimum resolution of 720p

Browsers

Supported browsers on all devices (computers and mobile devices):

- Google Chrome
- Opera
- Firefox
- Safari (only for Mac OS and iOS)

Anti-virus protection

In order to use PRO.4, users must have access to the URL address for PRO.4 or the URL address must be added to the exceptions for verifying and blocking Web Addresses in the settings of the anti-virus software on all devices.

POS printers

For Android and iOS: printer:

- TIMPOS 58BT MOBILE USB,BT
- TimPOS 80IIBT MOBILE USB,BT

For Windows

- Star TSP 100

Note: An expert from PRO-BIT must be consulted before purchasing the appropriate machinery.