

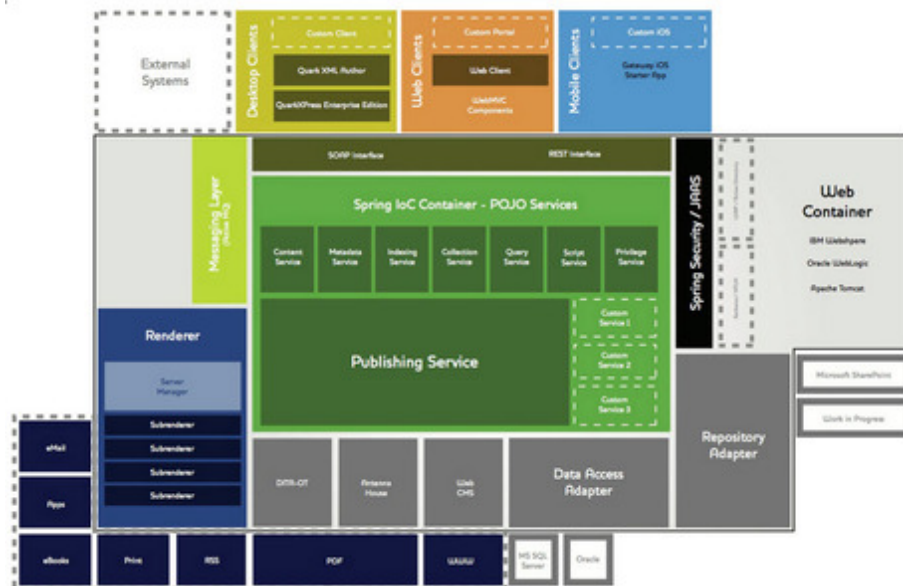
# Technical Overview

Quark Publishing Platform is built using state-of-the-art standard-based technologies.

## Service-oriented Architecture (SOA)

SOA-based systems such as Quark Publishing Platform are divided into independent components that communicate via clearly defined protocols. This independence makes it possible to connect/inter-operate with other business systems in large business ecosystems. This results in a more stable, scalable system that's easy to upgrade and simple to expand, which means you can add functionality as business needs arise, using internal development resources or a partner.

## Architecture



## Spring Framework Java™/J2EE™

This industry-standard, open-source application framework for the Java platform is used to blend components into a single coherent system. Components of Quark Publishing Platform can easily be changed without affecting the system as a whole.

## Java

Java, an object-oriented, high-level programming language, allows porting software to any computer. The Quark Publishing Platform Server is 100% pure Java, which allows it to be hardware- and operating system-independent. This gives you multiple options when selecting your hardware infrastructure.

## Web Services

Web services support machine-to-machine interactions over a network, such as the Internet, and execute on a remote system hosting the services. Web services are used to connect Quark Publishing Platform to other applications and systems. Quark Publishing Platform has an embedded Web Server — Apache Tomcat — that provides an environment for Java code to run in cooperation with a Web server. This provides numerous connectivity and integration points. In fact, Quark Publishing Platform can be deployed within other web containers like IBM WebSphere and Oracle WebLogic as well.

## Operating Systems

Quark has certified Quark Publishing Platform Server on Mac OS® X, Mac OS X Server, and Windows® Server Enterprise. Quark Publishing System Server is certified on VMWare® ESXi.

## **Relational Databases**

Quark Publishing Platform stores the attributes required for publishing in relational databases. Quark Publishing Platform is certified with Microsoft SQL Server Enterprise (including the latest SQL Server 2012), and Oracle® 11i.

## **System requirements**

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