



# Kofax MarkView Technical Specifications

Version: 10.5.0

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**KOFAX**

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# Document revision history

<b>Date</b>	<b>Revision</b>	<b>Description</b>
11/30/2023	1.0	Initial version.

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## Chapter 1

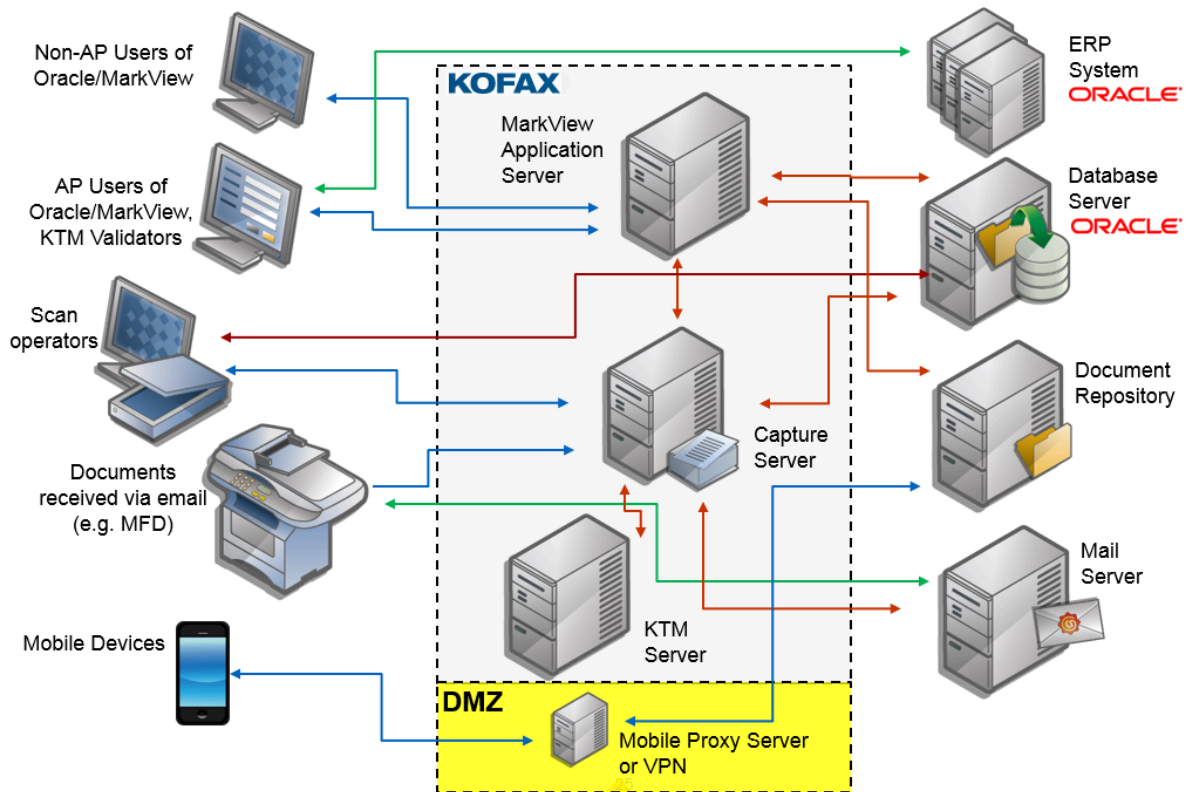
# About MarkView technical specifications

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 10.5.0.

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.

## Chapter 2

# System architecture




## Chapter 3

# 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 third-party software that are no longer supported themselves by the third party.


Specification	Description
Hardware	<p><b>Application server(s):</b></p> <ul style="list-style-type: none"><li>• MarkView Application Server - standalone server running MarkView application as a J2EE application. Minimum recommendations:<ul style="list-style-type: none"><li>• CPU – Multi-Core, 8 Cores – 2.4 GHz.</li><li>• Memory &amp; CPU – dependent on the number of concurrent sessions to be supported. For systems with 25000 or fewer invoices per month, 8 CPU cores and 32 GB RAM is recommended.</li><li>• Use application server native support for multiple server instances as well as clustering to achieve maximum efficiency.</li></ul></li><li>• Capture &amp; 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.<ul style="list-style-type: none"><li>• Kofax Capture Servers (optional):<ul style="list-style-type: none"><li>• KIC Message Connector</li><li>• Kofax Capture Network Server</li><li>• Kofax Capture Server</li><li>• Kofax Import Connector (KIC) Plugin</li><li>• Kofax Transformation Modules (KTM)</li><li>• Kofax Virtual ReScan (VRS)</li></ul></li><li>• MarkView Server/Components:<ul style="list-style-type: none"><li>• MarkView Bar Code Server</li><li>• MarkView Data Export Server</li><li>• MarkView Export Connector</li><li>• MarkView Import Server</li><li>• MarkView Process Mail Gateway</li></ul></li><li>• Oracle EBS Forms Server – this should already exist in the Oracle EBS environment. Will be used to store MarkView custom libraries and forms.</li><li>• 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.<ul style="list-style-type: none"><li>• Disc space requirements – MarkView uses the CCITT Group VI TIFF format at 300 DPI to store images. The average image size is 8.5x11" and requires 50</li></ul></li></ul></li></ul>



Specification	Description
	<p>KB for storage. To calculate annual storage requirements, multiply 50 KB by the total number of pages to be processed annually.</p> <p><b>Database requirements (Document images are not stored in the database):</b></p> <ul style="list-style-type: none"> <li>• MarkView schema – will be installed in the Oracle Financials Database.</li> <li>• Kofax Capture schema – can be installed in the Oracle Financials Database or on any supported database server and <b>does not</b> need to be collocated with Oracle EBS.</li> <li>• Minimum Recommendations:             <ul style="list-style-type: none"> <li>• Database Block Size – must be at least 8K. Smaller values may decrease performance.</li> <li>• Disc Space – based on the number of invoice pages stored annually:                 <ul style="list-style-type: none"> <li>• &gt;1,000,000 invoices per year – 35 GB</li> <li>• 500,000 invoices per year – 17 GB</li> <li>• =&lt; 100,000 invoices per year – 4 GB</li> </ul> </li> <li>• Ratio of table data to index data is approximately 45–55%; for example, a database consuming 10 GB will have 5.5 GB table data and 4.5 GB index data.</li> </ul> </li> </ul> <p><b>Desktop/Workstations:</b></p> <ul style="list-style-type: none"> <li>• Kofax Capture Scan Stations – scanners compatible with Kofax Capture will be installed on designated user desktop systems.</li> <li>• Kofax KTM Validation Stations – Each user that will participate in the extracted data validation/verification process will need access to MarkView.</li> <li>• Minimum Recommendations:             <ul style="list-style-type: none"> <li>• CPU – Multicore CPU, 2 cores</li> <li>• Memory – 4 GB</li> <li>• Disk Space – 100 MB</li> <li>• Monitor – Dual Monitors (20" or larger)</li> </ul> </li> </ul> <p><b>Terminal/Virtual server environment support</b></p> <ul style="list-style-type: none"> <li>• Terminal Servers are supported – for example, Citrix XenApp Server. The terminal server must meet the minimum hardware requirements set by the application provider (for example, Citrix).             <ul style="list-style-type: none"> <li>• Citrix XenApp versions supported:                 <ul style="list-style-type: none"> <li>• XenApp Server 7</li> <li>• XenApp Server 6</li> </ul> </li> </ul> </li> </ul> <div style="background-color: #e0f2f7; padding: 5px; margin: 10px 0;"> <p> Add an additional 256 MG of RAM (minimum) for each concurrent viewer session to be supported. Visit your selected terminal server product documentation website for additional guidelines.</p> </div> <ul style="list-style-type: none"> <li>• Virtual Servers – All virtualized environments are supported as long as the underlying platform adheres to the specifications outlined in this Technical Specifications document. This excludes the use of the sparse root configuration of Solaris Zones, which is <b>NOT</b> supported.</li> </ul> <p><b>High Availability options supported:</b></p> <ul style="list-style-type: none"> <li>• Oracle Real Application Clusters</li> </ul>



Specification	Description
	<p><b>Mobile devices supported (for Mobile MarkView)</b></p> <ul style="list-style-type: none"> <li>• <b>Apple</b> <ul style="list-style-type: none"> <li>• Apple devices using the Safari Browser and iOS 10.x or higher.</li> </ul> </li> <li>• <b>Android</b> <ul style="list-style-type: none"> <li>• Android devices using the standard Android browser and Android OS 6.0.x or higher.</li> </ul> </li> </ul> <p><b>Security and protocols</b></p> <ul style="list-style-type: none"> <li>• HTTP</li> <li>• HTTPS</li> </ul>
<b>Accessibility</b>	<p><b>Bandwidth recommendation(s):</b></p> <ul style="list-style-type: none"> <li>• Standard business network connectivity is acceptable</li> </ul> <p><b>User authentication methods supported:</b></p> <ul style="list-style-type: none"> <li>• LDAP</li> <li>• Active Directory (AD) <ul style="list-style-type: none"> <li>• Microsoft Active Directory 2012 R2</li> </ul> </li> <li>• Oracle Internet Directory (OID)</li> <li>• MarkView Built-In</li> <li>• MarkView Custom</li> <li>• Oracle EBS</li> <li>• Single Sign-On (SSO) <ul style="list-style-type: none"> <li>• HTTP Header or Cookies</li> <li>• SAML 2.0</li> </ul> </li> </ul>
<b>Browser</b>	<p>Highly recommended that the latest versions or updates of the following browsers are used:</p> <ul style="list-style-type: none"> <li>• Edge (Chromium)</li> <li>• EdgeHTML</li> <li>• Chrome</li> <li>• Firefox</li> <li>• Safari <ul style="list-style-type: none"> <li>• Apple OS and Apple devices only.</li> <li>• Versions 9+ supported.</li> </ul> </li> </ul>
<b>Mobile operating systems</b>	<p><b>Apple OS</b></p> <ul style="list-style-type: none"> <li>• iOS 10.x or higher.</li> </ul> <p><b>Android OS</b></p> <ul style="list-style-type: none"> <li>• Android OS 6.0.x or higher.</li> </ul>

Specification	Description
<p><b>Client operating systems</b></p>	<p><b>Microsoft Windows</b></p> <ul style="list-style-type: none"> <li>• Windows 11 64-bit</li> <li>• Windows 10 64-bit</li> </ul> <p><b>Apple</b></p> <ul style="list-style-type: none"> <li>• Mac OSX 10.x (x&gt;=6)</li> </ul>
<p><b>Server operating systems</b></p>	<p><b>Capture &amp; Output Servers</b></p> <ul style="list-style-type: none"> <li>• <b>Microsoft Windows Server</b> <ul style="list-style-type: none"> <li>• 2022 Standard and Datacenter</li> <li>• 2019 Standard and Datacenter</li> <li>• 2016 Standard and Datacenter</li> <li>• 2012 R2 Foundation – Essentials, Standard, Datacenter.</li> </ul> </li> </ul> <p><b>MarkView for Oracle EBS</b></p> <ul style="list-style-type: none"> <li>• We support all supported Oracle Operating Systems</li> <li>• Requires Oracle JDK 1.8.0_131 + 64 bit.</li> </ul> <p><b>Database server(s)</b></p> <ul style="list-style-type: none"> <li>• All operating systems supported by database vendors are supported unless otherwise noted.</li> </ul>
<p><b>Web Servers/Web Application Servers</b></p>	<p><b>JBoss EAP/WildFly</b></p> <ul style="list-style-type: none"> <li>• JBoss EAP version 7.4.x (x&gt;=0)</li> <li>• WildFly version 26.1.3</li> <li>• Both Standalone and Domain modes are supported</li> <li>• Supported Java Options <ul style="list-style-type: none"> <li>• Oracle JDK 1.8.0_131 + 64 bit</li> <li>• Open JDK Amazon Corretto 1.8.0_222 + 64 bit</li> </ul> </li> <li>• Supported platforms <ul style="list-style-type: none"> <li>• RedHat Linux (64 bit) <ul style="list-style-type: none"> <li>• 8.x (x&gt;=0) ES and AS</li> <li>• 7.x (x&gt;=0) ES and AS</li> </ul> </li> <li>• SUSE Linux Enterprise Server 15 SP4</li> <li>• Solaris 11 (64 bit)</li> <li>• Windows Servers (64 bit) <ul style="list-style-type: none"> <li>• 2022 Standard and Datacenter</li> <li>• 2019 Standard and Datacenter</li> <li>• 2016 Standard and Datacenter</li> <li>• 2012 R2 Foundation – Essentials, Standard, Datacenter</li> </ul> </li> </ul> </li> </ul> <p><b>WebLogic Server</b></p> <ul style="list-style-type: none"> <li>• Version 14.1.x (x&gt;=1)</li> <li>• Version 12.2.x (x&gt;=1)</li> <li>• Supported Java Options <ul style="list-style-type: none"> <li>• Oracle JDK 1.8.0_131 + 64 bit</li> </ul> </li> <li>• If using Oracle JDBC drivers version 11.2, you need a minimum of 11.2.0.3</li> </ul>

Specification	Description
	<ul style="list-style-type: none"> <li>• If using Oracle JDBC drivers version 12.1 or 12.2, you need to apply Oracle patches 21043834, 20692348, and 19028811</li> <li>• Supported platforms:                             <ul style="list-style-type: none"> <li>• RedHat Linux (64 bit)                                     <ul style="list-style-type: none"> <li>• 8.x (x&gt;=0) ES and AS</li> <li>• 7.x (x&gt;=0) ES and AS</li> </ul> </li> <li>• Oracle Linux (64 bit)                                     <ul style="list-style-type: none"> <li>• 8.x (x&gt;=3) EA and AS</li> <li>• 7.x (x&gt;=0) ES and AS</li> </ul> </li> <li>• SUSE Linux Enterprise Server 15 SP4</li> <li>• Solaris 11 (64 bit)</li> <li>• HPUX 11v3 (64 bit) on HP JDK 8.0.09+ 64 bit (WebLogic 12.2 only)</li> <li>• IBM AIX 7.2 (64 bit) on IBM JDK 1.8.0 SR6 FP7 + 64 bit</li> <li>• IBM AIX 7.1 (64 bit) on IBM JDK 1.8.0 SR6 FP7 + 64 bit</li> </ul> </li> </ul> <div style="border: 1px solid #ccc; background-color: #e6f2ff; padding: 5px; margin: 10px 0;"> <p> Contact MarkView Technical Support team for special instructions on installation of MarkView on AIX 7.1 and 7.2.</p> </div> <ul style="list-style-type: none"> <li>• Windows Servers (64 bit)                             <ul style="list-style-type: none"> <li>• 2022 Standard and Datacenter</li> <li>• 2019 Standard and Datacenter</li> <li>• 2016 Standard and Datacenter</li> <li>• 2012 R2 Foundation – Essentials, Standard, Datacenter</li> </ul> </li> </ul>
<b>RDBMS</b>	<p><b>Oracle RDBMS</b></p> <ul style="list-style-type: none"> <li>• Oracle 19.x (x&gt;=3), including XML DB and Jserver</li> <li>• Oracle 12.1.0.x (x&gt;=1), including XML DB and Jserver</li> </ul> <p>*See the Planning Guide for database configuration requirements.                      *Includes the ability to configure the DB for RAC or SCAN.                      *All operation systems supported by the DB vendor are supported unless otherwise noted.</p>

Specification	Description																
<p><b>Required third-party technologies</b></p>	<p><b>PDF Viewer</b></p> <ul style="list-style-type: none"> <li>Required for direct printing from MarkView Viewer</li> </ul> <p><b>MarkView for Oracle EBS</b></p> <ul style="list-style-type: none"> <li>Requires Oracle JDK 1.8.0_131 + 64 bit</li> <li>Oracle E-Business Suite                             <ul style="list-style-type: none"> <li>12.2.x (x&gt;=2)                                     <ul style="list-style-type: none"> <li>Oracle patch 20725445:R12.AP needs to be applied.</li> </ul> </li> </ul> </li> </ul> <p><b>Oracle Data Access Components (ODAC) – for Capture &amp; Output</b></p> <div style="background-color: #e0f2f1; padding: 5px; border: 1px solid #ccc;"> <p> Multiple versions of ODAC can be installed on the same machine.</p> </div> <table border="1" data-bbox="548 751 1463 1318"> <thead> <tr> <th data-bbox="548 751 721 1058">Oracle RDBMS version</th> <th data-bbox="721 751 972 1058">If ONLY Bar Code Server installed</th> <th data-bbox="972 751 1216 1058">If Mail Gateway, Import Server, Data Export Server, or Kofax Transformation Modules (KTM) installed</th> <th data-bbox="1216 751 1463 1058">If Bar Code Server AND one of the following components installed: Mail Gateway, Import Server, Data Export Server, or Kofax Transformation Modules (KTM)</th> </tr> </thead> <tbody> <tr> <td data-bbox="548 1058 721 1129">Oracle RDBMS 19c</td> <td data-bbox="721 1058 972 1129">ODAC 19.3 32 bit</td> <td data-bbox="972 1058 1216 1129">ODAC 19.3 64 bit</td> <td data-bbox="1216 1058 1463 1129">ODAC 19.3 32 bit + 64 bit</td> </tr> <tr> <td data-bbox="548 1129 721 1247">Oracle RDBMS 12 c Release 2</td> <td data-bbox="721 1129 972 1247">ODAC 12.2 32 bit</td> <td data-bbox="972 1129 1216 1247">ODAC 12.2 64 bit</td> <td data-bbox="1216 1129 1463 1247">ODAC 12.2 32 bit + 64 bit</td> </tr> <tr> <td data-bbox="548 1247 721 1318">Oracle RDBMS 12c</td> <td data-bbox="721 1247 972 1318">ODAC 12.1 32 bit</td> <td data-bbox="972 1247 1216 1318">ODAC 12.1 64 bit</td> <td data-bbox="1216 1247 1463 1318">ODAC 12.1 32 bit + 64 bit</td> </tr> </tbody> </table> <div style="background-color: #e0f2f1; padding: 5px; border: 1px solid #ccc; margin-top: 10px;"> <p> If you are using Kofax Capture for ingestion, it is not required to install Bar Code Server.</p> </div>	Oracle RDBMS version	If ONLY Bar Code Server installed	If Mail Gateway, Import Server, Data Export Server, or Kofax Transformation Modules (KTM) installed	If Bar Code Server AND one of the following components installed: Mail Gateway, Import Server, Data Export Server, or Kofax Transformation Modules (KTM)	Oracle RDBMS 19c	ODAC 19.3 32 bit	ODAC 19.3 64 bit	ODAC 19.3 32 bit + 64 bit	Oracle RDBMS 12 c Release 2	ODAC 12.2 32 bit	ODAC 12.2 64 bit	ODAC 12.2 32 bit + 64 bit	Oracle RDBMS 12c	ODAC 12.1 32 bit	ODAC 12.1 64 bit	ODAC 12.1 32 bit + 64 bit
Oracle RDBMS version	If ONLY Bar Code Server installed	If Mail Gateway, Import Server, Data Export Server, or Kofax Transformation Modules (KTM) installed	If Bar Code Server AND one of the following components installed: Mail Gateway, Import Server, Data Export Server, or Kofax Transformation Modules (KTM)														
Oracle RDBMS 19c	ODAC 19.3 32 bit	ODAC 19.3 64 bit	ODAC 19.3 32 bit + 64 bit														
Oracle RDBMS 12 c Release 2	ODAC 12.2 32 bit	ODAC 12.2 64 bit	ODAC 12.2 32 bit + 64 bit														
Oracle RDBMS 12c	ODAC 12.1 32 bit	ODAC 12.1 64 bit	ODAC 12.1 32 bit + 64 bit														
<p><b>Compatible third-party technologies</b></p>	<p><b>Content repositories supported:</b></p> <ul style="list-style-type: none"> <li>EMC Documentum                             <ul style="list-style-type: none"> <li>6.5</li> </ul> </li> <li>IBM DB2 Content Manager Enterprise                             <ul style="list-style-type: none"> <li>8.4.x</li> <li>8.3</li> </ul> </li> <li>FileNet Content Manager                             <ul style="list-style-type: none"> <li>5.5</li> </ul> </li> <li>Oracle WebCenter Content                             <ul style="list-style-type: none"> <li>11G</li> </ul> </li> </ul>																

Specification	Description
<p><b>Compatible Kofax software</b></p>	<p><b>MarkView 10.5.0 supports the following product versions:</b></p> <p><b>Kofax AP Agility</b></p> <ul style="list-style-type: none"> <li>• 2.6.0.x (x&gt;=0)</li> </ul> <p><b>Kofax Capture (KC)</b></p> <ul style="list-style-type: none"> <li>• 11.1.x (x&gt;=0)</li> </ul> <p><b>Kofax Transformation Modules (KTM)</b></p> <ul style="list-style-type: none"> <li>• 7.1.0.x (x&gt;=0)</li> </ul> <p><b>Kofax Front Office Server</b></p> <ul style="list-style-type: none"> <li>• 4.3.x (x&gt;=0)</li> </ul> <p><b>Kofax Analytics for MarkView</b></p> <ul style="list-style-type: none"> <li>• 1.2.x (x&gt;=0)</li> </ul> <p><b>Kofax Import Connector (KIC)</b></p> <ul style="list-style-type: none"> <li>• 2.10.x (x&gt;=0)</li> </ul> <p><b>Kofax Mobile Capture</b></p> <ul style="list-style-type: none"> <li>• 3.7.x (x&gt;=0)</li> </ul> <p><b>Kofax Virtual ReScan (VRS)</b></p> <ul style="list-style-type: none"> <li>• 5.3.x (x&gt;=0)</li> </ul>
<p><b>Languages supported</b></p>	<p>Translations are currently available for user interfaces and online help, but not for Administrative interfaces or user documentation.</p> <p>English            French (France)            German            Italian            Brazilian Portuguese            Simplified Chinese            Japanese            Castilian Spanish            Polish</p>