# System Requirements

### Base: HiScout Platform 4.0.0

## Web / Application-Server

We recommend the use of CPUs of the current generation. The hardware requirements need to increase according to the user count.

| Software (System) | Version |
|---|---|
| From Windows Server 2012 (64 Bit) to Windows Server 2022 | Current updates recommended |
| .NET Framework | 4.8 |
| Visual C++ Redistributable for Visual Studio 2012 Update 4 (Download Link) | |
| Erlang/OTP Framework | 26.2.5 |

| Hardware (System) | Scaling |
|---|---|
| CPU (minimum) | 4 Cores |
| CPU (recommended) | 8 Cores |
| RAM (minimum) | 8 GB |
| RAM (recommended) | 32 GB |
| HDD | 20 GB free disc space |

# Database server

We recommend the use of CPUs of the current generation.

| Software (System) | Version |
|---|---|
| From SQL Server 2017 | Current updates recommended |
| To SQL Server 2022* | *When running HiScout on a SQL Server 2022 instance the compatibility level of the HiScout database must be set to "SQL Server 2019 (150)" |
| **Hardware (System)** | **Scaling** |
| CPU (minimum) | 4 Cores |
| CPU (recommended) | 8 Cores |
| RAM (minimum) | 8 GB |
| RAM (recommended) | 32 GB |
| HDD | Recommended > 100 GB |

# Client, Workstation

HiScout is a Web-Application that runs in the browser and does not require installation of other components on the workstation.

JavaScript needs to be enabled in the browser.

Popups need to be allowed in the browser.

| Browser | Version |
|---|---|
| Firefox | minimum Version ESR 78 with limitations |
| Chrome | minimum Version 59 |
| Microsoft Edge | minimum Version 89 |
| **Hardware** | **Specification** |
| Monitor | Min monitor size 22''<br><br>Min resolution 1920 x 1080<br><br>Hint:<br><br>An optimal experience for HiScout is achieved by setting Windows and browser zoom to 100% |

# Network Requirements

Performance problems may arise when using HiScout over slow internet connections.

It is strongly recommended to encrypt all communication in HiScout. For test systems or internal use, the certificate can be self-signed.

All listed ports need to be open for incoming and outgoing communication.

| Usage | Protocol | Port |
|---|---|---|
| HiScout Web ↔ IIS | http / https | 80 / 443 |
| IIS ↔ HiScout Service | TCP | 8085 |
| Questionnaire Client ↔ Questionnaire API | http / https | 9090 |
| HiScout Service ↔ Database server | TCP | 1433 |
| HiScout Service ↔ Email server | TCP | 25 |
| HiScout ↔ Rabbit MQ | TCP / AMQP | 5672 |

# Authentication

HiScout offers the option of authenticating users via LDAP, SAML or OpenId Connect. The default authentication is LDAP.