



System Requirements

Date 2021/02

orKsoft_System_Requirements.docx



Asset Integrity & Risk Based Management Software

From Version 1.2.20 and higher





1 orKsoft® System Requirements

This document details the system requirements on both the server and client side in order to run orKsoft®.

Three main infrastructures (On-premise, Hosted, Windows Azure) are possible. The three options have been detailed below.

Alternate configurations are possible, please contact support_orksoft@amethyste.fr .

2 On-Premise deployment

In On-Premise scheme both orKsoft® Server and Client software are deployed onto the customer's infrastructure.

The installation is managed by orKsoft® Support Team in collaboration with the customer's IT department.

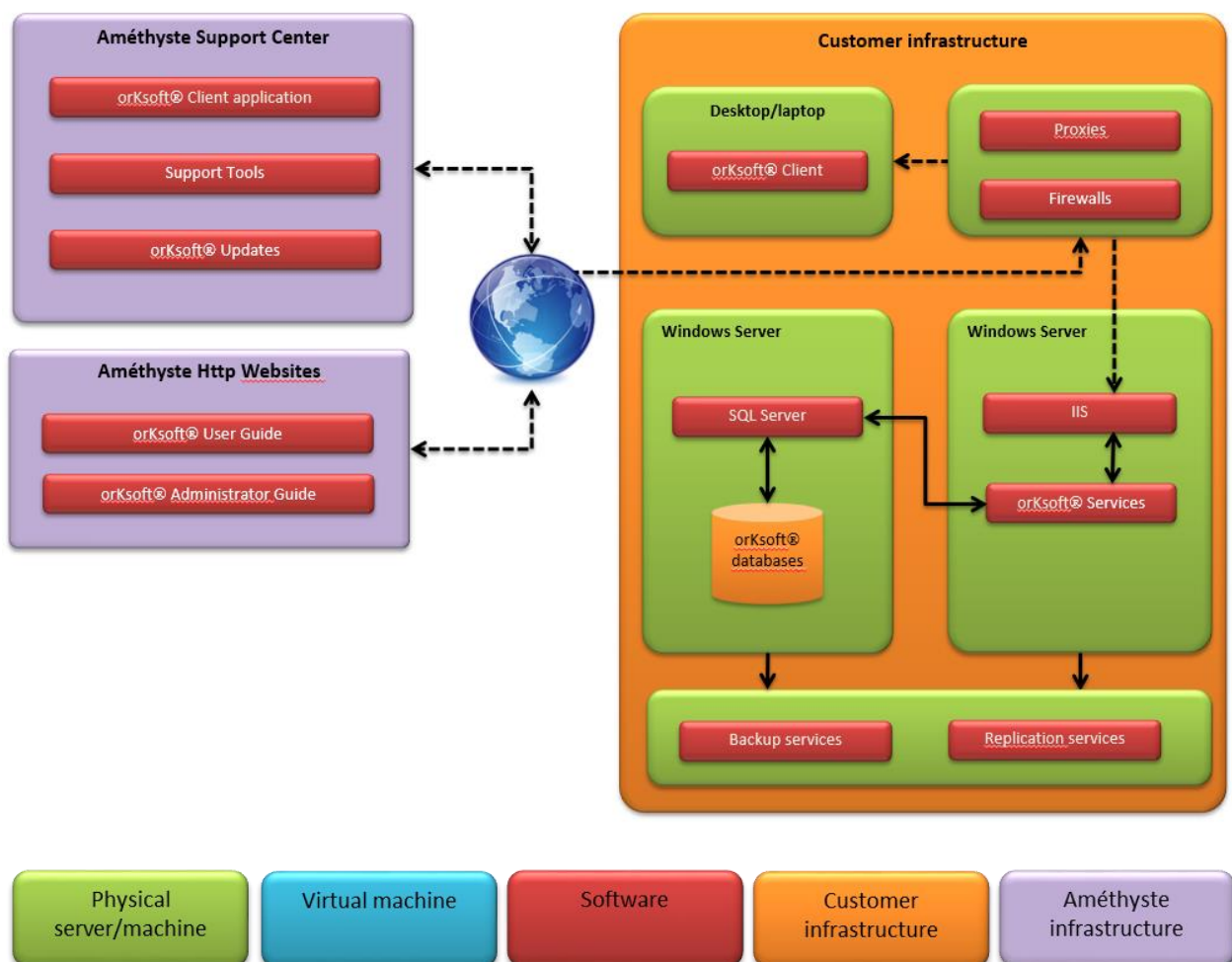
The deployment is done on client server and PCs.

The software licenses (Windows Server, SQLServer...) required for the server side are the responsibility of the customer's IT department.

The communication from the client network, thru proxies and firewalls, to the orKsoft® IIS Server has to be configured by the customer's IT department.

The customer has to put in place a maintenance/backup plan for orKsoft® application & databases, applying usual standards using production software & tools.

orKsoft® client and server software updates are part of the maintenance contract and are provided by orKsoft® Support Team, in order to keep the software up-to-date.



2.1 Client side requirements

2.1.1 Client machines should be mainstream configurations, at minimum :

- Microsoft Windows 10 x86/x64 Pro.
- Intel Core I5 processor or equivalent (Core I7 for 3D module).
- 8 Gb RAM or more.
- 10 Gb Hard Drive Space.
- DirectX video card for 3D module
- TCP/IP connectivity (100 Mbps network minimum).
- Minimum screen resolution 1024 X 780.

2.1.2 orKsoft® client application needs specific features in order to operate :

- Microsoft DotNet Framework latest version up to Windows Updates
- Microsoft Windows Communication Foundation features enabled
- HTTP connection to the orKsoft® services located on the orKsoft® server machine has to be allowed in Firewalls and intranet's proxy servers.
- HTTP connection to the orKsoft® User Guide <http://userguide.orksoft.com> located on the Améthyste's website has to be allowed in Firewalls and intranet's proxy servers.

2.2 Server side requirements

2.2.1 Dedicated server machine should be mainstream configuration, at minimum :

- Microsoft Windows Server 2012 x64 Standard Edition or later (recommended Windows Server 2016)
- Intel 4xCore processor or equivalent, minimum 1.6 Ghz (high IO)
- 32 Gb RAM
- TCP/IP connectivity (200 Mbps network minimum)

2.2.2 orKsoft® services need specific features in order to operate :

- Microsoft SQL Server 2016 SP2 x64 (Web Edition minimum) or later (recommended SQL Server 2017 Standard Edition)
- 100 Gb hard drive space for database storage
- 500 Gb hard drive space for daily database backup storage
- Microsoft IIS features enabled

3 Hosted deployment

In Hosted scheme only the orKsoft® Client software has to be deployed onto the customer's infrastructure.

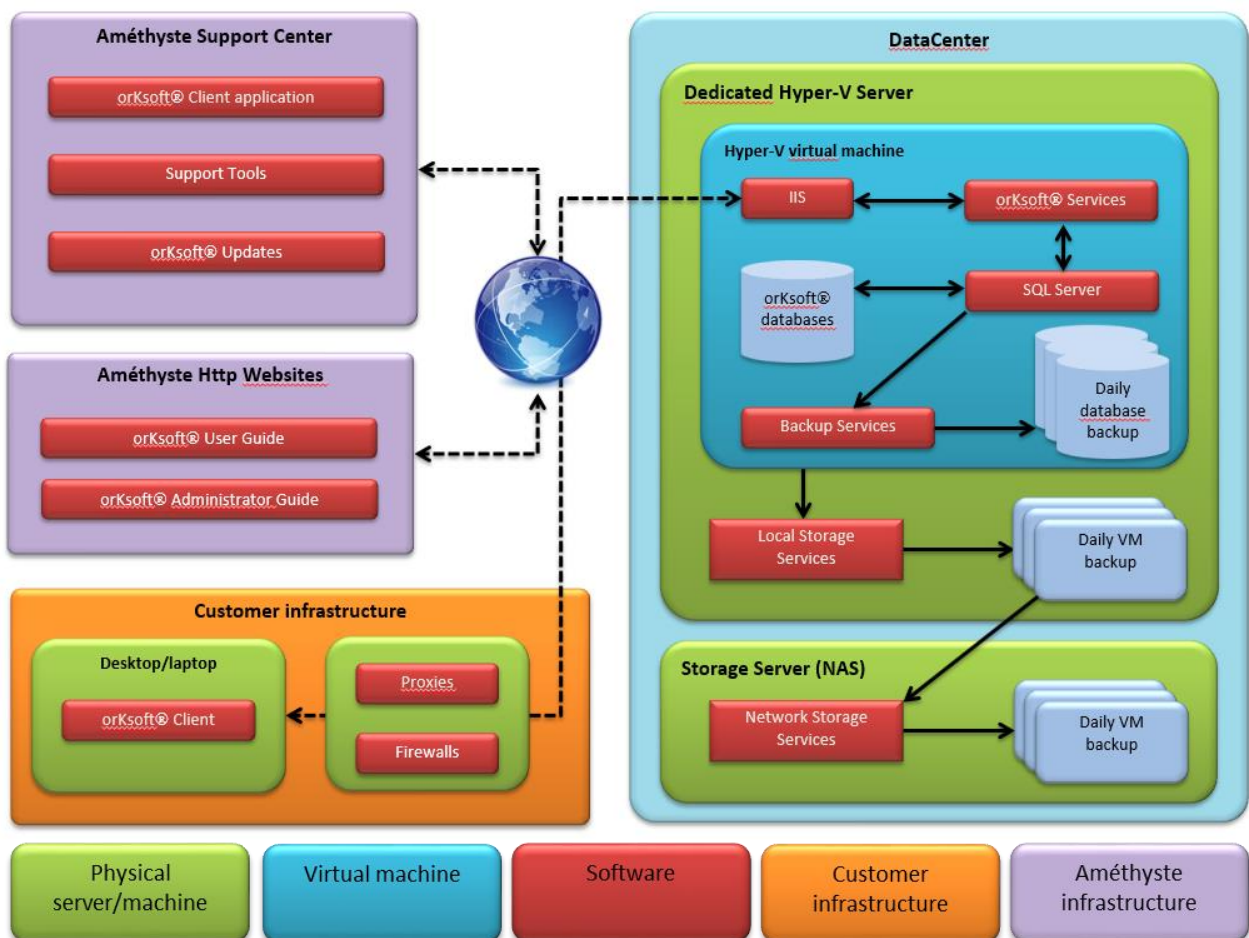
The installation is managed by orKsoft® Support Team in collaboration with the customer's IT department.

The software licenses (Windows Server, SQLServer...) required for the server side are provided by Améthyste.

The communication from the client network, thru proxies and firewalls, to the dedicated orKsoft® Server, hosted and deployed by orKsoft® Support Team, in our Datacenters (located in France, Canada or Singapur) has to be configured by the customer's IT department.

Améthyste operates a maintenance/backup plan for orKsoft® application & databases applying our standards using our production software & tools. On demand, Améthyste can provide a copy of Database's or Virtual Machine's daily backups.

orKsoft® client software updates are provided, in order to keep the software up-to-date.



3.1 Client side requirements

3.1.1 Client machines should be mainstream configurations, at minimum :

- Microsoft Windows 10 x86/x64 Pro.
- Intel Core I5 processor or equivalent (Core I7 for 3D module).
- 8 Gb RAM or more.
- 10 Gb Hard Drive Space.
- DirectX video card for 3D module
- TCP/IP connectivity (100 Mbps network minimum).
- Minimum screen resolution 1024 X 780.

3.1.2 orKsoft® client application needs specific features in order to operate :

- Microsoft DotNet Framework latest version up to Windows Updates
- Microsoft Windows Communication Foundation features enabled
- HTTP connection to the orKsoft® services located on the orKsoft® server machine has to be allowed in Firewalls and intranet's proxy servers.
- HTTP connection to the orKsoft® User Guide located on the Améthyste's website has to be allowed in Firewalls and intranet's proxy servers.

3.2 Server side requirements

3.2.1 Dedicated server machine configuration :

- Microsoft Windows Server 2012 x64 Standard Edition or later (recommended Windows Server 2016)
- Intel 4xCore processor or equivalent, minimum 1.6 Ghz (high IO)
- 32 Gb RAM
- 1000 Gb Hard Drive Space
- Intranet TCP/IP connectivity (200 Mbps network)
- 1000 Gb SAN drive space for Virtual Machine backup storage

3.2.2 orKsoft® services specific features :

- Microsoft SQL Server 2016 SP2 x64 (Web Edition minimum) or later (recommended SQL Server 2017 Standard Edition)
- 100 Gb hard drive space for database storage
- 500 Gb hard drive space for daily database backup storage
- Microsoft IIS features enabled

4 Windows Azure deployment

Windows Azure scheme is the Cloud deployment scheme based on state-of-the-art Microsoft Windows Azure infrastructure hosting. Different Datacenter or World Regions can be targeted.

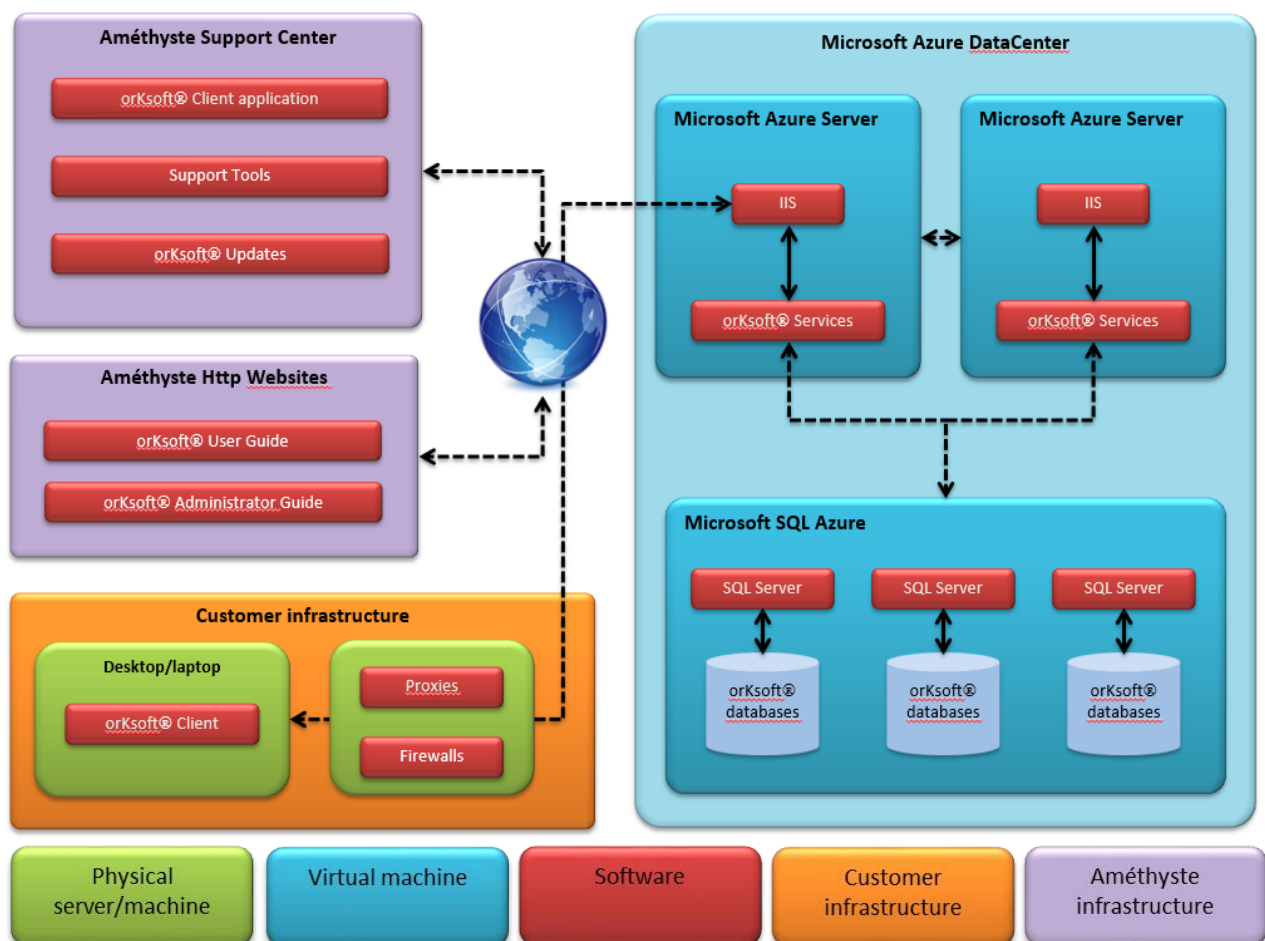
The installation is managed by orKsoft® Support Team in collaboration with the client IT department.

The software licenses (Windows Azure, SqlAzure ...) required for the server side are provided by Améthyste.

The communication from the client network, thru proxies and firewalls, to the dedicated orKsoft® Server, hosted and deployed by orKsoft® Support Team in Microsoft Azure Datacenter, has to be configured by the customer's IT department.

Améthyste operates a maintenance/backup plan for orKsoft® application & databases applying our standards using our production software & tools. On request, Améthyste can provide a copy of Database's daily backups.

orKsoft® client software updates are provided, in order to keep the software up-to-date.



4.1 Client side requirements

4.1.1 Client machines should be mainstream configurations, at minimum :

- Microsoft Windows 10 x86/x64 Pro.
- Intel Core I5 processor or equivalent (Core I7 for 3D module).
- 8 Gb RAM or more.
- 10 Gb Hard Drive Space.
- DirectX video card for 3D module
- TCP/IP connectivity (100 Mbps network minimum).
- Minimum screen resolution 1024 X 780.

4.1.2 orKsoft® client application needs specific features in order to operate :

- Microsoft DotNet Framework latest version up to Windows Updates
- Microsoft Windows Communication Foundation features enabled
- HTTP connection to the orKsoft® services located on the orKsoft® server machine has to be allowed in Firewalls and intranet's proxy servers.
- HTTP connection to the orKsoft® User Guide located on the Améthyste's website has to be allowed in Firewalls and intranet's proxy servers.

4.2 Server side requirements

4.2.1 Server machine configuration :

- Microsoft Windows Server 2012 x64 Standard Edition or later (recommended Windows Server 2016)
- Intel 4xCore processor or equivalent, minimum 1.6 Ghz (high IO)
- 32 Gb RAM
- 500 Gb Hard Drive Space
- Internet TCP/IP connectivity

➔ In order to guarantee a SLA of 99.95%, two redundant servers are allocated to the service.

4.2.2 orKsoft® services need specific features in order to operate :

- Microsoft SQL Azure Database
- 100 Gb hard drive space for database storage

➔ In order to guarantee a SLA of 99.9%, three redundant databases are allocated to the service.



5 Questions and Answers

5.1 Http Proxies

Q : We use an internal HTTP proxy to connect to the internet. Will orKsoft® Client application be able to go thru our proxies in order to connect to orKsoft® Services ?

A : yes, orKsoft® client application's installer allows you to specify both proxy server url and proxy script location.

5.2 SQL Server features

Q : Which SQL features does orKsoft® need to be installed ?

A : orKsoft® needs the Database Engine and the complete administration tools (SSMS) features to be installed.

5.3 Database connection

Q : How does orKsoft® connect to the orKsoft® database ?

A : SQL database is accessed from orKsoft® Services via a standard Sql ConnectionString, containing SqlServer IP/DSN name and orKsoft user/password.

5.4 SQL Collation

Q : Which SQL Server collation does orKsoft® database use/need ?

A : None. Default installation value is used.

Document end.