KOBIL mIDentity – Service Release Notes

KOBIL mIDentity 1.5.2 Build 20070725

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1. Changes since previous releases

1.1 Changes since KOBIL mIDentity V.1.5.1 Build 20060823

KOBIL mIDentity 1.5.2 Build 20070725 has the following improvements as compared with the former version KOBIL mIDentity 1.5.1 Build 20060823:

1.1.1 Bug Fixes:

My Identity

- When a smart card CardOS was initialized via Application Wizard directly after a TCOS smartcard, the card number printed on PUK printout was identical for both cards. This problem has been resolved.
- Card number was missing on a PUK printout of a CardOS smart card. Now the card number is printed.
- Using SSO account with OTP while the caps lock key was activated caused failure in OTP transfer. This problem has been resolved.
- Some applications, e.g. Cisco VPN Client, were not properly handled by our SSO due to the method of interspersing a password (this can be done by a message, or an event). Starting from this version user will be able to determine the method for each learned application.
- If "Delete Certificate" function is activated and user deletes the default certificate, a new certificate gets created while the old one is removed (the old certificate is replaced by a new one). In previous version the old certificate was not removed.
- In this version we optimized default initialization configuration depending on the actual smartcard status.
- In some situations searching certificate in LDAP caused Explorer to crash. This version fixes the problem.

Other improvements

- Opening an email in html format on Windows 2000 with Outlook 2000 / SR-1 causes huge system load. We have optimized the automatic window detection to resolve this problem.
- Using KOBIL mIDentity Light wasn't possible with mIDentity V1.5.1 application. This version supports KOBIL mIDentity Light
- Information stored in USERPROFILE has been optimised.
- A scenario where signature should be proved, but mIDentity is not inserted has now a more comprehensive error handling.

1.1.2 New Functions:

My Secure Data Storage

- Refinement of information messages in the area of secure storage activities.

My Identity

- 2048-bit key for smart cards type CardOS 4.3b and TCOS 3.0 are supported.
- Installation of the PKCS#11 module tool supports now Netscape 8.x.

1.2 Changes since KOBIL mIDentity V.1.5 Build 20051108

KOBIL mIDentity 1.5.1 Build 20060823 has the following improvements compared with the former version KOBIL mIDentity 1.5 Build 20051108:

1.2.1 Bug Fixes:

My Identity

- mIDentity software detects a locked card PIN as soon as you insert mIDentity into a USB port and automatically invokes the "Unlock PIN" function.
- The SSO Rescue Assistant can be now accessed not only with KOBIL mIDentity Classic, but also with mIDentity Basic and a valid licence key. This functionality can be only invoked when there is no mIDentity device plugged in.
- A manual SSO account with OTP was previously displayed incorrectly as an account with a static password. In this version the display is correct.

My Secure Data Storage

- In the past it wasn't possible to access secure data storages when the certificate used for encryption was no longer valid. This issue has been resolved.
- The container create dialog has been improved.

Other improvements

- Some remaining German words in the English version have been replaced with English version.

1.2.2 New Functions:

My Identity

- If you are using KOBIL SecOVID together with mIDentity software you can activate a function to generate and display SecOVID OTP in plain text. For more information please refer to the KOBIL mIDentity SDK documentation, which can be provided by KOBIL partners.
- The Simple Sign-On functionality can be completely deactivated.

My Secure Data Storage

- Random numbers for encrypting a secure data storage are now generated with the help of your smart card.

Other improvements

- UNICODE support – starting from this version we support also non-ASCII character sets. The Japanese version is now available and can be delivered on request.
- Global PIN caching was previously closely tied with the application which used it. Starting from this version PIN caching applies to user session, as long as you use the CSP from KOBIL This feature is activated by default.
- Additional smart cards support: CardOS M4.01a / M4.3b, JCOP 3.0, GemExpresso
- KOBIL PC/SC reader can be used in parallel to mIDentity when the KOBIL mIDentity setup is executed from a command line with option „midlight". This will install a container driver, which opens the mobile secure storage. For more information please refer to the KOBIL mIDentity SDK documentation, which can be provided by KOBIL partners.
- The interaction between KOBIL mIDentity und KOBIL mIDentity Gina Logon has been improved. Setting a specific registry key prevents mIDentity from being removed when put in hibernation mode. This allows KOBIL mIDentity Gina Logon access the smart card on

mIDentity when computer is waking up without a need to re-insert mIDentity. For more information regarding registry setting refer to the KOBIL mIDentity SDK documentation, which can be provided by KOBIL partners.

- The user manual have been updated.

1.3 Changes since KOBIL mIDentity 1.4.1 Build 20050517 release

KOBIL mIDentity 1.5 Build 20051108 has the following improvements compared with the former version KOBIL mIDentity 1.4.1 Build 20050517:

Next generation:

With KOBIL mIDentity 1.5, a new device type is introduced. Now it is possible to use a mobile Secure Data Storage on computers where no mIDentity-specific software is installed. All your data will be stored highly secure on the device. Nobody can access the data without the knowledge of the KOBIL mIDentity SmartCard PIN.

To agree to your individual needs, you can purchase following packages:

mIDentity Light   - low cost and extensibility – (no memory)
mIDentity Light+   - Strong authentification and local encryption (no memory)
mIDentity Basic   - The mobile secure data storage – secure and independend –
mIDentity Classic   - The "All – In – One" version –

KOBIL mIDentity Basic / Classic are available with different memory sizes:
S (64 MB), M (128 MB), L (256 MB), XL (512 MB), XXL (1 GB)

The function Outlook – Synchronisation and the Profile – Tool have been removed. If you are interested in those features, please contact your KOBIL partner.

Licence-Key:

Depending on the KOBIL mIDentity package you have purchased, not all functions of the software are enabled. You can enable the full functionality by entering a licence key which is either shipped together with your KOBIL mIDentity package (if you have purchased the full software features) or you can purchase it later as an upgrade at your certified KOBIL partner.

To enter your licence key, please select „Settings – Other – Info" and enter the licence key into the appropriate text fields.

NOTE: For customer which have already purchased an earlier version KOBIL mIDentity, the full functionality is available.

1.3.1 Bug Fixes

My Identity

- While using SecOVID – OTP's , there was no correct user feedback in case of a wrong entered PIN. This problem has been solved

Other improvements

- English text revision

1.3.2 New Functions

<u>Initialization Assistant</u>

- For initializing the smart cards now you can also use a WEB based certification authority (e.g. Windows CA or KOBIL mIDentity Manager) which can be entered in the registry. This CA will be called automaticly while initializing the card. For detailed information see the KOBIL mIDentity whitepaper which can be ordered from your KOBIL partner.
- While generating the PUK automaticly, the associated card number and device serial number will be shown.

<u>My Identity</u>

- The advanced SSO configuration now is configurable by a normal user
- Support of additional SAP GUI's (Tool for SAP log-on)

<u>Other improvements</u>

- Many parts of the software now are configurable. For detailed information, see the KOBIL mIDentity whitepaper which can be ordered from your KOBIL partner.
- With the current version KOBIL mIDentity it is possible to use different CSPs in conjunction with a corresponding SmartCard.
- The PKCS11 Module now supports additional browser and mail clients like: Netscape, Lotus Notes, Thunderbird, Mozilla and Firefox

1.4 Changes since KOBIL mIDentity 1.4.0 Build 20050219 release

KOBIL mIDentity 1.4.1 Build 20050517 has the following improvements compared with the former version KOBIL mIDentity 1.4.0 Build 20050219:

1.4.1 Bug Fixes

<u>My Identity</u>

- After certificate damage it was not possible to restore a backup which was created before. This problem is solved.
- While generating a new backup the software could crash through the manualy renaming of the backup file. This problem is solved.
- If a wrong password generator was defined the software generates invalid OTP's instead of an errror message. Now the sotware shows a detailed message.

<u>My Data Safe</u>

- The handling with temporary not available network data safes on Windows 2000 was difficult. Now it is much easier.
- It was possible to import data safe without having the right certificate. This is no longer possible.
- While disconnecting an external USB hard disk with a mounted data safe the icons was leaving on the desktop. Now the icons are deleted after disconnecting the hard disk.

<u>Initializing Assistant (Wizard)</u>

- While creating PIN and PUK for the first time the software could crash. This problem is solved.

Other improvements

- More stability while removing mIDentity unsecure.
- Generally text revisions.
- If a mIDentity is pluged in without a smart card an error message occurs.

1.4.2 New Functions

My Identity

- If certificates within a chain are used the entire chain would be taken over to other systems. So the certificates are valid on all systems.

My Data Safe

- Now it is possible to search and import automaticly all data safes from which a valid certificate is existing on mIDentity.
- The ADK handling was optimized.

1.5 Changes since KOBIL mIDentity 1.3.1 Build 20041104 release

KOBIL mIDentity 1.4.0 Build 20050219 has the following improvements compared with the former version KOBIL mIDentity 1.3.1 Build 20041104:

1.5.1 Bug Fixes

The following software bugs have been resolved in this release:

My Identity

- Access to logon accounts without the need to enter a PIN.
- Lack of free storage on mIDentity impacting the logon accounts.
- Application freeze while using SecOVID One Time Password.

My Data Safe

- Repeatedly assigning the same drive letter while working with network drives which are not always mounted.

My Office

- Duplicates in synchronizing MS Outlook. The problem has been solved for contacts, notes and tasks (see section 3).
- The time range in which the appointments should be synchronized not as indicated in the settings.

Other improvements

- The English version of KOBIL mIDentity was revised.
- Wrong PIN's are no longer stored in the cache.
- Modified settings are applied immediately and without the need to reinsert mIDentity

1.5.2 New Functions

My Identity

- In most cases KOBIL mIDentity is being delivered with an empty Smart Card. The Smart Card has to be initialized with PIN, PUK, and a certificate. To simplify this procedure Initialization Wizard will guide you through the initialization steps.
- From now on your logon accounts will be encrypted with a certificate and not with a 3DES key. After updating the mIDentity software your secret data will be migrated automatically to the new format.
- With this version you can replace your current encryption certificate with a new one.
- Logon dialogs in java-based applications can be detected and learned.
- Many further websites can be learned.
- Logon accounts can be backed up. In case of a damaged or lost mIDentity device user will be able to restore logon profiles from the backup.
- Advanced parameters for Single Sign On are configurable.
- The SSO maintenance application is accessible from the tray bar icon.
- The SSO dialog box logon, which pops up when new account is being learned is non-modal, so you don't need to act immediately when the window appears.
- The new SSO Emergency Assistant allows user to view logon accounts in the backup file without the mIDentity device.

My Data Safe

- The secure storage created on a NTFS-formatted disk will be filled with random data to ensure, that the free disk storage is shown correctly.
- Secure data storages on external USB hard disks are supported.

1.6 Changes to KOBIL mIDentity 1.3.0 Build 20040709

KOBIL mIDentity 1.3.1 Build 20041104 has the following improvements compared with the former version KOBIL mIDentity 1.3.0 Build 20040709:

1.6.1 Bug Fixes:

Setup

- After a language update two links to the manual exists under „START/PROGRAMMS/KOBIL Systems/KOBIL mIDentity". Both links startet the same version. This problem is solved now.

My Identity

- For Web based applications: if the title bar changes, it will be recognized now and the automatically logon will attempt following. It could happen that an already learned site will be learned again after updating the software. Example: gmx.de, web.de, hotmail.de
- In some cases mIDentity tried to learn its own password dialogs. Now they would not be learned.

My Data Safe

- If a Secure Data Storage was mounted and opened by the explorer and you tried to close the mIDentity Control Center Software an error occurred. The same happens when removing the mIDentity device securly. These problems are solved now.

- The older version allowed to use special letters in the Secure Data Storage name. If so the desktop link was not created. This problem is solved by rejecting such special letters.
- Removing the mIDentity device while a Secure Data Storage opened by the explorer or while another application accesses a file in this Secure Data Storage causes an error. This problem is slved now.

Other improvements

- The mIDentity Control Center Software crashed when trying to import an certificate with a key length of 2048 bit. Now a message tells what key length is allowed.
- The mIDentity Control Center Software icon in the traybar disappears when the explorer crashes but the software is still active. This problem is solved.
- If a PIN was entered wrong threetimes a message suggest that the card is locked but there are three new trials. Now the message will displayed in the right form.
- After some special actions the mIDentity Control Center Software was displayed maximized even though it was minimized before. This problem is solved.

1.6.2 New Functions:

My Identity

- SSO-support for Checkpoint VPN Clients
- SSO-support for Citrix VPN Clients vers. 8

My Data Safe

- The fast user switch under Windows XP is supportet: Mounted Secure Data Storages would be unmounted after a user switch.
- Now it is also possible to create Secure Data Storages on network devices.
- Secure Data Storages on NTFS partitions now could be greater then 4GB.

Other improvements

- Service Pack 2 for the operating system Windows XP is supportet.
- A PKCS#11-module for Lotus Notes and Netscape support is integrated.
- In the settings you can choose if the mIDentity device should be switched while inserting or if it register direct as a composite device. The advantage of this setting is that systems on which the mIDentity Control Center Software is installed are able to detect the mIDentity device faster. A disadvantage is that on systems on which the mIDentity Control Center Software is not installed a message occurs which ask you to install a driver. You have to abort this message.

1.7 Changes to KOBIL mIDentity 1.1.4 Build 20040510

KOBIL mIDentity 1.3.0 Build 20040709 has the following improvements compared with the former version KOBIL mIDentity 1.1.4 Build 20040510:

1.7.1 Bug Fixes:

My Identity

- When learning password dialogs for console applications there was no check so far whether the user entered two times the same password. So, typing errors of the user resulted in confusion. This problem is solved now.

- When the mIDentity software had learned two times the password dialog of a web application with different content (username or password) the logon data of the second learning procedure could not correctly be used in former mIDentity versions. This problem is fixed now. (By pressing ALT-F10 the user can select the logon data to be used.)

My Data Safe

- The stability of the Secure Data Storage was optimized. For example, the current version eliminates the stability problems which could occur when copying bigger files (> 5 MB) from one Secure Data Storage to another one on Windows XP SP1 systems.

Other improvements

- If the mIDentity device was firstly plugged onto the PC without inserted smart card, after the device was unplugged and finally plugged onto the PC with inserted smart card, the mIDentity device was not recognized by the system in former versions. In former versions it was necessary to reboot the PC or to restart the Microsoft smart card service. This problem is fixed now.
- If a mIDentity device was plugged to a Windows 2000 PC while the mIDentity Control Center software was running, and this mIDentity device was never plugged to this PC before, the former version showed by mistake the message "Please check whether the smart card is inserted"; after clicking the OK button the user could continue working without any restriction. This minor problem is solved now.
- In the former version users without administrator rights could not use all features of the mIDentity Control Center on Windows 2000 systems.
- In some cases the PC operating system (Windows XP SP1) could not recognize the mIDentity device. This problem is solved now.

1.7.2 New Functions:

My Identity

- The automatic logon is now also possible for the following applications:
  o .NET applications
  o Outlook 2003
  o Windows dial-in client
- Automatically learned password dialogs can now be modified manually afterwards. The following items can be modified:
  o Title/ name of the entry
  o Description of the entry (comment)
  o Username
  o Password (resp. number of the one-time password generator)

My Datasafe

- Data recovery feature:
  Data which is encrypted in the Secure Data Storage can now be recovered in emergency cases (mIDentity smart card damaged or lost) if initially a further certificate (additional decryption key, ADK) is configured for data encryption.
- Shortcuts to the Secure Data Storages are configurable now.

Other improvements

- The current version now also supports the suspend mode: In former versions the mIDentity device was not recognized after waking up the PC from the suspend mode, and the user had to reboot the PC (or to restart the Microsoft smart card service). This problem is solved now.[1]

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[1] On Windows 2000 PCs the mIDentity device must however be re-plugged to the PC.

- Layout improvements: Standardization of the dialogs regarding the layout.

1.8 Changes to KOBIL mIDentity 1.00 Build 20040331

KOBIL mIDentity 1.1.4 Build 20040510 has the following improvements compared with the former version KOBIL mIDentity 1.00 Build 20040331:

1.8.1 Bug Fixes:

Setup

- After deinstallation of the former version mentioned above the Microsoft smart card service was not available anymore such that smart card terminals could not be used anymore. Updating to the current version will fix this problem.
- When installing (Windows 2000) or deinstalling (Windows XP) the former version an user account "mIDentity" was created for technical reasons. This is no longer necessary, and the current setup automatically deletes the mIDentity user account if it exists on the PC.

My Identity

- Password dialogs learned under Windows 2000 can now also be used for the automatic logon on Windows XP systems and in reverse order.
- After the automatic logon to some websites the proposal was wrongly made to log on the user again automatically. This problem is solved now.
- The automatic recognition of password dialogs not learned so far was modified according to the requirements of the user: For new password dialogs the mIDentity software proposes automatically to learn the new dialog – if it is not about a web application. Whereas no such proposal is automatically made for new web applications, because in this case mIDentity users want to start the learning procedure themselves, as otherwise, they would have to refuse all the time the proposal to start the learning procedure.
It is possible to start the learning procedure of password dialogs for web applications by activating the logon window (mouse click) and pressing ALT-F11.

My Data Safe

- Mounted Secure Data Storages will be automatically unmounted when switching to another account.
- The invitation to move the mouse symbol to generate a random triple-DES-key will occur whenever you create a new Secure Data Storage.
- The stability of the Secure Data Storage was optimized.
- File security (encrypting and signing individual files or directories by a right-click to the file or directory):
  - o In the former version of mIDentity the software crashed on some PC systems if no default encryption certificate was chosen.
  - o The file security feature is more stable now.

Other improvements

- KOBIL mIDentity now also supports the platform Windows 2003 Server.
- The file security settings will be saved after program exit.
- Some PC systems did not boot anymore when the mIDentity device was inserted at the same time.
Reason 1:   Some BIOS manufacturers do not meet the SCSI 2 standard.
Solution: Update the mIDentity system software (firmware) to the current version (will be done by installaing the current mIDentity PC software version and plugging the mIDentity device afterwards).
Reason 2:   The BIOS setting "USB-Legacy-Support" is activated.

Solution: Deactivate this setting. (Please see also the FAQ list under www.kobil.com/mIDentity on this issue.)

1.8.2 New Functions:

My Identity

- The automatic logon is now also possible for web applications with frames.
- The automatic logon is now also possible for command line based applications like the DOS-box or PuTTY.
- The manual password transfer now also supported for web applications.
- The account data (passwords) are now stored highly-secure (3DES, 168 bit, encryption and decryption on the smart card).

My Datasafe

- New icons and further layout improvements.
- Shortcuts to the Secure Data Storages are configurable now.

Other improvements

- Windows 2000 with SP3 is now also supported.
- When plugging a mIDentity device the mIDentity Control Center software checks now whether the system software of the device (firmware) is up-to-date. If not, the firmware will be automatically updated if the user accepts a corresponding proposal.
- Layout improvements.

1.9 Changes to KOBIL mIDentity 0.9X

KOBIL mIDentity 1.00 Build 20040331 has the following improvements against the former version KOBIL mIDentity 0.9x (Beta Versions):

1.9.1 Bug Fixes:

Mobile Identity

- Mouse clicks are captured during password learning phase, therefore the context menus do not appear anymore.
- Automatic logon tries without user interaction do not lead to an endless loop anymore in case of a wrong password.

Mobile Data Safe

- Minor bugs fixed when creating and deleting Secure Data Storages repeatedly
- Default names and icons help to distinguish better between Secure Data Storages on mIDentity device and on the local computer's hard disk

Mobile Office

- Better comparison text for user input dialog boxes

Other improvements

- Setup is now enabled for updates: The setup can directly be applied to computers where a mIDentity software version is already installed. There is no need for a manual deinstallation anymore.
- If sub dialoges are open, the tray bar menu is blocked to avoid malfunctions.
- In all dialog boxes the cursor focus is on the first entry field and the tabulator key helps to navigate.

1.9.2 New Functions:

Mobile Datasafe

- Datasafe creation on mIDentity device massively speeds up.
- Grouping actions for datasafe functions in pull down menus.
- Better distinguish between Secure Data Storages on hard disk and mIDentity in menus.
- Secure Data Storage deletion now asks for confirmation and warns about data loss.
- Secure Data Storages can also be managed using tray bar menu.
- Secure Data Storage icons change depending on state (logged in / not logged in) in menues

Mobile Office

- If Outlook Sync data is stored in Secure Data Storage (=default), mIDentity Secure Data Storage is logged on automatically if needed.

Other improvements

- English and German language in all dialogues
- Manual also in English available.
- Card Reader malfunction is displayed as a special icon in the main GUI window

2. KOBIL mIDentity – new installation and software update

Following are some installation hints for the current KOBIL mIDentity version 1.5.2 Build 20070725.

A. System Requirements

- Windows 2000/ SP3 or SP4
- Windows XP/ SP1 or SP2
- Windows 2003 Server
- USB 2.0 or USB1.1 Port
- For Simple Sign-On with web applications:
  - Internet Explorer version 5.5 or higher

B. Software Installation

- Run the most recent Setup
- After the Setup is complete, the KOBIL mIDentity Control Center software can be started from a desktop icon.
- When you update a KOBIL mIDentity Setup with the new version, a computer restart will be required. You have to logon one more time with administrator rights in order to complete the installation properly.
- The KOBIL mIDentity Control Center application starts automatically after a new start.

C. Update specifics

- From now on (ver. 1.5.1 Beta Build 20060629) KOBIL mIDentity supports also non – ASCII character sets. This new feature required fundamental changes to most software components, therefore a special update procedure must be followed when a version older than ver. 1.5.1 Beta is installed. The previous version will be uninstalled and, after a new start, the current version will be installed.

3. KOBIL mIDentity – known issues and problems

The following problems still exist in the current KOBIL mIDentity version 1.5.2 Build 20070725:

A. Mobile Identity

- Dynamic logon dialog detection:
    - A newly created/learned account of a web application will not be detected until you re-load/refresh the web application.
    - If you come across an application which is not supported by the Single Sign On function and you believe it should be, please contact your KOBIL partner.
- Manual password transfer is not supported for many Java applications (we do support dynamic password detection in JAVA applications).
- Web sites with dynamic title bars (e.g. current time) have been supported since version 1.4.0. All such accounts created with version older than 1.4.0 have to be created again.

B. Other

- If you wanted to use smart card logon with the local or domain security policy "Smart card removal behavior: Lock Workstation" , you have to set a registry key to "1". You will find this key under:
  HKEY_LOCAL_MACHINE\SOFTWARE\Kobil Systems\KOBIL mIDentity\DoNotEjectDevice
- Hibernation mode on Windows 2000: when a PC is waking up from hibernation mode, the mIDentity device must be replugged to the PC to be recognized by the system. (On Windows XP this is not necessary.)
- Some mIDentity devices from a pilot series have a problem with firmware update. Using the tool "CorrectSN.exe", which can be found in your installation directory, solves the problem. Please make sure that your mIDentity device is inserted while you invoke the tool.
- Sometimes a user may not be aware of the fact that the smart card is locked after three wrong PIN entries.
- If you are using smart cards type CardOS, you will not be correctly informed how many times you have entered a wrong PIN.
- If you are using KOBIL mIDentity Light (formerly KAAN SIM III) and you cancel Init Wizard while initializing the smart card, the software changes the status to "ready" (yellow traybar icon), but you can't continue working. The smart card must be properly initialized.

C. Dependencies between the installed software-mode and the non-install-mode

- Java cards must be completely empty (i.e. no applet, no partial personalization) before the first use in non-install mode, otherwise the card can be unusable.
- If a mobile container is created in a "non-install" mode, and a regular certificate (not self-signed certificate) is used for encryption, the mobile container may not be accessible on a computer where mIDentity application is installed. The certificate chain is not stored on mIDentity, and therefore the certificate from the smart card is invalid on another computer. This problem can be solved by subsequent installation of the required root certificate on the computer with mIDentity application.

4. KOBIL mIDentity usage hints

Using Simple Sign-On

The following short cuts help you use mIDentity for secure logon to your applications:

- **ALT-F11:**
  If you want mIDentity device to learn a logon dialog, initiate the learning procedure
  (after the logon window is activated by a mouse-click) by pressing ALT-F11.
  For details please refer to the manual.

- **ALT-F10:**
  Usually mIDentity recognizes learned logon dialogs and you only have to confirm, that you
  want to be logged on by clicking the "Logon" button. In some cases (e.g. when working with
  terminal consoles) mIDentity does not know which of the learned logon dialogs to use.
  By pressing ALT-F10 (after the logon window is activated by a mouse-click) you will get the list
  of the learned logon dialogs and you can select the desired entry.

- **ALT-F12:**
  In some cases mIDentity can't recognize learned logon dialogs. Beside the possibility
  to press ALT-F10 (see above) you can press ALT-F12 to see a list of all
  open windows, whether they contain a password dialog mIDentity had already learned