

System Requirements

Translate: **EN** ▼

We recommend installing the MetaTrader 4 platform components on dedicated servers rented from hosting companies.

Hardware

	Minimum requirements	Recommended requirements
CPU	Intel i7 4xxx quad-core or more	Intel Xeon E3, E5 no less than quad-core
RAM	No less than 8GB	No less than 16GB
HDD	RAID-1 array with 2 x SATA 1TB	RAID-1 array with two 480GB SSDs for the trade server and the history server, RAID-1 array with 2 x SATA 1TB for backup servers
Network	No less than 20 Mbps Internet connection for both incoming and outgoing channels	No less than 100 Mbps Internet connection for both incoming and outgoing channels
Operating system	Windows Server 2016 Standard x64	Windows Server 2019 Standard x64

The processor must support [AVX](#) instructions to enable platform installation.

Choose a server configuration depending on the number of clients, financial instruments and the density of quotes stream. When databases grow, causing an increased load on the trading platform, event the initially recommended configuration may be fail to cope with such load.

Due to the fact that the backup server is basically a duplicate of the main trading server, it is desirable that the configuration of the backup server is similar or even identical to the configuration of the main server. It is not recommended to place the backup server at the same hosting company as the main server, as it may happen that the entire network of the provider will be unavailable. Locating the servers in different hosting companies increases data security and the resiliency of the system.

Additional Requirements

No third-party software for system time synchronization is allowed.

Use virtualization if you have control over the hypervisor and can ensure enough resources for the virtual machine running MetaTrader 4. At least 8 logical cores must be available to the virtual machine (virtual processors are specified here, unlike physical ones used for dedicated servers). The machine should support the Over-Provisioning technology and have the disk speed of no less than 30 MB/s.

Configure BIOS on the server to run low-latency applications: turn all the energy saving features off (including CPU C-state), set memory usage parameters to the High Performance state.

Recommended basic cluster configuration

We recommend renting at least two servers. It is advisable to have servers that are physically located in different data centers. One server is to be used as the main one. The second server is used as the backup one. The main server data is to be replicated to it in real time. Thus, even if one of the hosting providers has troubles, you will be

able to restore the platform on the backup server. This will allow you to minimize risks, while the probability of failure in both data centers is very small.

[Change Password](#)[System Preparation](#)

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