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# **DeskApp Admin Manual**

*Release 1.0 final*

**Kopano**

**Feb 21, 2018**

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**Edition 1.0 - The Kopano Team**

This document describes how to install, upgrade, configure and maintain DeskApp on your system.

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## Introduction

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This document describes how to install, upgrade, configure and maintain the Kopano-DeskApp client on your system.

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## System requirements

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### 2.1 WebApp

We recommend you run the latest stable WebApp version.

### 2.2 Operating system

DeskApp works on every modern operating system. Refer to the Kopano download page for the correct package for your operating system.

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**Note:** Due to outdated dependencies, Debian 7 64bit does not work with DeskApp.

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## Installation

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### 3.1 Linux

#### 3.1.1 Repository setup

DeskApp can be installed via our repositories. Read more here: <https://kb.kopano.io/display/WIKI/Configure+repositories>

#### 3.1.2 Linux - .rpm based installation

Deskapp can be installed on RPM-based operating systems with the following command:

```
sudo rpm -Uhv kopano-deskapp.rpm
```

Alternatively you can use your graphical package manager to install DeskApp.

#### 3.1.3 Linux - .deb based installation

DeskApp can be installed on DEB-based operating systems with the following command:

```
sudo dpkg -i kopano-deskapp.deb
```

Alternatively you can use your graphical package manager to install DeskApp.

### 3.2 Windows

On Windows DeskApp can be installed by executing the kopano-deskapp.exe file. Follow the instructions on the screen to proceed with the installation.

#### 3.2.1 Group Policy installation

For GPO installs use the Kopano-DeskApp-en.msi package.

### 3.3 Mac OSX

On Mac OSX the kopano-deskapp.dmg file can be dragged to your application folder. This will initialize a copy of DeskApp to your local system.

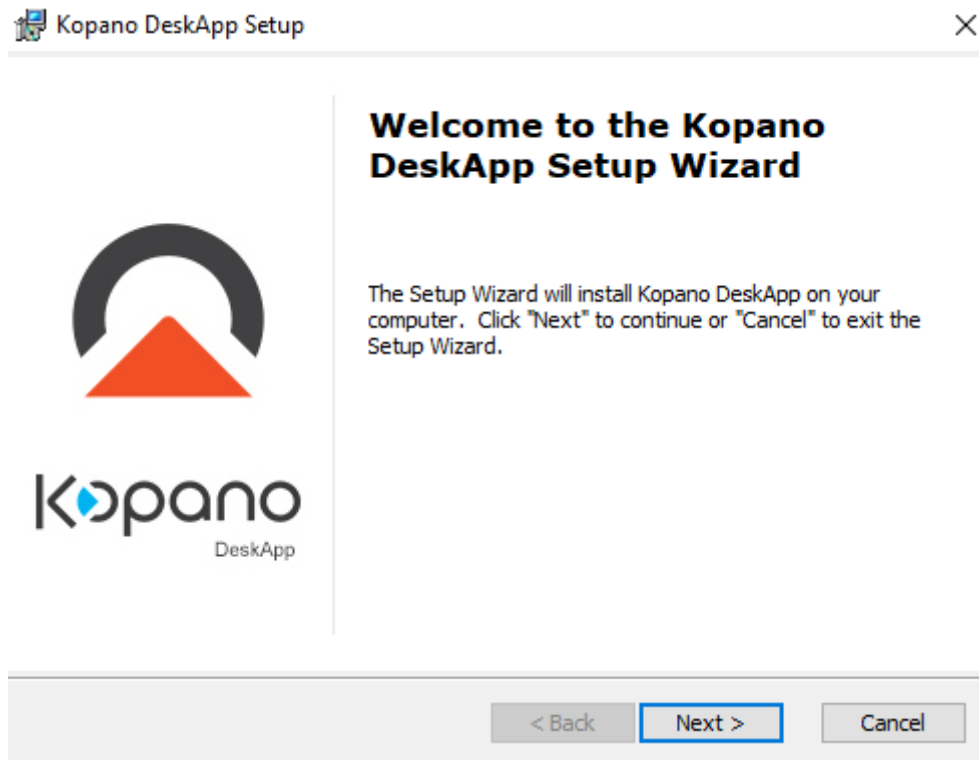


Fig. 3.1: The Windows Installer

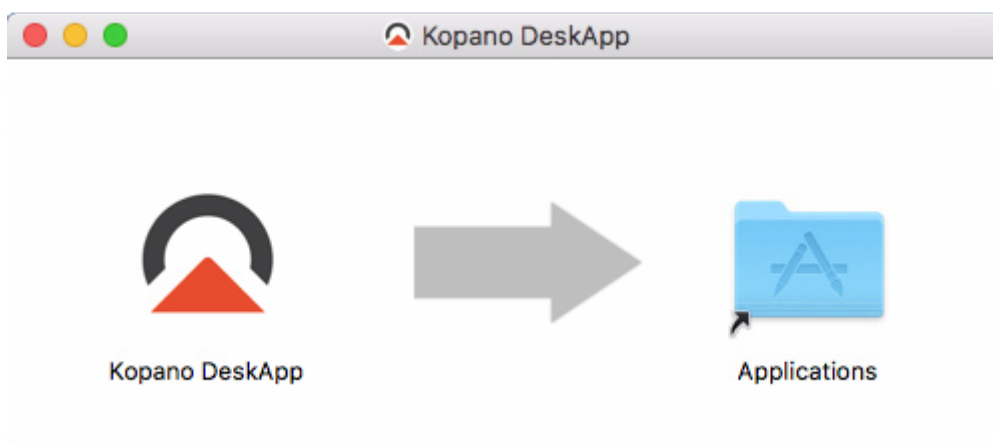


Fig. 3.2: The Mac Installer

## 3.4 Flash Installation

On Windows based systems PPAPI flash is needed to work with PowerPaste (provided by WebApp) and Word.

Link: <http://get.adobe.com/flashplayer/otherversions/>

Version needed: Chromium PPAPI



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## Configuration

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### 4.1 DeskApp Autodiscovery

Based on the email address of a user, DeskApp can ‘discover’ the URL of your WebApp server. This only requires a simple TXT record.

Example:

Type	Name	Value	TTL
TXT	yourserver.com	kdiscover <a href="https://yourserver.com/webapp/">https://yourserver.com/webapp/</a>	Automatic

### 4.2 Profile creation

There are two ways to create a profile in DeskApp. If no profile is configured a profile creation screen is visible. Another way to create a profile is via the DeskApp settings. In both windows profiles can be created by entering your credentials. The following fields are mandatory:

- Profile name
- Username
- Password
- WebApp address

If Autodiscovery is enabled by the administrator the email address can be used to discover the WebApp address. More information about Autodiscovery [here](#).

The ‘use system credentials’ settings should only be enabled if the administrator has set up a ‘Single Sign-on’ environment.

Profiles can be set as default via the ‘Set as default profile’. The default profile will be shown as the first profile in the profile drop down. If ‘Automatically login with the default profile’ option is set, the default profile will be loaded after DeskApp is started.

### 4.3 Deployment

DeskApp offers the possibility to set up its configuration with INI-style files. This can be used for mass deployments.

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**Important:** Kopano DeskApp 1.3 final is needed at least.

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### 4.3.1 Methods

Currently, there are three different methods available to import settings from an ini file.

- commandline parameter

Run DeskApp with `--importini="<path-to-ini>"`, also works with UNC paths on Windows.

- default location

DeskApp checks whether a file called `deskapp.ini` exists in the user-data-dir. Default user-data-dirs are:  
 - Windows: `%LOCALAPPDATA%\Kopano DeskApp\User Data\Default\` - Mac: `~/Library/Application Support/Kopano DeskApp/User Data/Default/` - Linux: `~/config/Kopano DeskApp/User Data/Default/`

- registry key (Windows only)

DeskApp will also check if the registry key `HKEY_CURRENT_USER\Software\Kopano\Kopano DeskApp\importINI` exists, and use its value as path to the ini. A corresponding `.reg` file might look like this.

```
Windows Registry Editor Version 5.00

[HKEY_CURRENT_USER\Software\Kopano\Kopano DeskApp]
"importINI"="\\\\127.0.0.1\\c$\\tmp\\deskapp.ini"
```

Again local and UNC paths are supported.

### 4.3.2 Environment variables

In mass deployments the usage of environment variables helps a lot, because the admin does not need to create a ini file per user. Environment variables are supported for the keys name, email, url, username and `defaultDownloadLocation`. To reference any environment variable available, enclose it in `'${}'`.

In a Windows environment, for example, the `USERNAME` variable could be used like this:

```
username=${USERNAME}
```

### 4.3.3 Format

The ini file format consists of different sections, which are described in the following paragraphs. Sections are enclosed in `[name]`. Comments can be added by prepending a `;`.

There is one important exception, which is not within a section, but at the toplevel.

```
forceImport=true|false
```

The `forceImport` key determines whether existing settings should be overwritten, or not. Defaults to false if omitted.

#### General section

The general section its key `defaultProfile` are mandatory. The other keys that can be defined here are optional. This section supports the following keys:

Key	Value	Description	Mandatory
<code>defaultProfile</code>	<code>profile_n</code>	the default profile, has to exist in profiles	Yes
<code>autoLogin</code>	<code>true false</code>	automatically login with the default profile	No
<code>hideOnMinimize</code>	<code>true false</code>	hide DeskApp from the taskbar to the tray when minimized	No
<code>zoomFactor</code>	<code>percentage</code>	zoom factor in percent	No

## Profiles sections

Profiles are defined in the profiles sections. A profile section always follows the syntax profiles.profile\_n. Where n is counting from 1. So, the section profiles.profile\_1 would be the first profile and so on.

Possible keys are listed in the following table.

Key	Value	Description	Mandatory
id	profile_n	id of the profile , has to match the section	Yes
name	string	the name of the profile	Yes
email	emailaddress	the users emailaddress	No
rememberPassword	true/false	if the password is not remembered the user has to enter it on every login	No
authType	webapp/ssl/basic	<ul style="list-style-type: none"> <li>webapp: default webapp login,</li> <li>sso: ntlm and kerberos authentication</li> <li>basic: basic authentication</li> </ul>	Yes
url	url	url to WebApp. http(s)://<host>/<path>/index.php?logon	Yes
username	string	the user loginname, if omitted the user will be asked on first login	No
password	string	password in cleartext, will be saved encrypted, if omitted the user will be asked on first login	No

## Downloads Section

In the downloads section the download behaviour can be determined by the following keys.

Key	Value	Description	Mandatory
showSaveAs	true/false	show the save as dialog for all downloads	Yes
downloadBehaviour	ask/open/save	What do do after a download	No
defaultDownloadLocation	folderpath	the location on the filesystem where to save downloads	No

## Spellcheck Section

It is possible to define multiple languages for spellchecking in the spellcheck section. If the spellcheck languages are not set here, DeskApp will use the language of the operating system. This section only supports the key "languages[]". It has to be specified multiple times, for multiple languages. Supported languages are:

code	language
af	Afrikaans
bg	Bulgarian
ca	Catalan
cs	Czech
da	Danish
de	German
Continued on next page	

Table 4.1 – continued from previous page

code	language
el	Greek
en-AU	English (Australia)
en-CA	English (Canada)
en-GB	English (United Kingdom)
en-US	English (United States)
es	Spanish
et	Estonian
fa	Persian
fo	Faroese
fr	French
he	Hebrew
hi	Hindi
hr	Croatian
hu	Hungarian
id	Indonesian
it	Italian
ko	Korean
lt	Lithuanian
lv	Latvian
nb	Norwegian Bokmål
nl	Dutch
pl	Polish
pt-BR	Portuguese (Brazil)
pt-PT	Portuguese (Portugal)
ro	Romanian
ru	Russian
sh	Serbo-Croatian
sk	Slovak
sl	Slovenian
sq	Albanian
sr	Serbian
sv	Swedish
ta	Tamil
tg	Tajik
tr	Turkish
uk	Ukrainian
vi	Vietnamese

### Example

```

; Only import if no settings are present yet
forceImport=false

; general: automatically login with profile_1,
; do not hide on minimize and set the zoomlevel to 120%
[general]
defaultProfile=profile_1
autoLogin=true
hideOnMinimize=false
zoomFactor=120

; profile_1: profile with default WebApp authentication, taking the username
; and the first part of the emailaddress from environment variables.
; Remembers the password, after the user has entered it the first time.
[profiles.profile_1]

```

```

id=profile_1
name=My first DeskApp profile
email=${USERNAME}@example.com
rememberPassword=true
authType=webapp
url=https://webapp.example.com/webapp/index.php?logon
username=${USERNAME}

; profile_2: the second profile with ntlm or kerberos authentication against WebApp
; username and password are not needed
[profiles.profile_2]
id=profile_2
name=The SSO Profile
email=sso@example.com
authType=sso
url=https://sso.example.com/webapp/index.php?logon

; profile_3: the third profile uses basic auth and even sets up the password.
; Keep in mind the password has to be in cleartext which might be insecure.
[profiles.profile_3]
id=profile_3
name=Profile 3
email=user3@example.com
rememberPassword=true
authType=basic
url=https://basic.example.com/webapp/index.php?logon
username=user3
password=mysecretpassword

; downloads: download without asking where to save to the environments TEMP folder
; and open the file after downloading
[downloads]
openOnCompleted=true
showSaveAs=false
defaultDownloadLocation=${TEMP}

; spellcheck: use german and us english for spellchecking
[spellcheck]
languages []="de"
languages []="en-US"

```

## 4.4 Mailto

### 4.4.1 Example mailto

```
mailto:abc@def.de?cc=xyz@bla.com%2C1@2.de&bcc=spy@bcc.de&body=A%20body&subject=the
↳%20subject&attach=C:\tmp\lululu.txt
```

### 4.4.2 RFC

Read more here: <https://tools.ietf.org/html/rfc2368>

## 5.1 Logging

Start DeskApp via the command line with the following option:

Linux and MacOS

```
--enable-logging=stderr
```

For windows

```
--enable-logging
```

Alternatively you can start DeskApp with an extra verbose option:

Linux and MacOS

```
--enable-logging=stderr --v=1
```

For windows

```
--enable-logging --v=1
```

More information about logging can be found here: <https://www.chromium.org/for-testers/enable-logging>