Kofax MarkView

Technical Specifications

Version: 10.1.0

Date: 2021-06-08

KOFAX

Document revision history

Date	Revision	Description
August 2019	1.0	Initial version
June 2021	1.1	Updated version
February 2023	1.2	Removed Kofax MarkView Fax Server from the list of compatible third-party technologies, as it is no longer supported.
	1.3	Removed Kofax SupplierExpress from the list of compatible Kofax software, as it is no longer supported.

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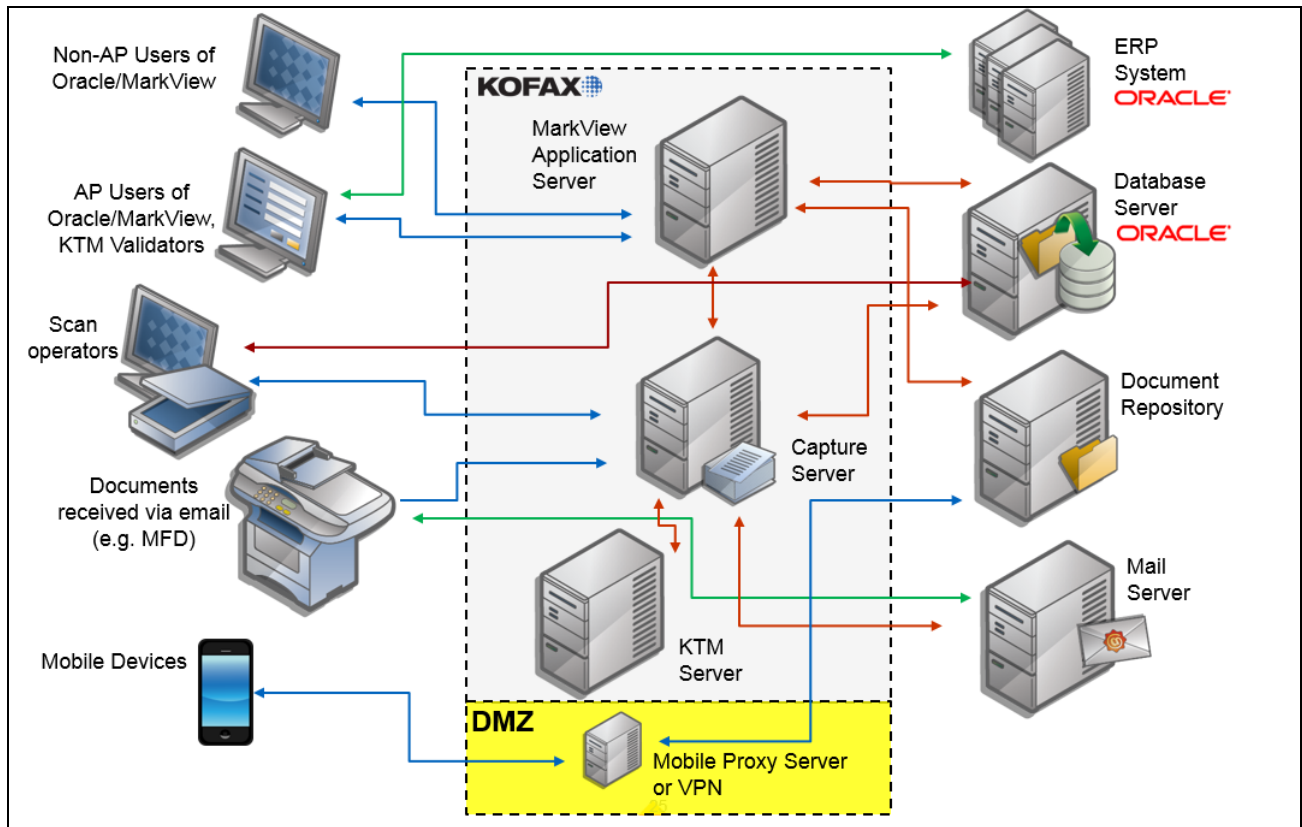
About MarkView technical specifications

MarkView is a transactional workflow process automation product that is designed to work with Oracle EBS.   The technical specifications in this document are specific to MarkView, version 10.1.

A required amount of memory and disk space is provided. You must meet these requirements to support your MarkView system. These requirements specifically list the needs of MarkView and do not include any amount of memory or disk space you require for the operating system, environment, or other software that runs on the same machine.

System architecture

Product requirements

We do not support the use of our product in conjunction with versions of software other than those listed here and do not support versions of 3rd party software that are no longer supported themselves by the 3rd party.

Specification	Description

Hardware	APPLICATION SERVER(S):
	
	 • MARKVIEW APPLICATION SERVER – STANDALONE SERVER RUNNING MARKVIEW APPLICATION AS A J2EE APPLICATION.
	
	    ○ MINIMUM RECOMMENDATIONS:
	
	      § CPU – MULTI-CORE, 8 CORES -2.4GHZ
	
	      § MEMORY & CPU – DEPENDENT ON THE NUMBER OF CONCURRENT SESSIONS TO BE SUPPORTED. FOR SYSTEMS WITH 25,000 OR FEWER INVOICES PER MONTH, 8 CPU CORES AND 32GB RAM IS RECOMMENDED.
	
	      § USE APPLICATION SERVER NATIVE SUPPORT FOR MULTIPLE SERVER INSTANCES AS WELL AS CLUSTERING TO ACHIEVE MAXIMUM EFFICIENCY.
	
	 • CAPTURE & OUTPUT SERVERS – THESE SERVERS SHOULD BE STANDALONE (IT IS NOT RECOMMENDED THAT THEY BE CO-LOCATED ON THE SAME SERVER AS THE MARKVIEW APPLICATION SERVER). KOFAX CAPTURE SERVERS AND KOFAX IMPORT CONNECTOR CAN USE THIS SERVER AS A COMMON POINT OF IMAGE CAPTURE.
	
	    ○ KOFAX CAPTURE SERVERS (OPTIONAL):
	
	      § KIC MESSAGE CONNECTOR
	
	      § KOFAX CAPTURE NETWORK SERVER
	
	      § KOFAX CAPTURE SERVER
	
	      § KOFAX IMPORT CONNECTOR (KIC) PLUGIN
	
	      § KOFAX TRANSFORMATION MODULES (KTM)
	
	      § KOFAX VIRTUAL RESCAN (VRS)
	
	    ○ MARKVIEW SERVER/COMPONENTS:
	
	      § MARKVIEW BAR CODE SERVER
	
	      § MARKVIEW DATA EXPORT SERVER
	
	      § MARKVIEW EXPORT CONNECTOR

§ MARKVIEW IMPORT SERVER

§ MARKVIEW PROCESS MAIL GATEWAY

o MINIMUM RECOMMENDATIONS – ALL OTHER SERVERS:

§ CPU – MULTI-CORE, 2 CORES - 2.4GHZ

§ MEMORY – 8 TO 16 GB RAM

§ DISK SPACE – 40GB

§ ALLOCATE AN ADDITIONAL 4GB OF RAM FOR THE KOFAX IMPORT CONNECTOR

- ORACLE EBS FORMS SERVER – THIS SHOULD ALREADY EXIST IN THE ORACLE EBS ENVIRONMENT. WILL BE USED TO STORE MARKVIEW CUSTOM LIBRARIES AND FORMS.

- DOCUMENT SERVER – THIS IS THE FILE STORAGE SYSTEM WHERE MARKVIEW STORES IMAGE FILES. THIS CAN BE MARKVIEW OR ONE OF THE SUPPORTED THIRD PARTY ECM SOLUTIONS.

  o DISK SPACE REQUIREMENTS – MARKVIEW USES THE CCITT GROUP VI TIFF FORMAT AT 300DPI TO STORE IMAGES. THE AVERAGE IMAGE SIZE IS 8.5X11" AND REQUIRES 50KB FOR STORAGE. TO CALCULATE ANNUAL STORAGE REQUIREMENTS MULTIPLY 50KB BY THE TOTAL NUMBER OF PAGES TO BE PROCESSED ANNUALLY.

DATABASE REQUIREMENTS (DOCUMENT IMAGES ARE NOT STORED IN THE DATABASE):

- MARKVIEW SCHEMA – WILL BE INSTALLED IN THE ORACLE FINANCIALS DATABASE.

- KOFAX CAPTURE SCHEMA – CAN BE INSTALLED IN THE ORACLE FINANCIALS DATABASE OR ON ANY SUPPORTED DATABASE SERVER AND DOES NOT NEED TO BE COLLOCATED WITH ORACLE EBS.

- MINIMUM RECOMMENDATIONS:

  o DATABASE BLOCK SIZE – MUST BE AT LEAST 8K. SMALLER VALUES MAY DECREASE PERFORMANCE.

  o DISK SPACE – BASED ON THE NUMBER OF INVOICE PAGES STORED ANNUALLY:

    § > 1,000,000 INVOICES PER YEAR – 35 GB

    § 500,000 INVOICES PER YEAR – 17 GB

    § =< 100,000 INVOICES PER YEAR – 4 GB

    § RATIO OF TABLE DATA TO INDEX DATA IS APPROXIMATELY 45-55%; E.G., A DATABASE

	CONSUMING 10GB WILL HAVE 5.5GB TABLE DATA AND 4.5GB INDEX DATA.
	
	DESKTOP/WORKSTATIONS:
	
	• KOFAX CAPTURE SCAN STATIONS – SCANNERS COMPATIBLE WITH KOFAX CAPTURE WILL BE INSTALLED ON DESIGNATED USER DESKTOP SYSTEMS.
	
	• KOFAX KTM VALIDATION STATIONS – EACH USER THAT WILL PARTICIPATE IN THE EXTRACTED DATA VALIDATION/VERIFICATION PROCESS WILL NEED ACCESS TO MARKVIEW.
	
	• MINIMUM RECOMMENDATIONS:
	
	    ○ CPU – MULTICORE CPU, 2 CORES
	    ○ MEMORY –4GB
	    ○ DISK SPACE – 100MB
	    ○ MONITOR – DUAL MONITORS (20" OR LARGER)
	
	TERMINAL/VIRTUAL SERVER ENVIRONMENT SUPPORT
	
	• TERMINAL SERVERS ARE SUPPORTED – E.G., CITRIX XENAPP SERVER. THE TERMINAL SERVER MUST MEET THE MINIMUM HARDWARE REQUIREMENTS SET BY THE APPLICATION PROVIDER (E.G., CITRIX).
	
	    ○ CITRIX XENAPP VERSIONS SUPPORTED:
	        § XENAPP SERVER 7
	        § XENAPP SERVER 6
	    ○ NOTE: ADD AN ADDITIONAL 256MG OF RAM (MINIMUM) FOR EACH CONCURRENT VIEWER SESSION TO BE SUPPORTED. CONSULT THE TERMINAL SERVER PLANNING DOCUMENTATION FOR ADDITIONAL GUIDELINES.
	
	• VIRTUAL SERVERS – ALL VIRTUALIZED ENVIRONMENTS ARE SUPPORTED AS LONG AS THE UNDERLYING PLATFORM ADHERES TO THE SPECIFICATIONS OUTLINED IN THIS TECH SPEC DOCUMENT. THIS EXCLUDES THE USE OF THE SPARSE ROOT CONFIGURATION OF SOLARIS ZONES, WHICH IS NOT SUPPORTED.
	
	HIGH AVAILABILITY OPTIONS SUPPORTED:
	
	• ORACLE REAL APPLICATION CLUSTERS
	
	MOBILE DEVICES SUPPORTED (FOR MOBILE MARKVIEW)
	
	• APPLE
	    ○ APPLE DEVICES USING SAFARI BROWSER AND IOS 10.X

	OR HIGHER • ANDROID ○ ANDROID DEVICES USING STANDARD ANDROID BROWSER AND ANDROID OS 6.0.X OR HIGHER SECURITY AND PROTOCOLS • HTTP • HTTPS

Accessibility	BANDWIDTH RECOMMENDATION(S):
	
	• STANDARD BUSINESS NETWORK CONNECTIVITY IS ACCEPTABLE
	
	USER AUTHENTICATION METHODS SUPPORTED:
	
	• LDAP
	
	• ACTIVE DIRECTORY (AD)
	
	    ○ MICROSOFT ACTIVE DIRECTORY 2008 STANDARD & R2
	
	• ORACLE INTERNET DIRECTORY (OID)
	
	• MARKVIEW BUILT-IN
	
	• MARKVIEW CUSTOM
	
	• ORACLE EBS
	
	• SINGLE SIGN ON (SSO)
	
	    ○ HTTP HEADER OR COOKIES
	
	    ○ SAML 2.0

Browser	HIGHLY RECOMMENDED THAT THE LATEST VERSIONS OR UPDATES OF THE FOLLOWING BROWSERS ARE USED: INTERNET EXPLORER 11 • COMPATIBILITY VIEW IS NOT SUPPORTED EDGE (CHROMIUM) EDGEHTML CHROME FIREFOX SAFARI • APPLE OS AND APPLE DEVICES ONLY • VERSION 9+ SUPPORTED
Mobile Operating Systems	APPLE OS

	• IOS 10.X OR HIGHER ANDROID OS • ANDROID OS 6.0.X OR HIGHER
Client Operating Systems	MICROSOFT WINDOWS • WINDOWS 10 64-BIT • WINDOWS 8 AND 8.1 PRO/ENTERPRISE (32 OR 64-BIT) DESKTOP MODE • WINDOWS 7 ENTERPRISE/PROFESSIONAL/ULTIMATE/SP1 (32 OR 64-BIT) APPLE • MAC OSX 10.X (X>=6)

Server Operating Systems	CAPTURE & OUTPUT SERVERS
	 • REQUIRES ORACLE JDK 1.8.0_131+ 64 BIT. NOTE: THIS IS ONLY REQUIRED FOR INSTALLATION
	 • MICROSOFT WINDOWS SERVER
	   ○ 2019 STANDARD & DATACENTER
	   ○ 2016 STANDARD & DATACENTER
	   ○ 2012 R2 FOUNDATION – ESSENTIALS, STANDARD, DATACENTER
	
	MARKVIEW FOR ORACLE EBS
	 • WE SUPPORT ALL SUPPORTED ORACLE OPERATING SYSTEMS
	 • REQUIRES ORACLE JDK 1.8.0_131+ 64 BIT
	DATABASE SERVER(S)
	 • ALL OPERATING SYSTEMS SUPPORTED BY DATABASE VENDOR ARE SUPPORTED UNLESS OTHERWISE NOTED

Web Servers/Web Application Servers	JBOSS EAP / WILDFLY • JBOSS EAP VERSION 7.2 • WILDFLY VERSION 16.0 • BOTH STANDALONE AND DOMAIN MODES ARE SUPPORTED • SUPPORTED JAVA OPTIONS: ○ WILDFLY 16.0 REQUIRES ORACLE JDK 1.8.0_131+ 64 BIT

- SUPPORTED PLATFORMS
  - REDHAT LINUX (64 BIT)
    - § 7.X (X>=0) ES AND AS
    - § 6.X (X>=0) ES AND AS
  - SUSE LINUX 11
  - SOLARIS 11 (64 BIT)
  - WINDOWS SERVERS (64BIT)
    - § 2019 STANDARD & DATACENTER
    - § 2016 STANDARD & DATACENTER
    - § 2012 R2 FOUNDATION– ESSENTIALS, STANDARD, DATACENTER

WEBLOGIC SERVER

- VERSION 12.2.X (X>=1)
- VERSION 12.1.X (X>=3)
- REQUIRES ORACLE JDK 1.8.0_131+ 64 BIT (UNLESS OTHERWISE NOTED)
- IF USING ORACLE JDBC DRIVERS VERSION 11.2, USE A MINIMUM OF 11.2.0.3
- IF USING ORACLE JDBC DRIVERS VERSION 12.1, YOU NEED TO APPLY ORACLE PATCHES 21043834, 20692348 AND 19028811
- SUPPORTED PLATFORMS
  - REDHAT LINUX
    - § 7.X (X>=0) ES AND AS (64 BIT)
    - § 6.X (X>=0) ES AND AS (64 BIT)
  - ORACLE LINUX
    - § 7.X (X>=3) EA AND AS (64 BIT)
    - § 6.X (X>=0) ES AND AS (64 BIT)
  - SUSE LINUX 11
  - SOLARIS 11 (64 BIT)
  - HPUX 11V3 (64 BIT) ON HP JDK 8.0.09+ 64 BIT (WEBLOGIC 12.2 ONLY)
  - IBM AIX 7.1 (64 BIT) ON IBM JDK 1.8.0 SR6 FP7+ 64 BIT. NOTE: PLEASE CONTACT MARKVIEW'S TECHNICAL SUPPORT TEAM FOR SPECIAL INSTRUCTIONS ON

	INSTALLATION OF MARKVIEW ON AIX 7.1.
	
	    ○ WINDOWS SERVERS (64BIT)
	        § 2019 STANDARD & DATACENTER
	        § 2016 STANDARD & DATACENTER
	        § 2012 R2 FOUNDATION– ESSENTIALS, STANDARD, DATACENTER

DBMS	ORACLE DBMS
	
	    • ORACLE 19.3 (REQUIRES MARKVIEW 10.1.0.2 OR HIGHER)
	    • ORACLE 12.1.0.X (X>=1), INCLUDING XML DB AND JSERVER
	    • ORACLE 11.2.0.X (X>=1), INCLUDING XML DB AND JSERVER
	    • ORACLE 11.1.0.X (X>=7), INCLUDING XML DB AND JSERVER
	
	*SEE THE PLANNING GUIDE FOR DATABASE CONFIGURATION REQ'S
	
	*INCLUDES ABILITY TO CONFIGURE DB FOR RAC OR SCAN
	
	* ALL OPERATING SYSTEMS SUPPORTED BY THE DB VENDOR ARE SUPPORTED UNLESS OTHERWISE NOTED.

Required 3rd Party Technologies	PDF VIEWER
	
	    • REQUIRED FOR DIRECT PRINTING FROM MARKVIEW VIEWER
	
	MARKVIEW FOR ORACLE EBS
	
	    • REQUIRES ORACLE JDK 1.8.0_131+ 64 BIT NOTE: THIS IS ONLY REQUIRED FOR INSTALLATION
	    • ORACLE E-BUSINESS SUITE
	        ○ 12.2.X (X>=2)
	            § ORACLE PATCHES 20725445:R12.AP AND 21696441:R12.ZX.C NEED TO BE APPLIED FOR PROPER TAX PROCESSING
	            § ORACLE PATCHES 10050696 AND 11824686 NEED TO BE APPLIED FOR PROPER PERIOD END PROCESSING.
	        ○ 12.1.X (X>=1)
	            § R12.AP.X.Y (X>=A Y>=1)
	            § R12.SHT.X.Y (X>=A Y>=1)
	            § R12.OIE.Y (Y>=A) – FOR EXPENSES INTEGRATION
	
	ORACLE DATA ACCESS COMPONENTS (ODAC) – FOR CAPTURE &

	OUTPUT
	
	    NOTE: MULTIPLE VERSIONS OF ODAC CAN BE INSTALLED ON SAME MACHINE
	
	  • 11.2 32 BIT
	
	  • 12.1 32 BIT
	
	  • 12.2 32 BIT
	
	  • 19.3 32 BIT
	
	    ○ REQUIRES ORACLE DATABASE 19C CLIENT (19.3) FOR MICROSOFT WINDOWS (32-BIT)
	
	ORACLE DATA ACCESS COMPONENTS (ODAC) – FOR KTM 6.2 OR HIGHER
	
	  • IF KTM 6.2 OR HIGHER IS USED ON A 64BIT OS THEN A 64BIT ODAC IS REQUIRED.

Compatible 3rd Party Technologies	CONTENT REPOSITORIES SUPPORTED:
	
	  • EMC DOCUMENTUM
	
	    ○ 6.5
	
	  • IBM DB2 CONTENT MANAGER ENTERPRISE
	
	    ○ 8.4.X
	
	    ○ 8.3
	
	  • FILENET CONTENT MANAGER
	
	    ○ 5.2
	
	    ○ 5.1
	
	    ○ 5.0
	
	    ○ 4.5
	
	  • ORACLE WEBCENTER CONTENT
	
	    ○ 11G

Compatible Kofax Software	MARKVIEW 10.1 SUPPORTS THE FOLLOWING PRODUCT VERSIONS:
	
	KOFAX IP AGILITY
	
	  • 1.1.0.X (X>=0)
	
	KOFAX CAPTURE (KC)
	
	  • 11.0.X (X>=0)
	
	KOFAX TRANSFORMATION MODULE (KTM)

	• 6.2.x (x>=1) • 6.3.x (x>=0) KOFAX FRONT OFFICE SERVER • 4.1.x (x>=1) KOFAX ANALYTICS FOR MARKVIEW • 1.1.1.x (x>=1) • 1.1.2.x (x>=0) KOFAX IMPORT CONNECTOR (KIC) • 2.7.x (x>=0) • 2.8.x (x>=0) • 2.10.x (x>=0) KOFAX MOBILE CAPTURE • 3.3.x (x>=0) KOFAX VIRTUAL RESCAN (VRS)
Languages supported	TRANSLATIONS ARE CURRENTLY AVAILABLE FOR USER INTERFACES AND ONLINE HELP, BUT NOT FOR ADMINISTRATIVE INTERFACES OR USER DOCUMENTATION. ENGLISH FRENCH (FRANCE) GERMAN ITALIAN BRAZILIAN PORTUGUESE SIMPLIFIED CHINESE JAPANESE CASTILIAN SPANISH POLISH