

eDrilling Docs

Windows Deployment Requirements

This document describes the hardware and software requirements for running the applications natively on Windows.

Scalability and security needs to be handled by the customer for this solution. For scalability and security, refer to separate Kubernetes requirement document.

1. Software Requirements

These Windows versions are supported (64 bit only):

- Windows 10
- Windows 11
- Windows Server 2016
- Windows Server 2019

The following web browsers are supported:

- Google Chrome / Chromium
- Firefox
- Edge v79 or newer

2. Hardware Requirements for Server

- Hard disk: 256 GB
- CPU: Intel i7 (8th generation or newer)
- RAM: 16 GB
- Ethernet: 100 Mbps
 - An example from a running eDrillingHub, while connected to a Witsml stream and has one connected client, is 50 kB/s sending / 10 kB/s retrieving.

4 eDrillingHubs / wells can run on each server with this hardware spec.

In this solution the wellAhead and wellViz3D clients are installed natively on the client computers.

3. Hardware Requirements for wellViz3D client

wellViz3D is supported on the following hardware:

- Hard disk: 64 GB
- CPU: Intel i3 (8th generation or newer)
- RAM: 8GB
- Graphics: Nvidia and Intel GPUs supporting OpenGL 4.5
- Network:
 - Real time: 500 Kb/s can be expected

4. Hardware Requirements for wellAhead client

The application should work on standard computer hardware, but we do recommend the following:

- Hard disk: 64 GB
- CPU: Intel i3 (8th generation or newer)
- RAM: 8GB
- Graphics: Support for OpenGL 2.0
 - Does not support DPI Scaling
- Network:
 - Real time: 500 Kb/s can be expected

5. Hardware Requirements for wellPlanner Desktop

The application should work on standard computer hardware, but we do recommend the following:

- Hard disk: 64 GB
- CPU: Intel i3 (8th generation or newer)
- RAM: 8GB
- Graphics: Support for OpenGL 2.0
 - Does not support DPI Scaling