

Apparo Fast Edit

Data management without programming

System architecture for Qlik Sense

Apparo Fast Edit has following system architecture:

- **Apparo Gateway**

This is the entry point for Apparo system. It is a web server that is transporting the requests from the Qlik Sense extensions to the Apparo Application Server.

Typical ports:

- * Port 6900 as entry point for http requests
- * Port 6901 as entry point for https requests
- * Port 9800 as output point for application server 1.
- * Port 18000 for starting/stopping web server

The Apparo Gateway can be installed on the same host like Qlik Sense proxy or on a separated host.

- **Apparo Application Server(s)**

The application server is doing the work. There can be many parallel application servers for load balancing.

An Apparo Application Server can be installed on the same host like Qlik Sense or on a separated host.

- **Apparo Database Repository**

All definitions like Business Cases, database connections etc. are stored in a relational database like the internal database or IBM DB/2, MS SQL Server.

All Apparo Application Servers must be able to connect to this repository.

Apparo is supporting all possible Qlik Sense architectures including Qlik Sense on Kubernetes (AWS)

- **Single Instance**

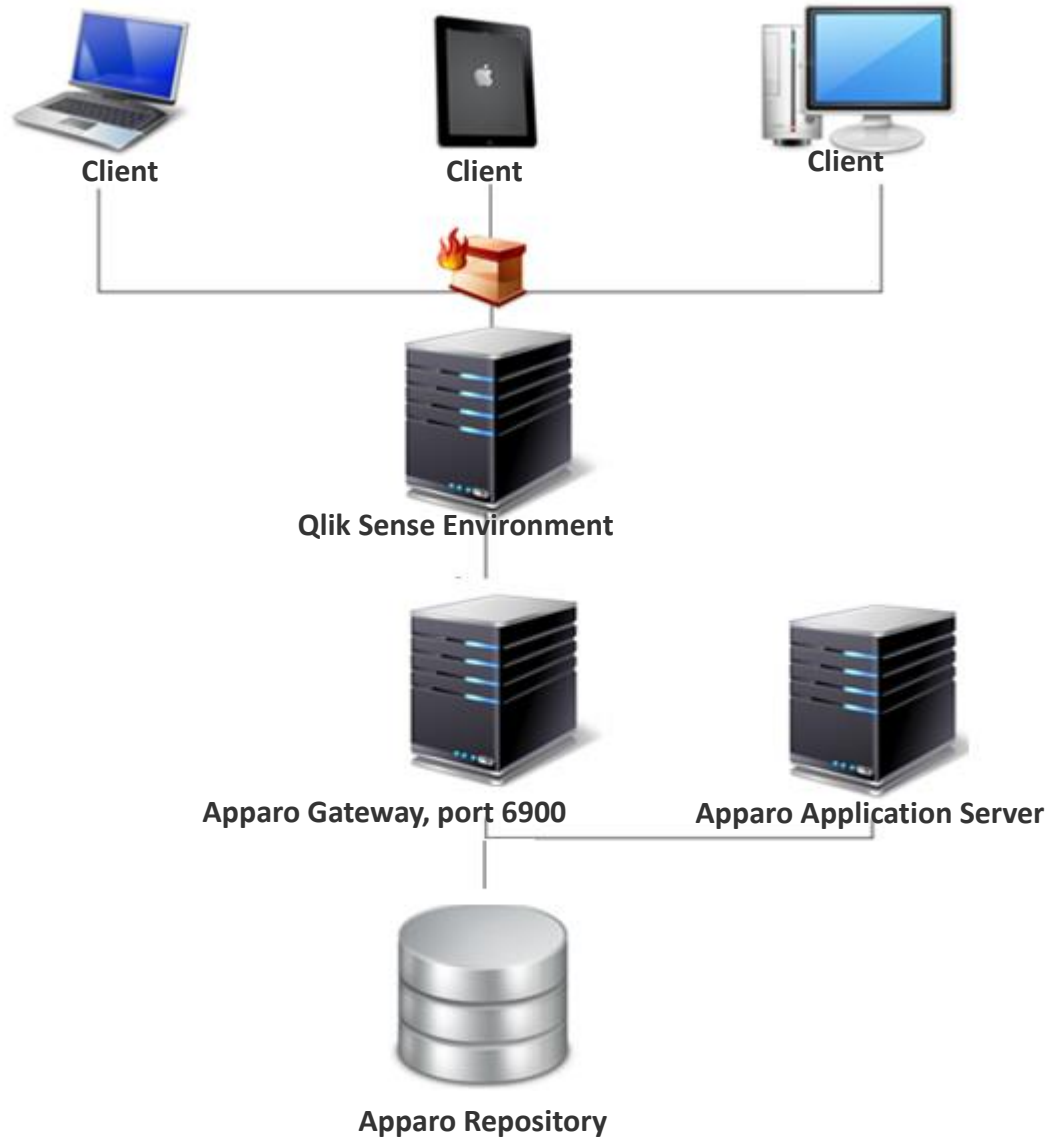
If you select „single instance“ architecture type while installation then the Apparo Gateway and an Apparo Application Server will be installed on the same host.

- **Multi Instance**

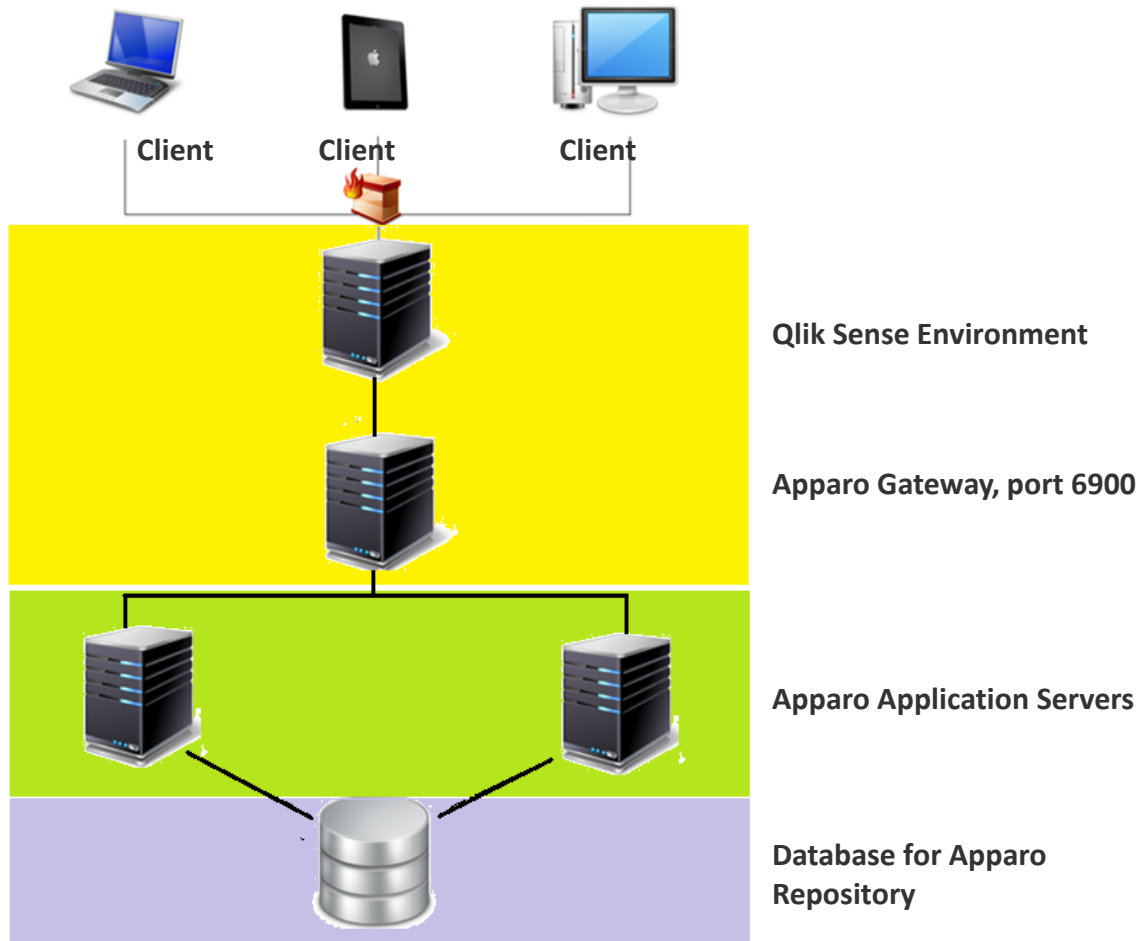
If you select „multi instance“ architecture type while installation then following choices are possible:

- * Apparo Gateway
- * Apparo Application Server

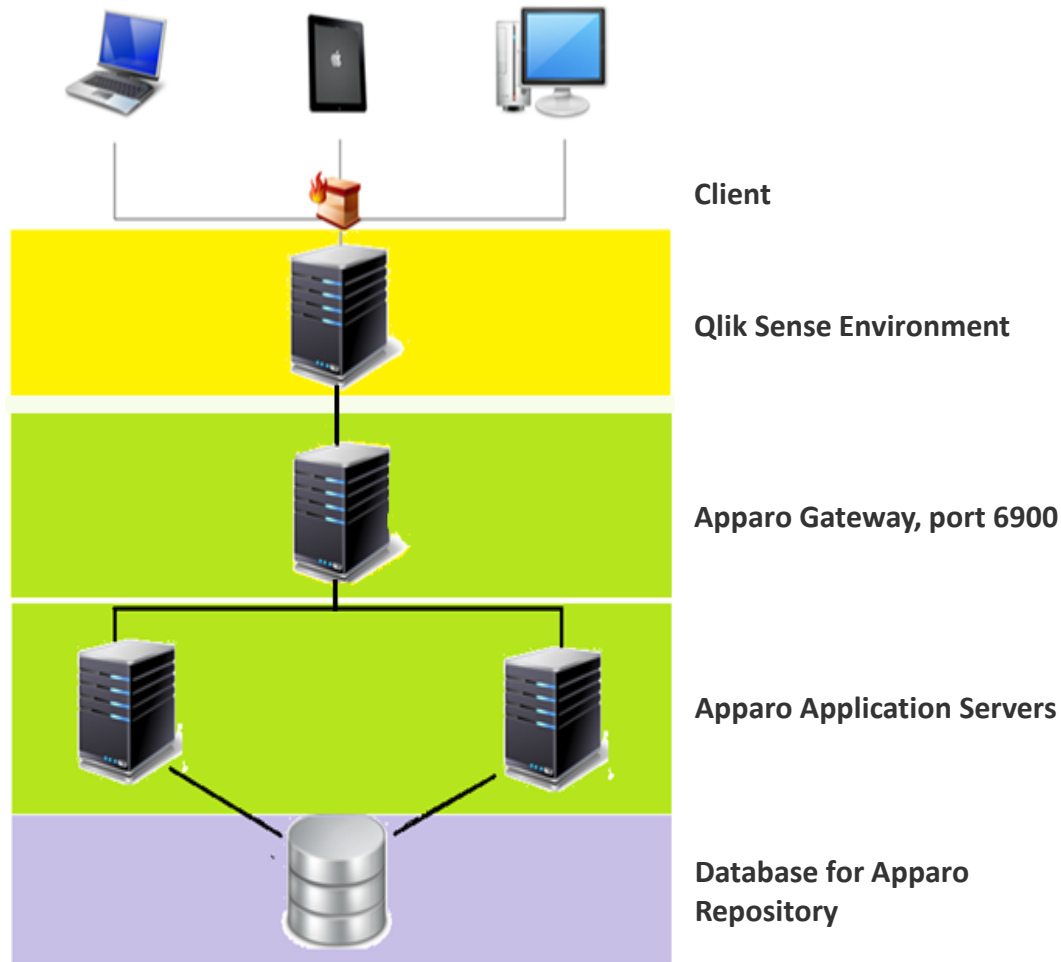
This is helpful if you want to install many Apparo Application Servers or separate the installation on different hosts.



Qlik Sense and Apparo are installed on same machine.



Qlik Sense and Apparo Gateway are installed on same machine.
Apparo application servers are installed on separate machine(s).



Qlik Sense and Apparo are installed on *different* machines.
Apparo application servers are installed on separate machine(s).

All definitions are stored in a **database repository** using direct connection (JDBC)

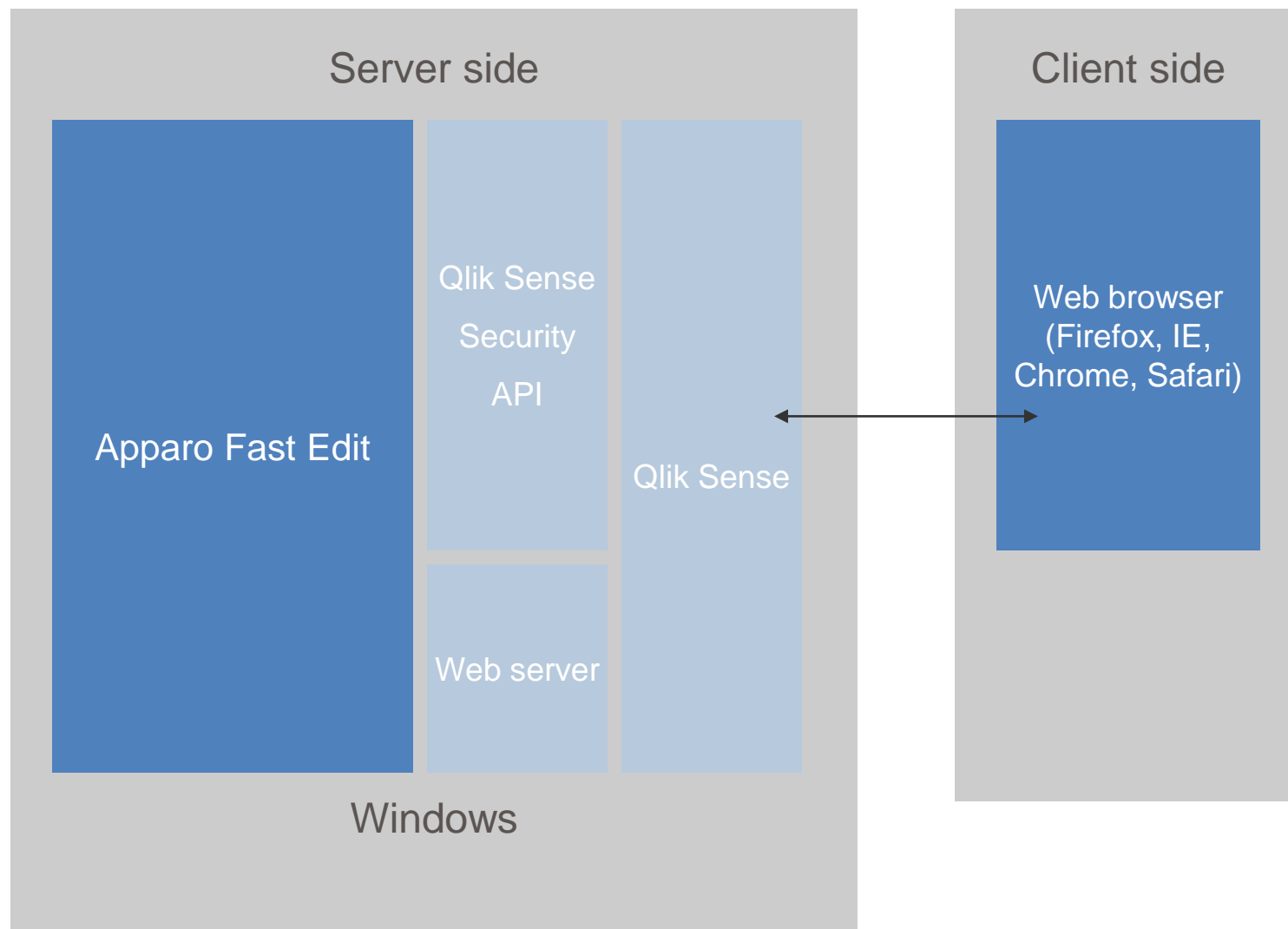
Supported databases:

- **Oracle 10g-19c**
- **Microsoft SQL Server 2005-2019**
- **IBM DB2 9.0-11.1**
- **Internal Java database (single architecture only)**

Apparo Fast Edit can work with the content of following databases using a JDBC connection:

- **Oracle 10g-12c (Client und JDBC), Oracle Exadata**
- **Microsoft SQL Server 2005-2017**
- **IBM DB2 9.0-11.1 LUW/i/z (Client und JDBC)**
- **IBM i Series / IBM Netezza / IBM dashDB**
- **Exasol**
- **Sybase ASE, IQ, SQL Anywhere**
- **Teradata**
- **Postgres, Informix, MySQL**

- **Windows 2008-2019**
- **Qlik Sense Server Enterprise**
- **New database login (user) for the Apparo Repository**
- **Qlik Sense on Kubernetes (AWS)**



Frameworks: Primefaces, Hibernate

Technology: Apache Tomcat, OpenJDK 8, JSF, JS, CSS, Ajax

- eMail Support
- Quality improvements
- Download Center in Internet





Live-System

<http://demo.apparo.services>

Live Qlik Demo on request