System Requirements Server

Version 7.1

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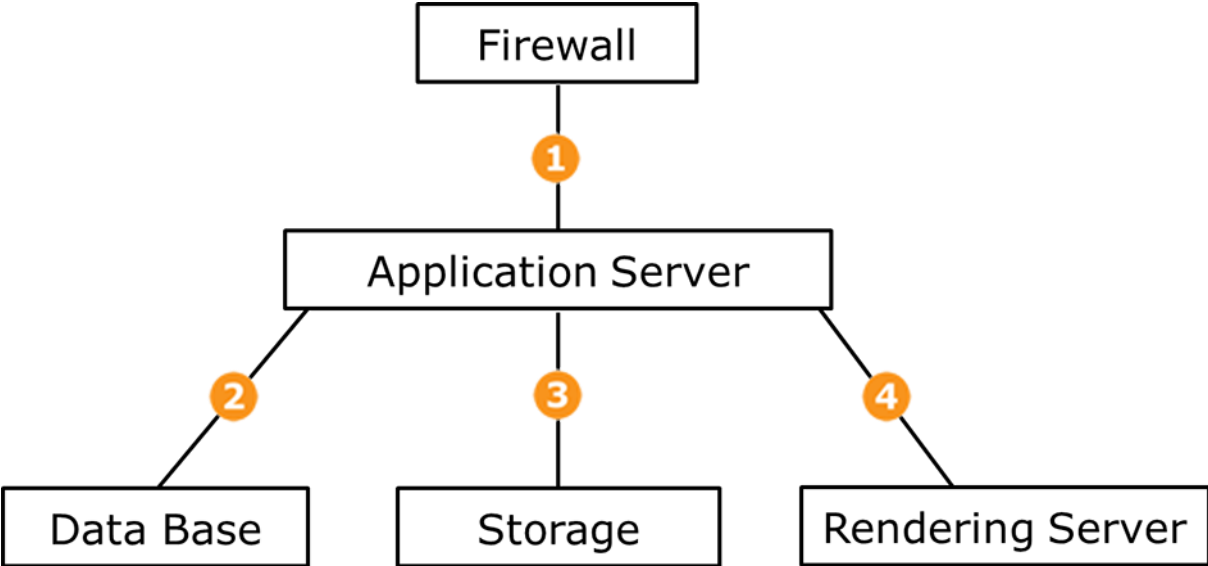
Presentation

Orange table rows show, which values have changed since the last version.

Table of Contents

1 Structure

2 Application server

The application server provides the BrandMaker functionality. Except of the BrandMaker application and the additional application components no other applications are allowed to be installed.

If your system does not fulfil the following requirements, you may experience functional limitations in the BrandMaker application.

Server	*.yourdomain.com (Only one URL is supported.)
Certificate	SSL Certificate to secure the communication (mandatory)
Standard Ports	Incoming: HTTPS-Port 443 | HTTP-Port 80 redirected to Port 443
	Outgoing: SMTP 25
	Outgoing: HTTP and HTTPS requests, direct or via transparent proxy server (no auth. proxy)
	Incoming internal: Application Server Debug-Port 64123
	Incoming internal: JMX
	Incoming internal: SNMP
	Incoming internal: ElasticSearch-Port 9200
	Incoming internal: CIFS Ports 137, 138, 139, 445
	Outgoing internal: MySQL 3306, MS SQL 1433
	Outgoing internal: BrandMaker Rendering-Port 5500+n (instances)
Supported operating mode	Virtual Machine or hardware-based Server
Supported operating systems	UBUNTU 16.04 LTS
Processor	CPU: 4 Cores, 2,5 GHz or higher
Main memory	at least 20 GB RAM
Memory requirement	at least 100 GB for applications and log files
Local data base	Additionally, at least 16 GB RAM
	Additionally, at least 100 GB HDD for database files
Network connectivity ❷, ❸, ❹	1 GBit/s (particularly towards database ❷ and storage ❸)
Internet connection ❶	at least 100 MBit/s

3 Rendering server

Rendering server is only required for Adobe InDesign and document conversion support - Single Instance License. Brand Template Builder and rendering performance depend on hardware performance of rendering server.

Supported operating mode	Hardware-based server
Supported operating systems	Windows Server 2016
Processor	CPU: 2 Cores, 2,5 GHz or higher
Memory requirement	at least 16 GB RAM; plus 2-8 GB per additional instance
HDD requirement	at least 100 GB for applications and log files
Standard ports	Outgoing internal: CIFS Ports 137, 138, 139, 445 Incoming internal: BrandMaker Rendering-Port 5500+n (instances)
Througput	ca. 100 rendering jobs/400 pages per hour
Network connectivity [4]	1 GBit/s
Adobe InDesign Server	CS 6, CC 2014 (10.x), CC 2015 (11.x), CC 2017, CC 2018, CC 2019, CC 2020, CC 2021
Adobe Flash Player	Not supported
Microsoft Office	Microsoft Office 2013 (Word, Excel, PowerPoint) installed and licensed
Internet connection	Internet connection and registration are required for software activation, membership validation, and access to online services.

4   Dedicated database server

Supported operating mode	Hardware-based server
Database	MySQL 5.7 Server Enterprise
Processor	CPU: 4 Cores, 2,5 GHz or higher
Memory requirement	at least 16 GB RAM
HDD requirement	at least 100 GB for database files
Network connectivity ❷	1 GBit/s
Standard ports	Incoming internal: MySQL 3306
MySQL – JDBC – Driver	Version 8.0.21

5   Media Asset File Share

Storage requirement	at least 250 GB
Network connectivity ❸	1 GBit/s respectively at least 80 MB/s transfer speed
Network connection mode	SMB (/CIFS) 3.0 or local files system
Files/Folder	Support of at least 1 billion files/folder (like NTFS: $2^{32} - 1$)

Please calculate the storage capacity generously, because the system stores preview data and cache files in addition to the media data. Please consider: previews of files require additional storage (image files +30 % and Office documents up to +150 %).

6   SMTP-Server

The BrandMaker server needs access to a SMTP server. The e-mail distribution with specified e-mail sender address must be enabled.

7 Additional Application Components

The BrandMaker Marketing Efficiency Cloud has been developed and tested with below listed components and versions. No other versions or combinations are supported.

Operating system	UBUNTU 16.04 LTS
Web Server	Apache 2.4.18
Application Server	WildFly 10.1.0
JDK	Java 8 (OpenJDK Runtime Environment 1.8.0xx)
Document Converter	Neevia Document Converter Pro 6.8
Video Transcoding	FFmpeg 2.8.x
Image Processing	ImageMagick 6.8.9
PostScript Interpreter	GhostScript 9.06
PDF-to-X	poppler-utils 0.41.0 (pdftocairo)
Content Management System	Magnolia EE 6.2.2
Metadata Processing	ExifTool 10.10
Adobe InDesign Server	CS 6, CC 2014 (10.x), CC 2015 (11.x), CC 2017, CC 2018, CC 2019, CC 2020, CC 2021
Reporting	Jaspersoft Enterprise Server 7.1.0
Reporting	Tableau Server, Version 2020.4.0 Linux Note: on-premises, please contact BrandMaker
Web Page Preview Service	wkhtmltopdf 0.12.2.1
Web Processing	PhantomJS 2.1.1 Puppeteer 4.0.0
Search Engine	Elastic Search 1.7.3
Language Center	Across 6.4
Web Text Editor	CKEditor 4.7.2 (embedded)
Docker Runtime	18.x. For running containers
Workflow Engine Container	Camunda 7.10
Media System Container	FileProcessor