

Technical Requirements

This leaflet gives you an overview of the technical requirement for the Knowledge Pulse® Solution both on the client - as well as on the server side.

Client Requirements – Knowledge Pulse® for Android

To use the KP client application for smartphones running Android OS, the phone has to meet the following specifications:

Operating system:	Android 1.6 “Donut” or newer
Disk space:	At least 3 MB of free internal application memory. If the OS version is not lower than 2.2 “Froyo”, the application may be installed to external memory (a storage card for instance).
Screen resolution:	The KP client application supports common Android screen resolutions like QVGA (240x320), WQVGA400 (240x400), WQVGA432 (240x432), HVGA (320x480), WVGA800 (480x800), WVGA854 (480x854), WSVGA (1024x600)

Although the Knowledge Pulse® for Android offers both an on- and an offline mode, some actions like changing the active course require an Internet connection for exchanging data with the Knowledge Pulse® server. Depending on the used cell phone rate, this data transfer may create additional costs. Alternatively it is also possible to use a (free) WLAN that provides an Internet connection for exchanging data with the Knowledge Pulse® server.

The client application is distributed in the form of an APK file, which can be used to install it on the Android based device. The APK file can be downloaded from Android Market directly to the Android device. Alternatively the APK file can be transferred to the device via e-mail, Bluetooth and USB (mass storage functionality of Android based devices). To run the installation procedure, the APK file has to be executed via the device's file browser.

When the Knowledge Pulse® for Android is started for the first time, a welcome screen is displayed allowing to register a new user account or to log in with an already existing account.

Client Requirements – Knowledge Pulse® for iPhone and iPod Touch

Supported Hardware	iPad 1 st or 2 nd generation iPhone 3G or newer iPod Touch
Firmware	OS 4.0+

The client application is distributed for free via the AppStore.

Although the Knowledge Pulse® for iPhone and iPod Touch offers both an on- and an offline mode, some actions like changing the active course require an Internet connection for exchanging data with the Knowledge Pulse® server. Depending on the used cell phone rate, this data transfer may create additional costs. Alternatively it is also possible to use a (free) WLAN that provides an Internet connection for exchanging data with the Knowledge Pulse® server.

In order to use the client in corporate scenarios the user can switch to an alternate Server.

Client Requirements – Knowledge Pulse® for Symbian

To use the KP client application for smartphones running Symbian OS, the phone has to meet the following specifications:

Operating system:	Symbian OS S60 3 rd Edition Feature Pack 1 or Feature Pack 2
Disk space:	At least 5 MB of free storage space if the Qt libraries are already installed (Additionally disk space for the Qt libraries: ~7 MB)
Screen resolution:	640x360, 240x320 or 320x240 pixels

Although the Knowledge Pulse® for Symbian offers both an on- and an offline mode, some actions like changing the active course require an Internet connection for exchanging data with the Knowledge Pulse® server. Depending on the used cell phone rate, this data transfer may create additional costs.

The client application is distributed in the form of an SIS file, which can be used to install it on the mobile phone. A very comfortable way to install the application is the use of the Nokia Ovi Suite. Alternatively, it is also possible to transfer the SIS file to the mobile phone (e.g. via Bluetooth or USB) and to start the installation right on the mobile phone itself.

When the Knowledge Pulse® for Symbian is started for the first time, a welcome screen is displayed allowing to register a new user account or to log in with an already existing account.

Client Requirements – Knowledge Pulse® for Windows

The following elements are required to ensure smooth operation of the KP Client:

CPU:	800 MHz or faster
Operating system:	MS Windows® XP, MS Windows® 7 or Windows® Vista
Disk space:	10 MB of free storage space
Screen resolution:	At least 1024 x 768 pixels Tested at a maximum resolution of 1600 x 1200 pixels

An Internet connection is necessary to operate the application; the client computer must be able to connect to the Knowledge Pulse® server on port 80. The Client supports use of proxy servers and https connections.

The end-user requires read access for the subdirectory “Research Studios Austria\KnowledgePulse” located in the default application directory as well as write access for his/her personal profile.

The Knowledge Pulse® Client is distributed as an MSI file. Administrator rights are not required to install it. An application folder is automatically created in the Start menu, enabling a manual launch of the client.

During the initial launch of the Knowledge Pulse® client, the application automatically queries user settings (user name, password, proxy configuration), which are then saved to the user’s profile directory.

Server Requirements – Knowledge Pulse® Server: Version 1.8

Supported Operating Systems:

- Solaris / SunOS 5.10 (We recommend using Solaris)
- Windows® 2008 R2 Server (please contact us for more information)
- Linux (SuSE, Debian, Redhat; contact us for more information)

Server Software:

- Sun Java Runtime Environment, Standard Edition (build 1.6.0_20-b02 or higher)
- MySQL Server 5.1.35 (or higher)
- Apache Tomcat 6.0.20 (or higher)

The exact server operation and functionality requirements depend on the expected number of users. It is not necessary to separate the Database server from the web server in operational scenarios of 4,000 users or less.

The following server hardware is recommended:

CPU:	Xeon 2.0+ GHz
RAM:	2 GB or more
HDD:	40 MB for applications 10 GB for the database content

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