

# Kerio Connect

**Kerio 4D Migration**

**Kerio Technologies**

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This document provides brief instructions on how to migrate data from the *4D Mail* server to *Kerio Connect*.

For current product version, check <http://www.kerio.com/>.

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## Chapter 1

# Introduction

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This document provides brief instructions on how to migrate data from the *4D Mail* server to *Kerio Connect*.

For simple migration from 4D, go to <http://www.kerio.com/> and download an image including the *Kerio 4D Migration Wizard* migration tool and the *4d2kms* command line migration utility. You can also download this document in PDF.

## 1.1 System Requirements

The migration tools are supported on the following operating systems:

- Mac OS X 10.3 Panther
- Mac OS X 10.4 Tiger and higher

It is possible to migrate from *4D WebSTAR 5.4.x* to *Kerio Connect*.

## Chapter 2

# Migration process description

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Migration tools enable migration of data stored at the *4D Mailbox* server. The migration covers domains, user accounts and data available through IMAP (e-mail and folders).

First, the migration tool locates *4D Mailbox* server's configuration in the default or a specified path. Then, it attempts to connect to the IMAP port at the local host and to login to *Kerio Connect* using an administration account. If all these attempts are completed successfully, the migration process can start.

## 2.1 Migrated data

### *Post Offices*

On the *4D Mail*, data is stored in *Post Office*. Each *Post Office* on the 4D server covers one or multiple SMTP domains. Migration tools create one domain in *Kerio Connect* for each *Post Office*. The domain name will match with the first SMTP domain detected in the migrated *Post Office* (the first domain name found in the configuration for this *Post Office*).

The other Local Mail Domains associated with the migrated *Post Office* will be added to *Kerio Connect* as aliases to the created SMTP domain. If the SMTP domain already exists in *Kerio Connect*, it will not be modified and it will be skipped. If there already exists a domain matching a migrated domain or an alias to an existing domain, migration of such a domain fails.

### *Users accounts*

Migration tools create a *Kerio Connect* account for each user migrated. For new accounts, the password identical with passwords at *4D Mail* will be set. For a successful migration, migrated users need a valid password and it is also necessary that login to the IMAP service is enabled.

### *Folders and e-mail messages*

Migration tools make copy of all data available via the IMAP protocol. All folders and e-mail messages are copied. Any data saved in *4D WebMail* which are not accessible via the IMAP protocol will be left out of the migration.

## Chapter 3

# Conditions for successful migrations

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- Migration tools must run on a host where *4D WebSTAR* is installed. The tool locates *4D Mailbox* server's configuration from the local file system and, therefore, it is necessary that it is used by a user with full access to the configuration.
- Configuration files for all *Post Offices* are tested before the migration process starts. It is necessary that no configuration file is damaged or missing. Otherwise, an information will be displayed that the migration cannot be performed since the *4D Mail* configuration cannot be located and the wizard exits.
- It is necessary that the IMAP service is running at the *4D Mail*.
- It is necessary that users can login to the IMAP server and use a valid password for it.
- Users with the password missing will not be migrated since they cannot be authenticated at the source IMAP server.
- *Kerio Connect* must be installed and running on the same computer as *4D WebSTAR* or on a host which is accessible via network. If a firewall is running on the *Kerio Connect's* host, it is necessary to allow incoming connections on ports 44337 and 8143.
- In *Kerio Connect*, an administration account must be created during the installation.
- Also a primary domain must be created in *Kerio Connect* that does not exist in *4D Mail* server. This measure will help avoid possible duplicities.

### 3.1 Problems

If duplicate *Post Offices* or SMTP domains exist on *4D Mail* server, migration-related problems may arise.

## Chapter 4

# Kerio 4D Migration Wizard

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Step-by-step instructions:

1. Make sure that *Kerio 4D Migration Wizard* is installed on the computer where the *4D Mail* server is running and that the IMAP service is also running at the server.
2. Install *Kerio Connect* on the same computer or on a host accessible via a network interface. During the installation, create a primary domain and an administrator's account. The primary domain should not be equal to any of the SMTP domains at the *4D Mail* server.
3. The migration tool will migrate all users from *4D Mail* to *Kerio Connect*. Check that users are allowed to login and they have valid passwords. Users with login disabled or without valid passwords will not be migrated.
4. Run *Kerio 4D Migration Wizard*. You will be asked to enter the administrator's password since rights for administration of the operating system are required for the migration process.

## Kerio 4D Migration Wizard

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5. The migration tool is now running.

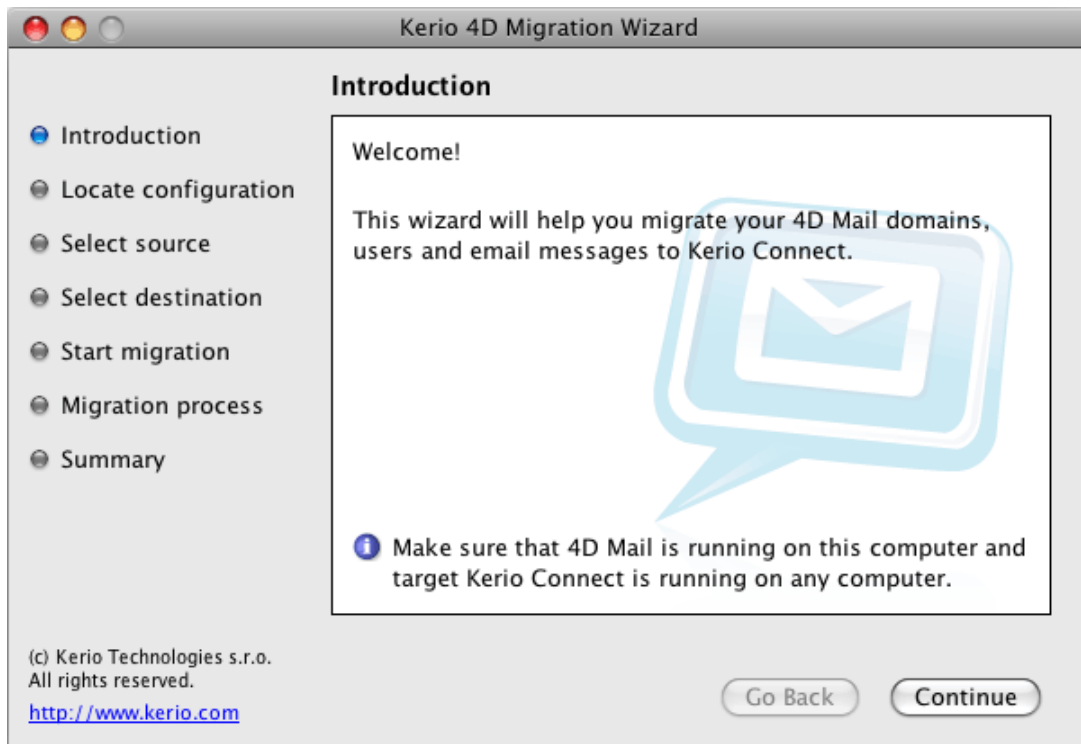


Figure 4.1 Introduction

6. Click on *Continue* to make the migration tool locate the configuration at the `WSMailboxServer.prefs.xml` file in the default path `/Applications/4DWebSTAR/MailboxServer`. If this file cannot be located, you will be asked to enter a correct path to the file. If the configuration is located automatically, the page shown at figure 4.2 is skipped.

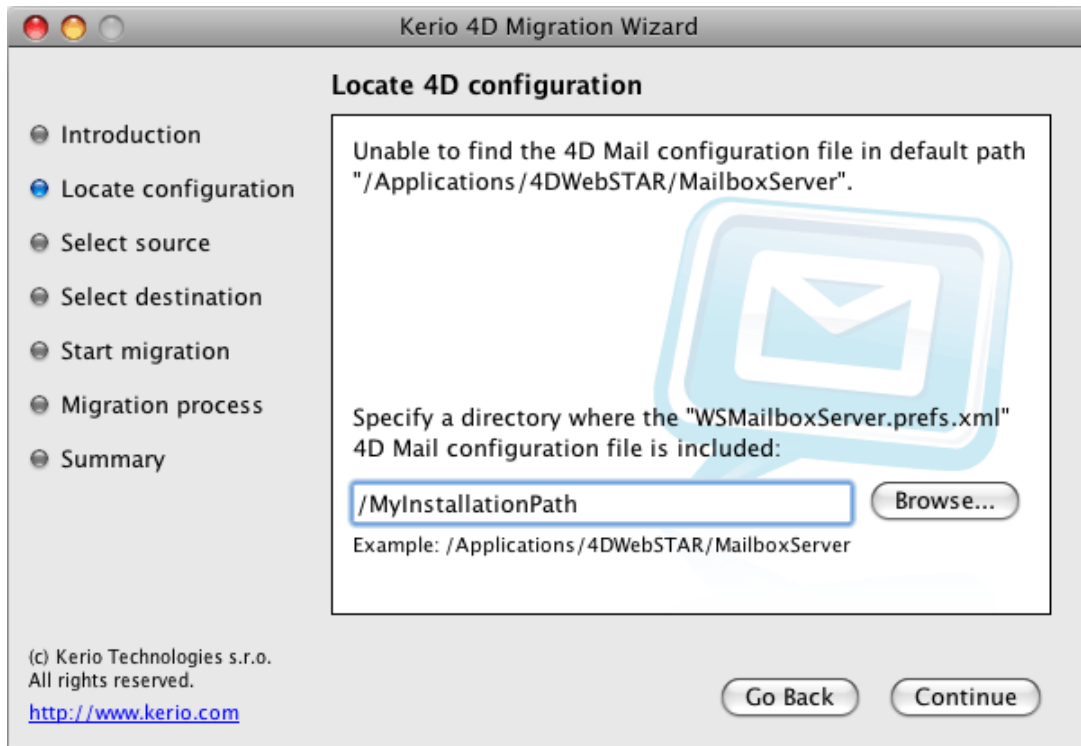


Figure 4.2 Locate 4D configuration

## Kerio 4D Migration Wizard

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- Now, the migration wizard attempts to connect to the IMAP service at the local host's default port 143. If the connection fails, check whether the IMAP service of the *4D Mail* is running on the computer. If not, go to the migration tool and define the port where the IMAP service is running.

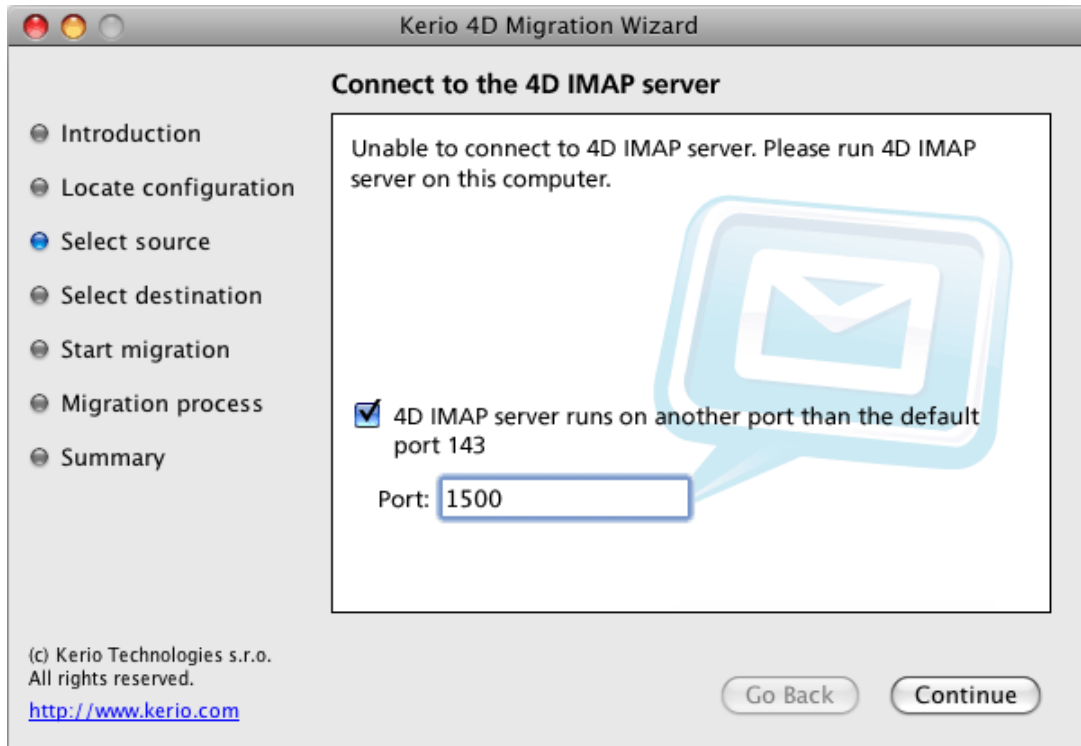


Figure 4.3 Connect to the 4D IMAP server

8. On the following page, specify the IP address of the host where your *Kerio Connect* is installed. Also authenticate by username and password of the administration account set during the *Kerio Connect* installation.

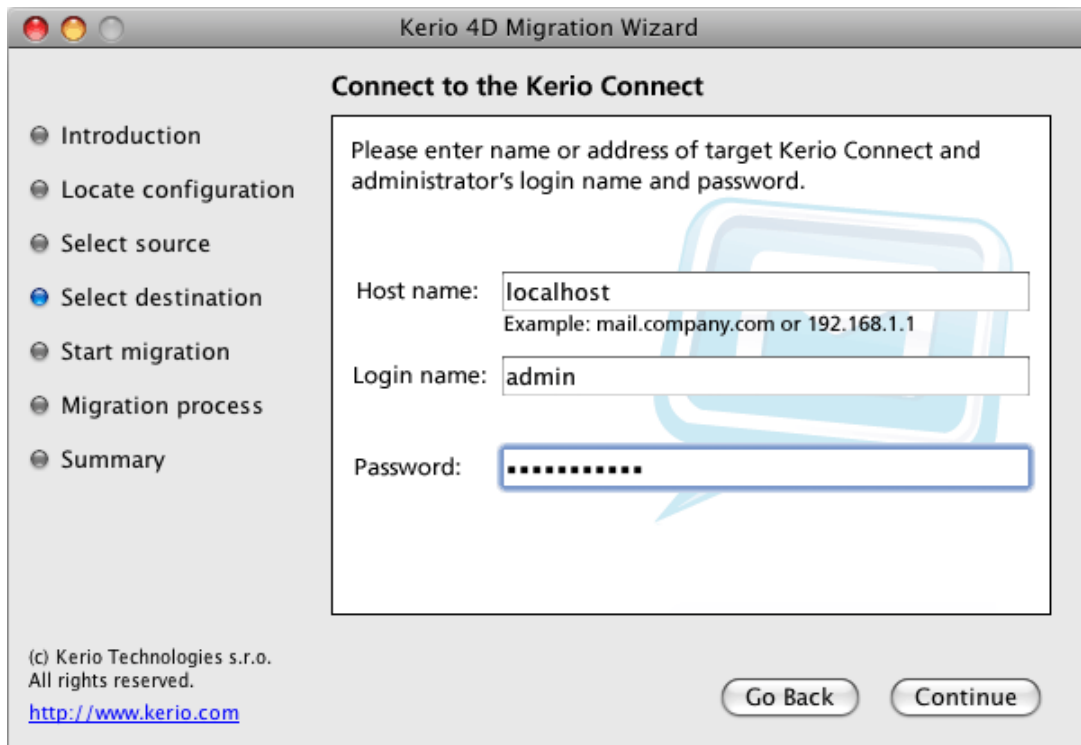


Figure 4.4 Connect to the Kerio Connect

## Kerio 4D Migration Wizard

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9. The next page provides summary about the configuration located. Click *Start* to launch the migration process. The process can take some time.

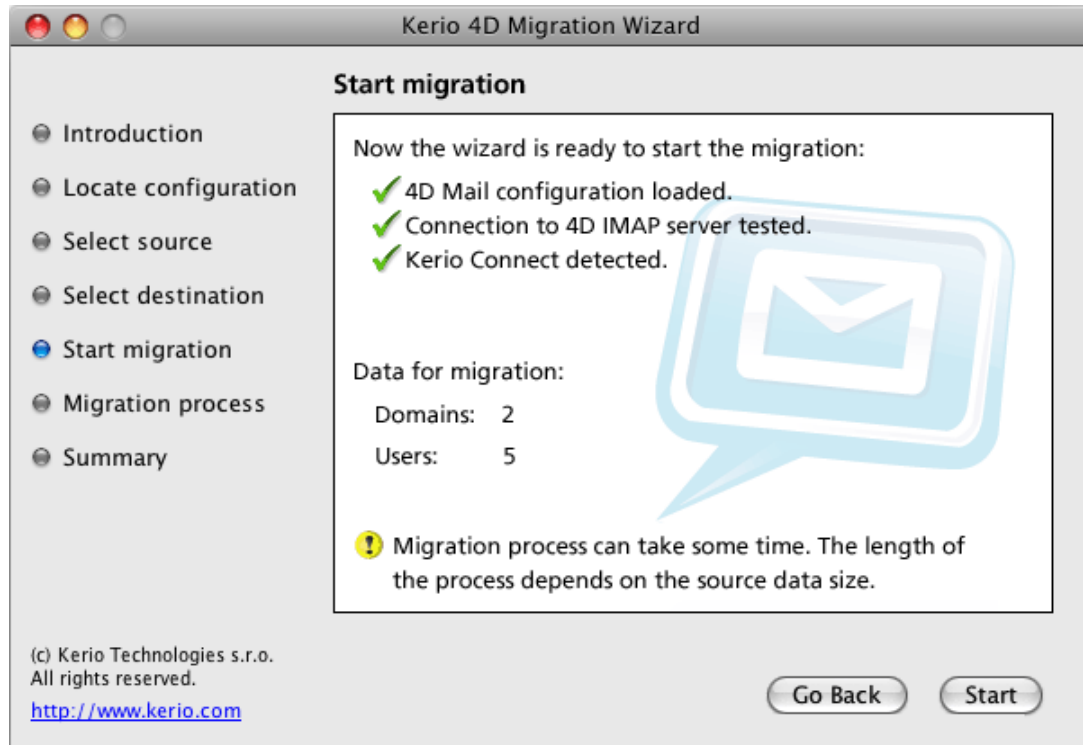


Figure 4.5 Start migration

10. Now, the migration process is in progress. The page enables to view its status. The process can be stopped by the *Abort* button if desired.

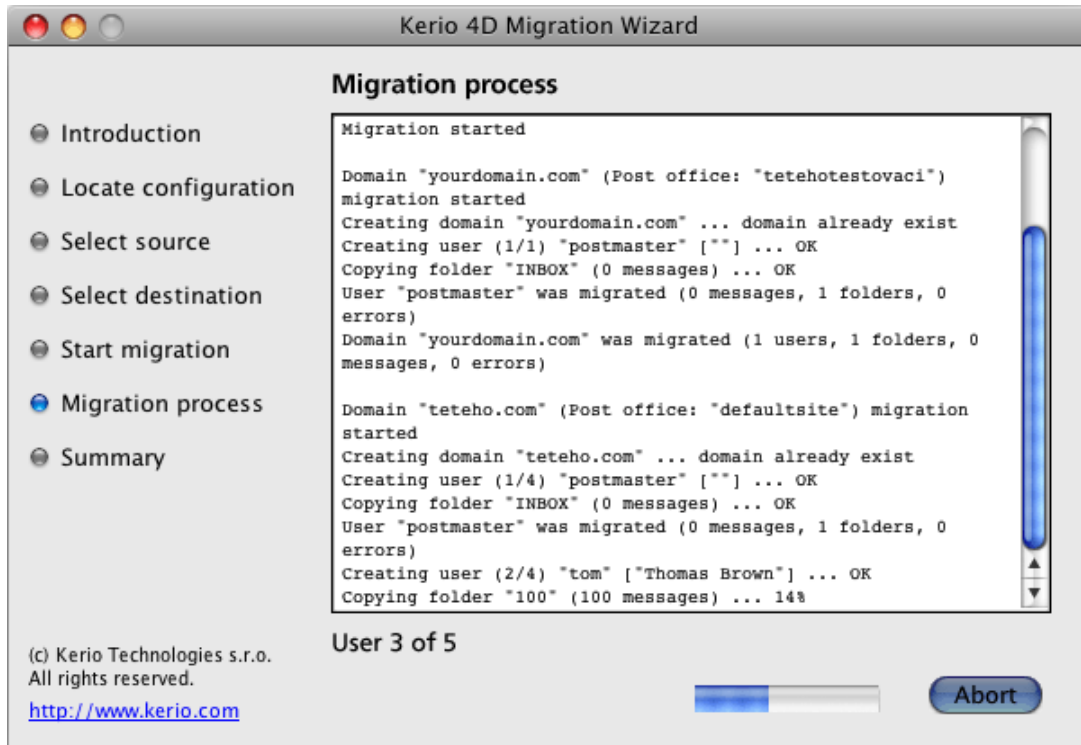


Figure 4.6 Migration process

11. When the migration's completed, another page is displayed providing results of the migration process.

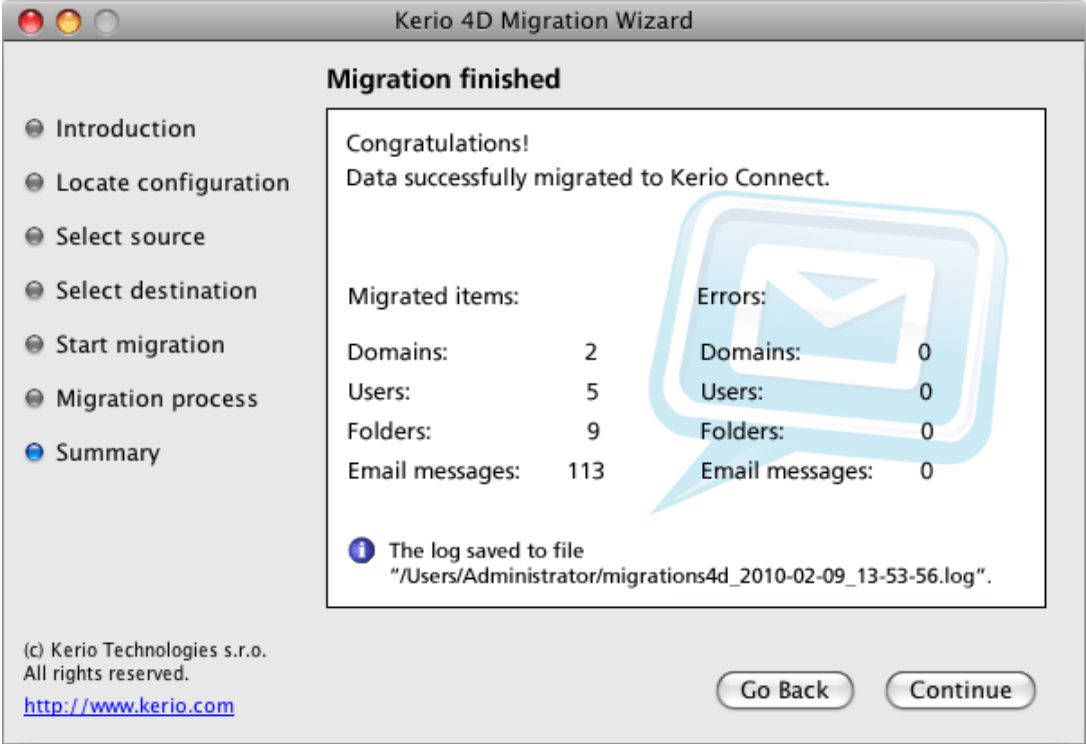


Figure 4.7 Migration finished

## Chapter 5

# Kerio 4D Migration Tool

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Although it is recommended to perform the migration using the wizard, a simple command-line utility is also available. The tool is the `4d2kms` command line utility. It is necessary that the utility is run by a user with valid access to the *4D Mailbox* server's configuration. If the utility is started with parameters missing, the following brief instructions appear.

Kerio 4D Migration Tool 6.1.3.

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```
Usage: 4d2kms [--target-host HOST] --target-user USER
--target-pass PASSWORD [--source-host HOST] [--source-path PATH]
[--source-port PORT] --quiet --help
```

### Options:

<code>--target-user USER</code>	Username of administrative account on KMS. This parameter is required.
<code>--target-pass PASSWORD</code>	Password of administrative account on KMS.
<code>--target-host HOST</code>	This parameter is required. Name or IP address of target KMS. Default value is 'localhost'.
<code>--source-path PATH</code>	path in localhost filesystem where 4D WebSTAR is installed. Default value is '/Applications/4DWebSTAR/MailboxServer'
<code>--source-port PORT</code>	Imap server port of 4DWebSTAR server. Default value is 143.
<code>--quiet</code>	Quiet mode.
<code>--help</code>	Display this information.

## 5.1 Usage example

`4dkms` is started on a computer with *4D WebSTAR*. On the same computer, *Kerio Connect* is also installed where the *admin* administration account with the *abcd* password is created.

The command line will be as follows:

```
sudo ./4d2kms --target-user admin --target-pass abcd
```