

Kofax Kapow 10.3 Training and Certification

## Module 3 – Installation

Installing and licensing Kofax Kapow

**Kofax**  
**Kapow™**



# Kofax Kapow 10.3 Installation – Module Overview



- ◆ Installation and Licensing
- ◆ Hardware Requirements
- ◆ Supported Platforms
- ◆ How to Install
  - ◆ On Windows
  - ◆ On Linux
- ◆ Online Help
- ◆ Licenses
- ◆ KCUs (Kapow Compute Units)
- ◆ Getting Started – Management Console & Design Studio

# Installing Kofax Kapow

Software and hardware requirements

Total product or individual components?

Where to get the software

# Installation & Licensing

- ◆ The purpose of this section is to cover product installation and to provide a quick overview of all of the major components comprising the Kapow Platform to provide context and understanding of how the components fit together.
- ◆ After the overview is complete, we will return to these applications and cover them in much more depth, particularly the Design Studio and Management Console.

# Hardware Requirements

The tables below specify system specification for different platforms. The requirements may depend on the application so these should only be taken as guidelines and not as absolute numbers. A complex clipping solution might require much more power than a simple collection solution. The recommendations for servers are for one server. The number of servers used for a given application (the size of a cluster) is a completely different matter and should be estimated using methods described elsewhere.

## IDE requirements:

	Minimum	Recommended
Windows	Intel Core Duo 1.8 GHz CPU (or AMD equivalent), 4GB RAM, 500MB free disk space for installation and 5GB free disk space for operation	Intel Core Duo 2.66 GHz CPU (or AMD equivalent), 8GB RAM, 500MB free disk space for installation and 5GB free disk space for operation
Linux (64-bit)	Intel Core Duo 1.8 GHz CPU (or AMD equivalent), 4GB RAM, 500MB free disk space for installation and 5GB free disk space for operation	Intel Core Duo 2.66 GHz CPU (or AMD equivalent), 8GB RAM, 500MB free disk space for installation and 5GB free disk space for operation

## Server requirements:

	Minimum	Recommended
Windows (32-bit)	Intel Xeon L5520 CPU (or equivalent AMD Opteron), 2GB RAM, 500MB free disk space for installation and 5GB free disk space for operation	Intel Xeon X5680/X5677 CPU (or equivalent AMD Opteron), 2GB RAM, 500MB free disk space for installation and 5GB free disk space for operation
Windows (64-bit)	Intel Xeon L5520 CPU (or equivalent AMD Opteron), 4GB RAM, 500MB free disk space for installation and 5GB free disk space for operation	Intel Xeon X5680/X5677 CPU (or equivalent AMD Opteron), 8GB RAM, 500MB free disk space for installation and 5GB free disk space for operation
Linux (64-bit)	Intel Xeon L5520 CPU (or equivalent AMD Opteron), 4GB RAM, 500MB free disk space for installation and 5GB free disk space for operation	Intel Xeon X5680/X5677 CPU (or equivalent AMD Opteron), 8GB RAM, 500MB free disk space for installation and 5GB free disk space for operation

**Real-time data:** If you have a solution where users are waiting for results in real-time, CPU speed is normally the bottleneck, and you should buy the fastest CPU available for your hardware platform.

**Dedicated hardware:** For best performance we recommend that you always run RoboServer on dedicated hardware. That means that you should not run database servers and other services on the same hardware as your RoboServers.

# Supported Platforms

This is the list of supported platforms. The versions listed are the ones on which Kofax Kapow has been tested. This does not mean that it will not work on other versions. If in doubt whether it works on a version not listed contact Kapow or your reseller to get more information.

IDE Platforms	
Windows	Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Windows 7, Windows 8, Windows 10
Linux (64-bit)	CentOS/Red Hat Enterprise Linux 6.x Ubuntu 14.04 LTS with libqt5webkit5 library

Server Platforms	
Windows	Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2
Linux (64-bit)	CentOS-7, Red Hat Enterprise Linux 6.x, Debian 8.2

# Device Automation Platforms and Databases

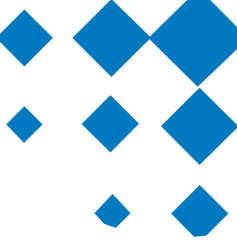


Device Automation Platforms	
Windows	Windows Server 2003 SP2, Windows XP SP3, Windows 7, Windows 10

Databases	
Oracle*	Version 12c Requires Unicode and case sensitivity. For case-sensitive comparison, ensure that NLS_COMP is set to BINARY.
IBM DB2	9.7
Microsoft SQL Server	Version 2008 and 2008 R2, 2012, 2014
Sybase*	Adaptive Server Enterprise 15.0 using the jConnect for JDBC 3.0 version 6.0.5 driver
MySQL*	Version 5.5-5.7
HBase	The step Store in HBase Table can be used with HBase Version 0.90.6.

**Note** You can use PostgreSQL database only for storing your data. PostgreSQL cannot be used as a Management Console system or logging database.

# Other Requirements



APIs	
Java	Java 8 including J2EE servers such as Oracle WebLogic 11, IBM WebSphere, and JBOSS
JMX	Java 1.6
<p>For correct display of data in the Kofax Insight Dashboard, make sure Java correctly sets the time according to your time zone on RoboServers and computers running Management Consoles. See the <i>Timezone Data Versions in the JRE Software</i> on the Oracle web site for the latest updates in time zones. If necessary, use the <i>Timezone Updater Tool</i> to update the time zone information.</p>	
Management Console Portals	
Tomcat	Version 7.0.56 or later. Minimum Java version 1.8 with the latest update.
Other Supported Technologies	
Supported browsers for Management Console and KappZone/Kapplets	Internet Explorer version 9, 10, and 11; Chrome version 31 and later; Firefox version 25 and later; Safari version 7.
Supported JMS message brokers	Apache ActiveMQ 5.11, 5.12, 5.13; Red Hat JBoss A-MQ 6.2.1.

*For more information, see the Kofax Kapow 10.3 Installation Guide*



# Installation



- ◆ Software can be downloaded from:
  - ◆ <http://delivery.kofax.com/>
  - ◆ A portal logon and a license is required for the download
  - ◆ All Kapow development tools and components are provided in one installation package, or you may download components separately
  - ◆ NOTE: For this class, we have provided software on you Class Resources USB flash drive or DVD.
- ◆ RoboServer is installed as an executable; it needs to be manually configured if you wish to run it as a service.
- ◆ Management Console is run as an embedded component in RoboServer using an embedded database by default; alternatively, it can be deployed as a web application on a standalone Tomcat server, which will use an external database for the Management Console data and can use LDAP integrated security.

# Installing on Windows



- ◆ You need to have administrator rights to install on Windows.
- ◆ You will have received instructions on how to download the installer. Download and save the latest version of Kapow\_10.x.x.msi (32-bit) or Kapow\_10.x.x\_x64.msi (64-bit) file to your hard disk. After the download is completed, run the file to start the installation and follow the steps and dialogs of the installer. Then proceed to enter license information.
- ◆ A silent installer is able to run without user interaction. This is convenient if, for instance, you need to automate the installation process in a script. If you wish to perform a silent installation of Kofax Kapow, you need to run the following command with administrative rights:
  - ◆ `msiexec /qn /i Kapow_10.x.x.x.msi`  
This will install the program to the default location.
  - ◆ If you wish to specify another location, instead run:  
`msiexec /qn /i Kapow_10.x.x.x.msi INSTALLDIR="dir"`  
where dir is the location you wish to install to. After installation, you still need to proceed to enter license information.

# Installing on Linux

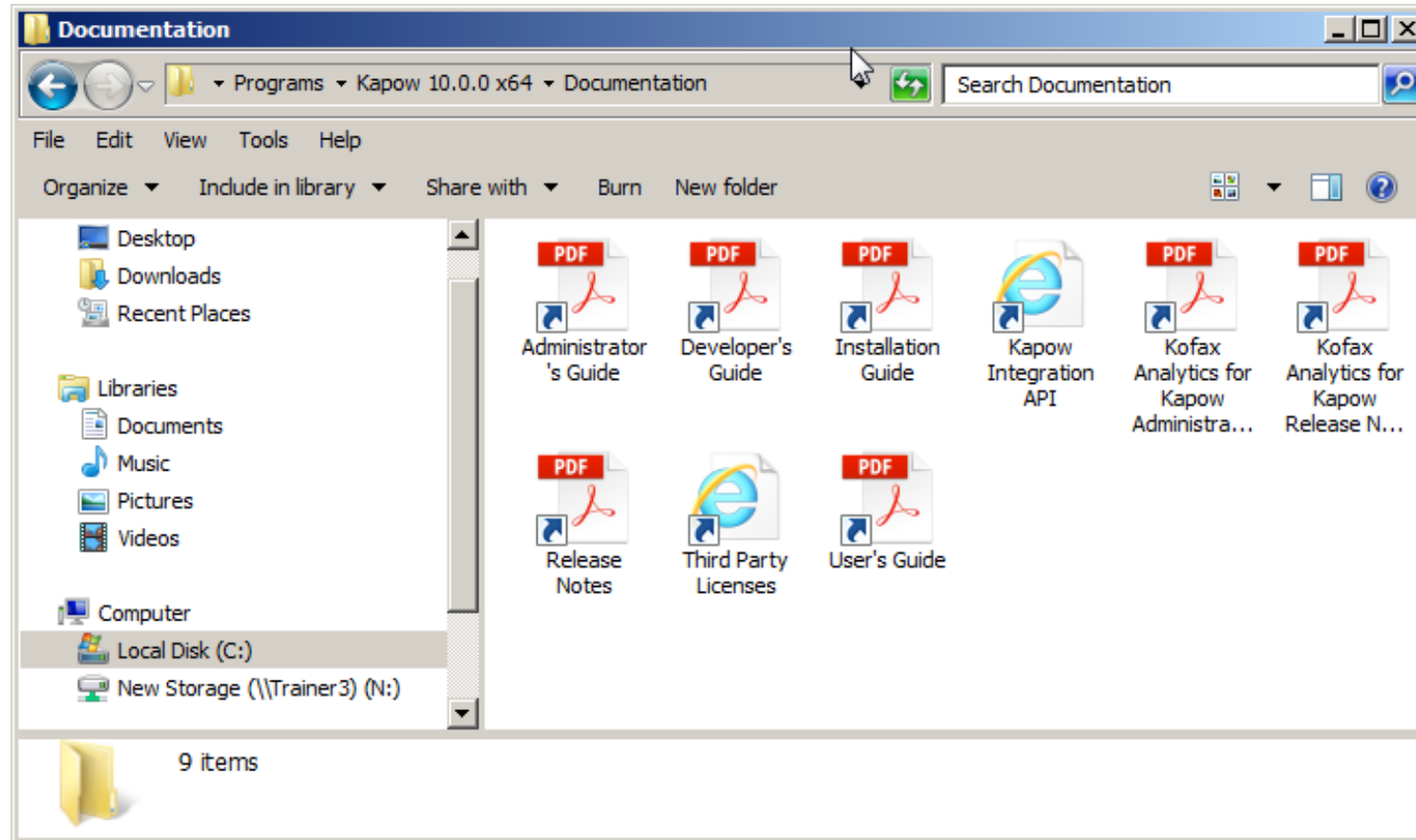


- ◆ You may install as an unprivileged user on Linux.
- ◆ You will have received instructions on how to download the appropriate file. Download and save the installation .tar.gz file to your hard disk. This file is named **Kapow\_10.x.x.x.tar.gz** for the Linux 32-bit version and **Kapow\_10.x.x.x\_x64.tar.gz** for the Linux 64-bit version. The following instructions refer to the Linux 32-bit version, but the others are the same except for the filename.
- ◆ When the download is completed, the installation is done by extracting the contents of the file. In most Linux distributions, this can be done by right-clicking the file and choosing the appropriate extraction option. The file can also be extracted from the command line as follows:
  - ◆ **\$tar xzf Kapow\_10.x.x.x.tar.gz**
  - ◆ Alternatively, to extract the file to a specific directory, the following command can be used:
  - ◆ **\$tar xzf Kapow\_10.x.x.x.tar.gz -C /destination\_directory**
  - ◆ When the file has been extracted, proceed to enter production and/or non-production license information.

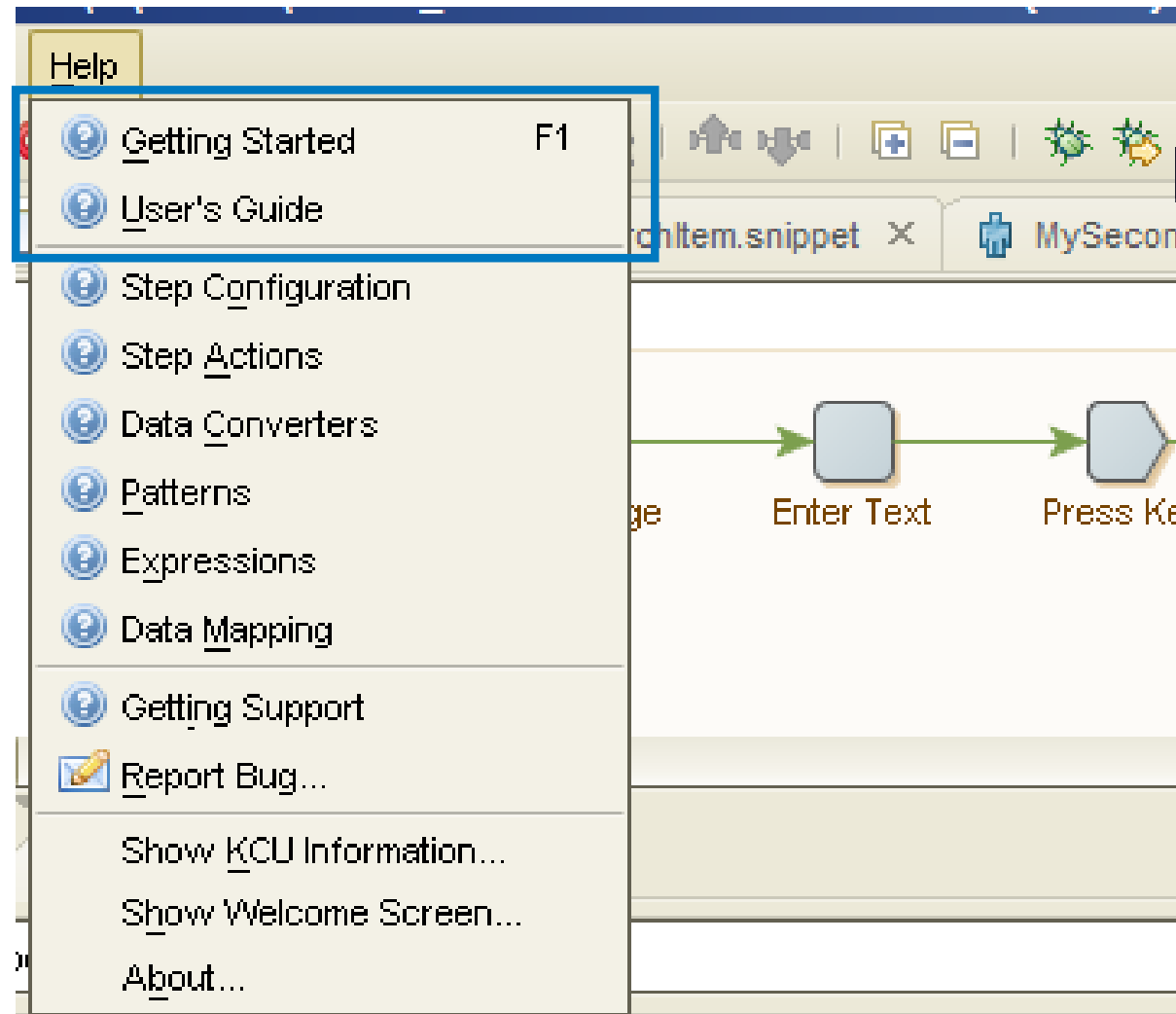
# Documentation

# Kofax Kapow Documentation

Documentation is included with your full Kofax Kapow 10.3 installation.



# Documentation is also available via “Help” in Design Studio

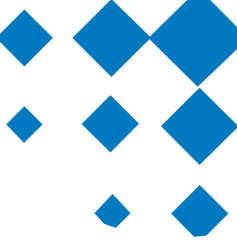


# Licensing Kofax Kapow

For versions prior to 10.3

For versions 10.3 and later

# Licensing



- ◆ Entered in Management Console (MC)
- ◆ Your organization usually receives two license keys
  - ◆ A Production Key that controls
    - ◆ Available KCUs (Kapow Compute Units) or CREs (Concurrent Robot Executions) for production Clusters
    - ◆ Kapplet Users
  - ◆ A Non-production Key that controls
    - ◆ Available KCUs or CREs for staging Clusters
    - ◆ Design Studio seats (that's you!)
- ◆ Optional Developer Key(s)
  - ◆ Used for external developers that don't have access to your organization's Management Console



# Legacy Licensing based on Kapow Compute Units (KCUs)



- ◆ A KCU is a Kapow Compute Unit and is defined as a unit of measure for how many operations (or steps) a Kapow RoboServer can perform in one second (and is unrelated to underlying server capacity).
- ◆ A step is the smallest unit of action which can be performed within a RoboServer. Examples of steps are, loading a web page, writing a data record to a database, or performing a transformation on a data element.
- ◆ One KCU represents a total of 5000 KCU points per second. The number of Kapow steps that make up one (1) KCU depends on the type of Kapow steps involved, as each step type consumes a different amount of the KCU. The steps are divided into groups the most important groups are listed here:
  - ◆ Steps that both do I/O and execute JavaScript - 10000 KCU, points E.g.: 2 page loads per second with 4 KCUs
  - ◆ Steps that do either I/O or execute JavaScript (but not both) - 1000 KCU points E.g.: 20 Call REST Web Service Steps per second with 4 KCUs
  - ◆ Extraction and transformation steps - 1 KCU point, E.g. 20,000 extract or assign steps per second with 4 KCUs

# Simplified Licensing for 10.3 and Later

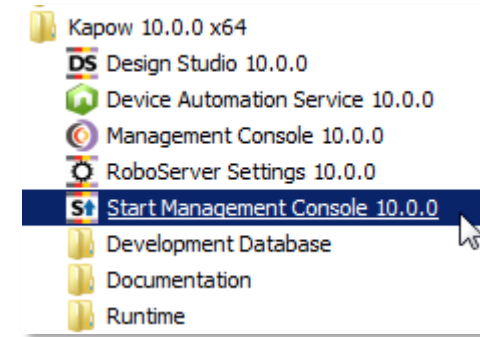


- ◆ Now based on number of robots allowed to run concurrently (CREs)
- ◆ Users upgrading from 10.2 and earlier may still use the legacy KCU licensing model if they elect to or may convert to the new model
- ◆ New Kapow users will purchase their license based on the number of concurrently running robots allowed
  - ◆ If the number is exceeded at a given time, robots will be queued.

# Getting Started – Management Console (MC)

- ◆ Getting started, launch MC

- ◆ <http://localhost:50080> (default)

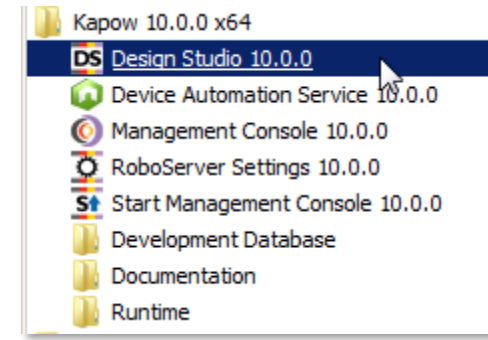


- ◆ Enter company name and license key in browser

A screenshot of a web browser form titled 'License'. It contains five input fields with labels: 'Name:', 'Email:', 'Company:', 'Production License Key:', and 'Non-Production License Key:'. Each label is followed by a text input box.

# Getting Started – Design Studio

- ◆ Start Design Studio
- ◆ Agree to End User License
- ◆ Enter Management Console (MC) details
  - ◆ License Server
  - ◆ URL: <http://localhost:50080/>





# Demonstration and Lab

Installing Kofax Kapow

Licensing Kofax Kapow