

DESlock+ Quick Start Guide



DESlock⁺
protect your data.

Foreword

DESlock+ is accredited with the following recognised approvals and standards.



DESlock+ has been evaluated, tested and validated as compliant to the FIPS-140-2 standard under the Cryptographic Module Validation Program (CMVP) operated by NIST in the US and the Computer Security Division of the Canadian Government.



The Defence Infosec Product Co-operation Group is a UK Ministry of Defence forum aimed to provide an interface between the MoD and IT security vendors DESlock+ (V3.2.7) is recommended by DIPCOG for MoD use.



The Communications Electronic Security Group (CESG) Claims Tested Mark is a UK government standard for computer security products. Independent testing determines if a product meets the vendors claims. Successful products are awarded CCTM certification and become CESG certified products. V3.2.7

Certain features and functions of the DESlock+ software are protected by patents worldwide. Patent GB2378539, US7099478, US7471796, EU1423765, China ZL02820752.1, Israel 160709, Russia 2273959, India 231403 refers. Additional patents applied for.

DESlock+ is a Trademark of DESlock Ltd, and may not be used without their written permission. All other trademarks mentioned herein are property of their respective companies.

FIPS-120-2 Logo TM: A Certification Mark of NIST, which does not imply product endorsement by NIST, the U.S. or Canadian Governments.

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1 Introduction

1.1 Software Licence

PLEASE READ THIS CAREFULLY BEFORE YOU INSTALL AND USE THIS SOFTWARE.

YOUR RIGHT TO USE THIS PRODUCT IS SUBJECT TO THE TERMS SET OUT BELOW. BY USING THIS PRODUCT YOU ARE ACCEPTING THESE TERMS

1. DEFINITIONS

1.1 In this agreement the following words have the corresponding meanings:

“Agreement” This software licence agreement;

“DESlock” DESlock Limited (Co. No. 7875689) of 3 Heron Gate Office Park, Hankridge Way, Taunton, UK, TA1 2LR;

“Distributor” or “Reseller” Any third party authorised by DESlock to licence the product to third parties on behalf of DESlock;

“Documentation” The user manual and any other documentation supplied as part of the software's help system;

“Information” Any information or data encrypted or decrypted using the software;

“IPR” All intellectual property rights in the products (and any part of them) including without limitation the specific rights, any copyright, registered or unregistered trademarks, patents, database rights together with any applications to register the same anywhere in the world;

“Licence” A non-exclusive, non-transferable licence to use the software and documentation in accordance with the terms of the agreement;

“Products” The software and the documentation;

“Software” The software(s) entitled DESlock+ used for the encryption and decryption of electronic data;

“Specific Rights” The registered trademarks DESlock, DESlock+, patents GB 2378539, US 7099478, US 7471796, 1423765 (ES, FI, FR, UK, IE, IT, NL, DE, SE), RU 2273959, CN 02820752-1, IN 231403, IL 160709;

“Qualifying Personal User” A person using the software solely in a personal capacity for personal data only, this includes full and part time students who use the software with any information related to their studies and research and any correspondence with their school, college or other institution or any other organisation which is involved in their personal training or education;

“Corporate Users” Persons using the software with information belonging to a business or any other organisation of which the user is an employee or member of or is working for under any contractual or voluntary basis including working as self employed with the exception of correspondence directly relating to the single user such as personal contract of employment or correspondence relating to the terms and conditions of your employment.

1.2 All references to the plural shall include the singular and all references to the masculine shall include the feminine and neuter and vice versa.

2. GRANT OF LICENCE AND DESlock Ltd OBLIGATIONS

In consideration of you agreeing and adhering to the terms of this agreement, and paying for a licence, DESlock grants you a non-exclusive, non-transferable right to install and use the software for the number of Users for which you have purchased a licence. A separate licence is required for each and every User.

2.1 Qualifying personal users as defined in this agreement may use the personal edition of the software free of charge using the appropriate licence activation code provided by DESlock.

2.2 Corporate users as defined in this agreement are NOT permitted to use the software free of charge other than for initial trial and evaluation purposes or at the express permission of DESlock. See 3.2

2.3 With Corporate Site licences, the Licensee's User count may increase during the term of this licence. The Licensee is not obligated to pay DESlock Limited for increased use during the Maintenance Period while the total number of Users does not exceed an amount greater than 10% above the Initial Number of Users. At the end of the Maintenance Period, if the Agreement is

renewed then Licensee will pay the new licence fees for the added Users and Licensee will pay the renewal maintenance fees for the remaining Users. If the total number of Users has increased by more than 10% during the Maintenance Period, then the Licensee will pay DESlock Limited the new licence fees before such Software is used and based on DESlock Limited's current license fees.

3. PERMISSIONS

Subject to this agreement you are permitted to:

3.1 Load and use the software on one or more computers for your own use (in object code form only) in conjunction with the licence activation code;

3.2 Licensed Corporate Users may load and use the software on one or more computers (in object code form only) in conjunction with the licence activation code. Licensed Corporate users may also load and use the software on home computers (personal use) but without Full Disk Encryption.

3.3 Make a backup copy of the software in support of your permitted use of the software provided you clearly label the backup copy with the following notice:

© DESlock Limited – All rights reserved

3.4 Use the documentation for the purpose of providing you with assistance on the use of the software;

3.5 Transfer the products and your licence on a permanent basis to another person only if that person agrees to accept the terms of this agreement and you either transfer all copies (including the most recent update and all prior versions) to that person or destroy any copies not transferred. If you transfer possession of any part of the products to another person, your licence is automatically terminated.

4. PROHIBITIONS

You may not nor may you permit others to:

4.1 Use the software in a corporate environment or in conjunction with any information relating to a business other than your own personal data unless licensed to do so by DESlock.

4.2 Use, copy, distribute, rent, loan, lease, sub-licence, transfer or otherwise deal in the products (or any of them) except as permitted by this agreement;

4.3 Alter, adapt, merge, modify or translate the software or the documentation in any way for any purpose, including, without limitation, for error correction except with express prior permission of DESlock (which may be withheld at its absolute discretion);

4.4 Reverse – engineer, disassemble or decompile the software, activation code or software key-file;

4.5 Remove, change or obscure any identification or notices of proprietary rights (including without limit those relating to the specific rights) and restrictions on or in the products (or any of them).

5. TERMINATION

5.1 You may terminate the licence at any time by deleting all electronic copies of the software in your control together with any backup disks and returning the products together with all copies in any form to DESlock or the distributor or reseller from which you purchased the same. Any use of any copies of the products after termination of the licence is unlawful.

5.2 Your licence to use the products will terminate automatically if you:

5.2.1 Fail to comply with any term of this agreement; or

5.2.2 Become bankrupt, go into liquidation, suffer or make any winding up petition, make an arrangement with your creditors, have an administrator, administrative receiver or receiver appointed or suffer or file any similar action.

5.3 Upon termination of the licence for any reason you will delete all electronic copies of the software in your control together with any back- up disks and return the products together with all copies in any form to DESlock or the distributor or reseller from which you purchased the same. Any use of any copies of the products after termination of the licence is unlawful.

6. LIMITED WARRANTY

6.1 Subject to clause 6.2 and clause 8.4 DESlock warrants only to you as the original licensee that for a period of 12 months from the date upon which you purchased the products, the software,

when used properly, will in all material respects provide the functions and facilities as described in the documentation.

6.2 DESlock's entire liability and your exclusive remedy under the warranty given in clause 6.1 will be (at DESlock's absolute option) to either:

6.2.1 Repair or replace the products (if any) which does not conform with the warranty; or

6.2.2 Refund the price paid for the products and terminate the Licence. This remedy is subject to the return of the products with a copy of your payment receipt to DESlock not later than 14 days after the end of a period of 12 months from your purchase of the software.

7. EXCLUSION OF OTHER WARRANTIES

7.1 Subject to the express warranties given pursuant to clause 6, DESlock make and you receive no other warranties, conditions or representations, express or implied, statutory or otherwise, and without limitation the implied terms of satisfactory quality and fitness for a particular purpose are excluded. DESlock does not warrant that the operation of the products will be error free or uninterrupted. It is your responsibility to ensure that the products are suitable for your needs and the entire risk as to the performance and results of the products is assumed by you.

7.2 You acknowledge and accept that:

7.2.1 It is your responsibility to protect, maintain and backup information and data;

7.2.2 You should fully backup all information and data (including without limit any critical information and data) on your computer before installation of the software;

7.2.3 You must keep a safe record of any passwords or other information used for setting up and using the software, you must also make back up copies of all encryption keys, licence codes, key-files and other data generated to separate storage media;

7.2.4 You are responsible for the use of the products. DESlock shall not be liable for any loss, claim or damage suffered as a consequence of any unauthorised or mistaken encryption or decryption of information or data (including without limit, information) wherever and however that information or data is stored;

7.2.5 Whilst DESlock has taken all reasonable steps to ensure the integrity and security of the software, the products (or any of them) must not be used in any area which is dependent on a fail-safe level of security or is potentially hazardous or dangerous including without limitation nuclear facilities, aircraft navigation, control or communication systems, weapon and defence systems and life support or life monitoring systems;

7.2.6 It is your responsibility to ensure that the level of security and encryption provided by the products is adequate for your requirements;

7.2.7 You are responsible for your use of the products (or any of them) including without limit ensuring that such use complies with all applicable laws and regulations of the United Kingdom or such other country, region or state where the product is used. You must ensure that prior to any use of the products you have ensured that it is not in contravention of any government (in the United Kingdom or otherwise) embargo;

7.2.8 It is your responsibility to keep safe records of any information used for setting up and using the software. You must keep a safe record of any passwords or other information used for setting up and using the software. You must also make back up copies of all encryption keys, activation codes and other data generated to separate storage media;

7.2.9 DESlock shall not be responsible for any loss, damage, expense or claim arising from the loss, theft, misuse, corruption, damage or destruction of passwords, set up information, encryption keys, licence activation codes and other data generated or stored during use of the software.

8. DISCLAIMER

8.1 Notwithstanding anything to the contrary in this agreement DESlock does not exclude or limit liability for death or personal injury resulting from an act or negligence of DESlock.

8.2 DESlock will not be liable for any direct, consequential, incidental, or special damage or loss, damage or claim of any kind (including without limitation loss of profits, loss of contracts, business interruptions or loss of, unauthorised or mistaken disclosure or corruption to Information and / or data) however caused and whether arising under contract, tort, including negligence, or otherwise in respect of the products and your use of them (including without limit any "beta" product provided pursuant to clause 8.4 below).

8.3 If any exclusion, disclaimer or other provision contained in this agreement is held invalid for any reason and DESlock becomes liable for loss or damage that could otherwise be limited, such liability, whether in contract, negligence or otherwise, will not exceed the amount actually paid by you for the products.

8.4 Any products (including any supporting software, data or information) supplied by DESlock or its distributors or resellers as a “beta” product are provided “as is” and are to be used for evaluation purposes only. Under no circumstances should any “beta” product provided pursuant to this clause be used in conjunction with any confidential, critical or important information or data;

8.5 You acknowledge that the allocation of risk in this agreement is fair and reasonable in all the circumstances and that it is not within DESlock control how and for what purposes the products are used by you.

9. INDEMNITY

You will fully indemnify DESlock against any loss, damage, expense (including without limit any legal fees) or claim incurred as a consequence of you failing to adhere to any of the terms of this licence.

10. GENERAL

10.1 This agreement is the entire agreement between you and DESlock and supersedes any other oral or written communications, agreements or representations with respect to the products.

10.2 If any part of this agreement is held by a court of competent jurisdiction to be unenforceable the validity of the remainder of the agreement will not be affected.

10.3 This agreement is governed by the laws of England and Wales and the parties submit to the exclusive jurisdiction of the English court.

10.4 Except as otherwise expressly stated herein, nothing in this agreement confers any rights on any person (other than the parties hereto) pursuant to the Contracts (rights of third parties) Act 1999.

10.5 The waiver by DESlock of any breach or failure to enforce any of the terms and conditions of

this agreement at any time shall not in any way affect, limit or waive DESlock' rights thereafter to enforce and compel strict compliance with every term and condition of this agreement.

11. ADDITIONAL RIGHTS FOR CONSUMERS

The following provisions are applicable if you are purchasing the products as a consumer and by means of a distance contract. For the purpose of this clause “consumer” and “distance contract” shall have the same meaning as set out in the Consumer Protection (Distance Selling) regulations 2000.

11.1 The price paid for the products includes the cost of delivering the same to you and all applicable taxes.

11.2 The price must be paid in full before the products are dispatched to you. DESlock will use its reasonable endeavors to deliver the products to you within 14 days from the date of payment.

11.3 Notwithstanding anything to the contrary in this agreement, you have the right to cancel this agreement at any time within 7 working days from the date you receive the products. Should you exercise your right to cancel pursuant to this clause you should immediately return the products unused, undamaged and fully intact by recorded delivery to DESlock (at the address set out at in clause 1.1 (“DESlock”) of this agreement). You are responsible for the cost of returning any products no longer required pursuant to this clause. DESlock will refund any monies paid by you to DESlock within 14 days of receipt of the products in accordance with this clause (or within 30 days from the date of such cancellation whichever is the earlier).

11.4 If you have any complaints about the products or DESlock these should be reported in writing to:

Quality Manager DESlock Limited, 3 Heron Gate Office Park, Hankridge Way, Taunton, Somerset, UK, TA12LR

11.5 DESlock gives no guarantees, warranties or after sales service other than as set out in this agreement.

11.6 Nothing in this agreement will affect the statutory rights of a consumer in ‘consumer transactions’ under any applicable statute.

1.2 Getting Started

What is DESlock?

DESlock+ is a feature-rich Windows data encryption utility capable of encrypting hard drives, folders, files, data and emails. Entire disks can also be encrypted using Full Disk Encryption or Removable Media Encryption (subject to appropriate product licence).

Files can be encrypted individually or as the content of an encrypted folder, drive or compressed archive. Email messages can be encrypted directly from the Outlook plug-in, or from the Windows Clipboard.

The DESlock+ Shredder provides secure drag and drop file deletion with the additional option to securely delete the contents of the recycle bin, temporary files, Internet explorer history and other information with just a mouse click.

In a corporate environment DESlock+ can be managed using the DESlock+ Enterprise Server software. This allows complete remote management of encryption features and policy for individual workstations and users. Encryption policy can be enforced and encryption keys issued and revoked keeping data secure and preventing loss and leakage of sensitive information.

DESlock+ can also be used in standalone mode with all licenced features available to the user.

How does it work?

DESlock+ encrypts data using either an encryption key which is stored in a secure Key-File, or using a user generated password or pass phrase. Encryption keys are used in conjunction with trusted industry standard encryption algorithms to encrypt the data to be secured. Encryption keys are unique so data encrypted with a particular key can then only be decrypted with that same key.

Up to 64 different encryption keys can be generated and stored and are then available once the user is logged into DESlock+ by entering a user defined password or phrase. The number of keys that can be stored depends on the product licence type.

Encryption keys can easily be issued and transferred securely between DESlock+ users using a public / private key exchange process with no restriction on the number of users. This allows encrypted data to be accessed and shared by multiple users provided they have the appropriate encryption key.

The generation and management of encryption keys is controlled using protected settings within the users Key-File. Encryption keys can be generated, shared and backed up by the user. In addition unique, patented, key propagation methods make it possible to control the range and scope of key sharing within a workgroup.

The DESlock+ software has a number of industry accreditation's and approvals it also incorporates a FIPS 140-2 certified cryptographic core which uses the highly secure 256-bit AES algorithm for encrypting data.

DESlock+ user types:

There are two main types of DESlock+ users, Managed and Standalone.

Managed User. A Managed User is one who is under the full control of an Administrator. The Administrator controls which DESlock+ functions the user has access to and can impose a wide range of operational policy onto that user. A Managed User may not have access to all the functions described in this manual.

Standalone User. An Unmanaged or Standalone user has full control of all the options, features and usages of DESlock+, depending on licence type (Standard or Pro) purchased.

Operating System Requirements:

DESlock+ requires a minimum specification of machine to run effectively. The system should comply with or exceed the specifications listed below:

- Microsoft Windows XP, Vista, Windows 7, 8, 8.1, 10 and 10 Anniversary – 32 bit or 64 bit
- Microsoft Windows Server Editions 2003 32 bit, 2008, 2008 R2, 2012, 2012 R2

Windows Server Editions can be used but are **not** required.

DESlock+ 64 bit can be installed on Server 2008 R2 with Remote Desktop Services, allowing remote users access to core DESlock+ features such as Outlook Email Encryption, Encrypted Archives, Encrypted Files and Virtual Disks.

Other requirements:

- 64MB of hard-disk space
- 128MB or RAM
- Internet Explorer 6 or later
- Internet Access is required for the Licence Wizard
- Windows XP requires Service Pack 3, this is available from Microsoft

Important note:

Installing DESlock+ on a machine which has Terminal Services installed, **MUST** be installed from the Add/ Remove Programs applet in the Control Panel. Failure to do this will result in DESlock+ not working.

Encryption Algorithms

DESlock+ supports three algorithms to perform encryption of granular data e.g. files and folders. The Key Generation Wizard allows the algorithm type to be selected from the following.

3DES

3DES (Triple DES) is a variant form of the DES (Data Encryption Standard) algorithm, originally developed by IBM in 1974. 3DES uses 256-bit keys, giving an effective key length of 112 bits, and performs DES encryption on the data three times using these keys.

Blowfish

The Blowfish algorithm was developed in 1993 by Bruce Schneier, President of a consulting firm specialising in computer security, and author of Applied Cryptography. Blowfish is a 64-bit block cipher with a single 128-bit encryption key.

AES

AES (Advanced Encryption Standard) was developed as a new encryption standard to replace DES. Rijndael was accepted as the AES algorithm on October 2, 2000. The Rijndael algorithm was developed by Joan Daemen and Vincent Rijmen, Belgian cryptographers who gained PhDs at the computer security and industrial cryptography labs at Universiteit Leuven. DESlock+ supports AES with a key length of up to 256 bits.

Key Exchange Algorithm

DESlock+ also uses the RSA algorithm and Public Key cryptography techniques for all key transfer operations. This allows encryption keys to be securely transferred even via insecure communication channels e.g. the Internet.

RSA

The RSA asymmetric algorithm was named after Ronald Rivest, Adi Shamir and Leonard Adelman, Computer Science researchers at the Massachusetts Institute of Technology, who developed and patented the algorithm in 1977.

Full Disk Encryption

Full Disk Encryption uses a FIPS 140-2 certified AES 256-bit algorithm.

2 Quick Start Guide

Managed Users

If you are working in a managed environment you will have been provided with a Windows Installer (MSI) installation package and an activation code by your systems administrator, either as a file or on a CD. This package contains specific policy settings for you as a user and for your workstation. Managed users should refer to their systems administrator for updates if required. Software or activation codes downloaded from the DESlock+ Website will not install or function over a managed installation

If you are working in a managed environment where DESlock+ is controlled by the DESlock+ Enterprise Server software please see '*Login to DESlock+ - Managed Users*' in the main manual.

Standalone (Unmanaged) Users

To use DESlock+ you need to install the software and obtain an Activation Code. See below for details.


To Download DESlock+

Go to <https://www.deslock.com/login.php>

Register using your valid email address and your chosen password to gain access to the DESlock+ website in the future. Answer the questions with the drop down boxes and click 'Register'. You will receive a confirmation and account validation email at your registered email address.

The screenshot shows the DESlock+ website interface. At the top, there is a navigation bar with links: HOME, PRODUCTS, DOWNLOADS, SOLUTIONS, SUPPORT, NEWS, CONTACT, STORE, PARTNERS, and LOGIN/REGISTER. The main content area is divided into two columns. The left column contains a 'Login' form with fields for Email and Password, a 'Forgotten Password? Click here.' link, and a 'Login' button. Below the login form is a section titled 'Your personal information' with a note about data usage and a 'Register' button. The right column contains a 'Register' form. It starts with 'All users:' and has fields for Email, Password, Confirm Email, and Confirm password. Below this is a 'Business Users:' section with two sub-sections: 'Trial period support' and 'Product Features Required'. The 'Trial period support' section has a 'Number of users' dropdown and a 'Free telephone/email support' checkbox. The 'Product Features Required' section has checkboxes for 'Removable Media Encryption', 'Full-Disk Encryption', 'File & Folder Encryption', 'Email Encryption', 'Enterprise Server', and 'Other'. Below these is a 'Your information' section with fields for Title, First name, Last name, Job or Role, Company, Industry, and Country. At the bottom of the registration form is a checkbox for 'I accept the terms of the DESlock privacy policy' and a 'REGISTER' button.

Once you have received your validation email click on the Validation link (or cut and paste it into your browser) this will then take you to your Account page.

DESlock+PROTECT YOUR DATA

HOMEPRODUCTSDOWNLOADSSOLUTIONSSUPPORTNEWSCONTACTSTOREPARTNERSMY ACCOUNT

LicencesDownloadsBuy OnlineAccount SettingsLogout

Licences


Version 4.5.x Licences

From 1st Sep 2013, newly issued licences will be identified with a new format Product ID code and Product Key code. You will need to install DESlock+ version 4.5.0 or greater to use these codes and activate the licence. Download the latest install [here](#)

Product ID	Product Key	Quantity	Licence type	Expiry date
PVF3H-YFMPW-JVTPR-4AKH3	Reset key	1	Standard Edition Trial	2016-11-20


Purchase a full licence


[Click here to purchase a full licence](#)



Download DESlock+

[Download the DESlock+ client/server](#)



HOME - PRODUCTS - DOWNLOADS - SUPPORT - CONTACT - BUY ONLINE - PARTNERS - ABOUT US - CAREERS - LEGAL - PRIVACY

In the Download Area Select the Product type you require by clicking on the link, you will then need to select the relevant product architecture for your system.

POWERFUL, EASY TO USE
ENCRYPTION FOR YOUR BUSINESS.

DESlock⁺

eset TECHNOLOGY ALLIANCE

Client installer

Choose architecture and language for your DESlock+ client application.

Select architecture ▼ To find out what your architecture is, click here

Select language ▼

Enterprise Server



Choose all-in-one package with all prerequisites (recommended for the first DESlock+ installation) or stand-alone server installation.

Select installation package ▼


By clicking on the links within the 'Your Licence' window (see below) you can select one of the following:

- Purchase a full licence direct from the DESlock+ Website or one of our Resellers.
- Get a free trial licence for a fully functional version of DESlock+ Standard or Pro .


The different licence types available are shown below along with the feature set for each type:

		DESlock+ Mobile	Essential Edition	Standard Edition	DESlock+ Pro
BENEFITS	Protects laptops against loss or theft				✓
	Protects CD, DVD and USB storage			✓	✓
	Protects files and folders		✓	✓	✓
	Designed for secure collaboration	✓	✓	✓	✓
FEATURES	Full Disk Encryption				✓
	Removable Media Encryption			✓	✓
	DLP Go Portable Encryption			✓	✓
	File & Folder Encryption		✓	✓	✓
	Outlook Plugin		✓	✓	✓
	Text & Clipboard Encryption		✓	✓	✓
	Virtual Disks & Compressed Archives		✓	✓	✓
	Centralised Management Compatible	✓	✓	✓	✓
Mobile email, file and text encryption		✓			
 Exclusive to ESET Customers			✓		


DESlock+ Pro
Complete security for mobile working and laptop security. Features Full-Disk Encryption, protects files, folders, USB flash-drives and email.




DESlock+ Standard
Cost-effective security for desktop computers. Protects files, folders email and adds hardware-strength encryption to any USB flash drive.




DESlock+ Essential
Entry-level business product exclusively for a newly combined suite of solutions that will become available through ESET and its partners during 2013



DESlock+ Mobile
Complements the full Windows® product by providing the means to read, reply to and create encrypted email messages and attachments.



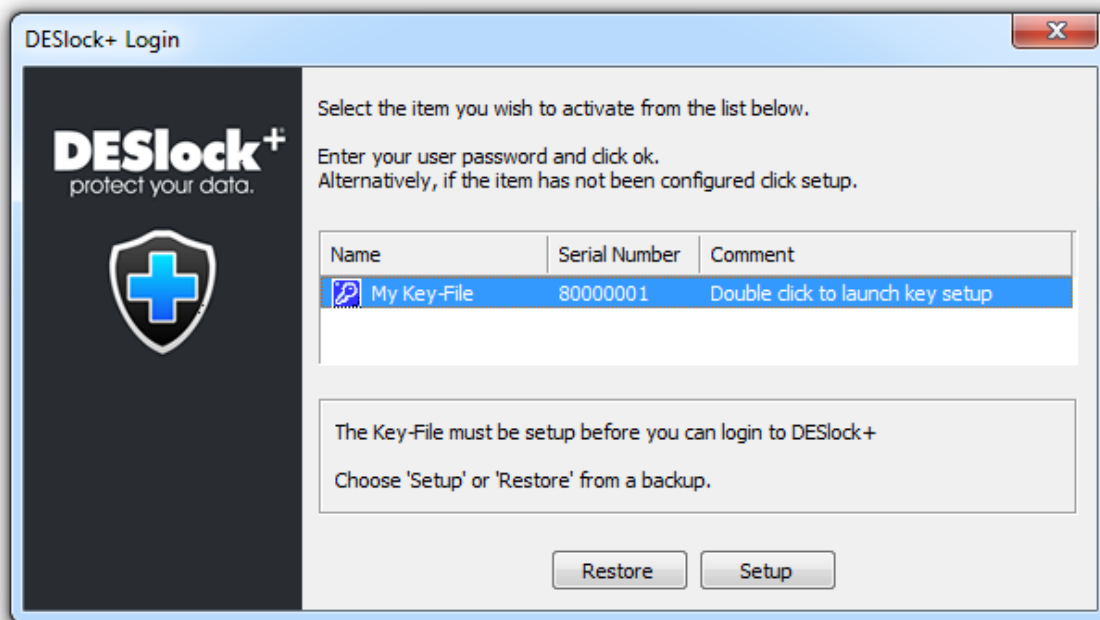
DESlock+ Enterprise Server
Designed to deploy and manage encryption for users and workstations on a very large scale, no other tool reaches as far or wide.



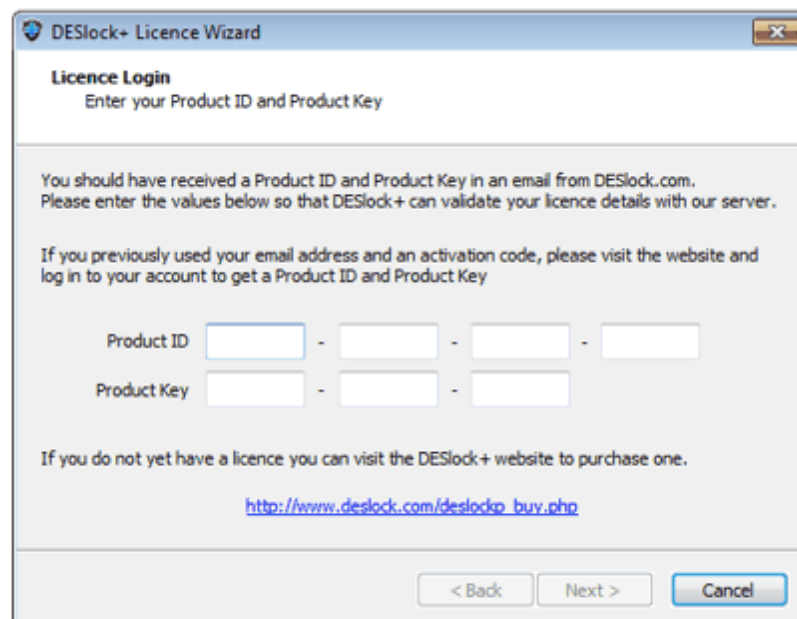
Install the software. Start the installation by double clicking the downloaded file, and follow the steps, providing information as needed.

Alternatively, you may have been provided with an MSI software installation package or a CD containing the software, if so, follow the instructions provided with it.

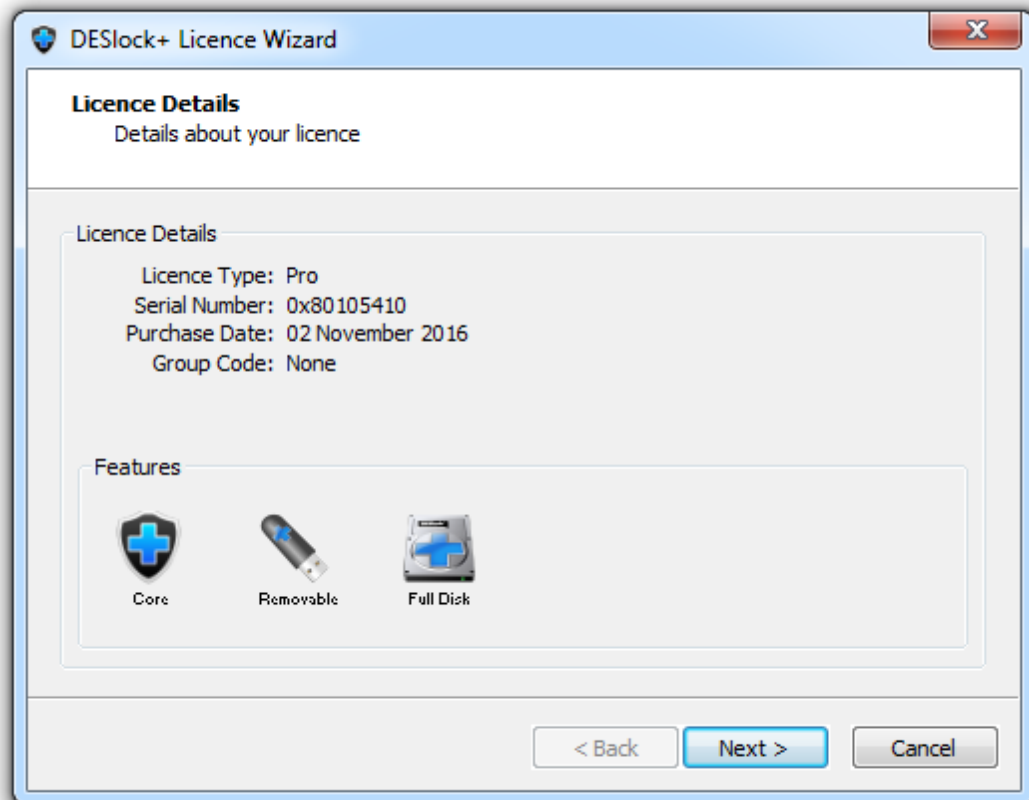
The last action for the installation is a system restart. When the computer has restarted, the DESlock+ login screen will be displayed as below. Click 'Setup'



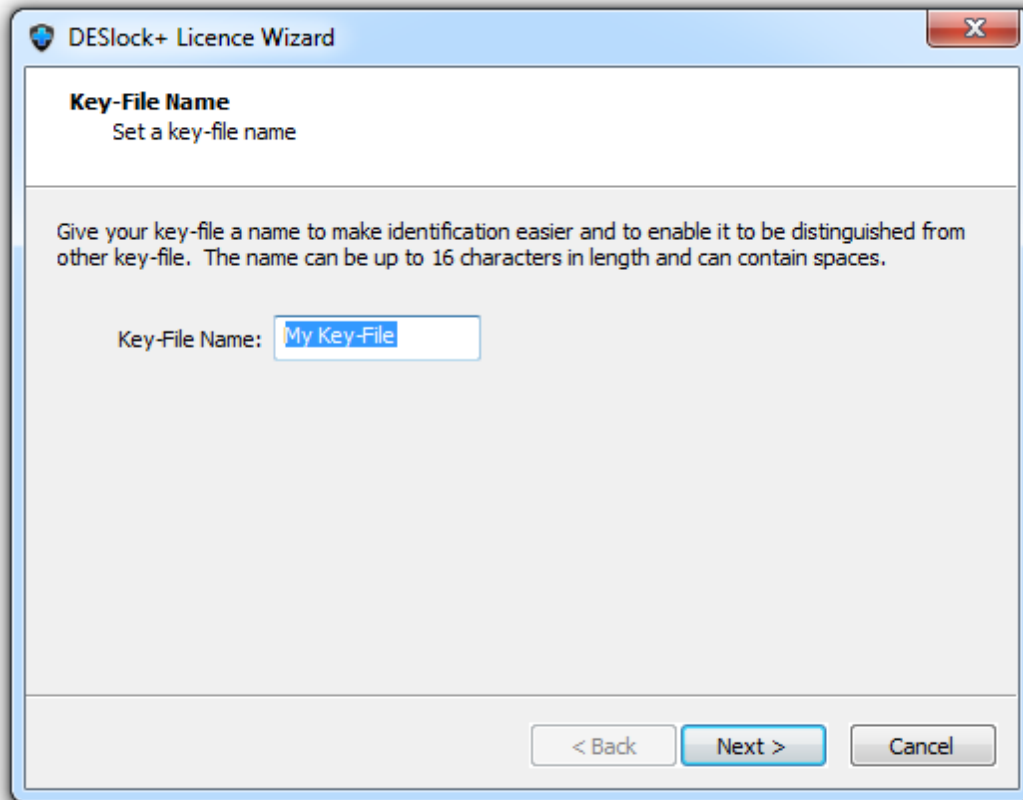
You now be presented with the Licence Wizard, click 'Next' and you will see the window below. Enter the Product ID and Product Key that was emailed to you and click 'Next'



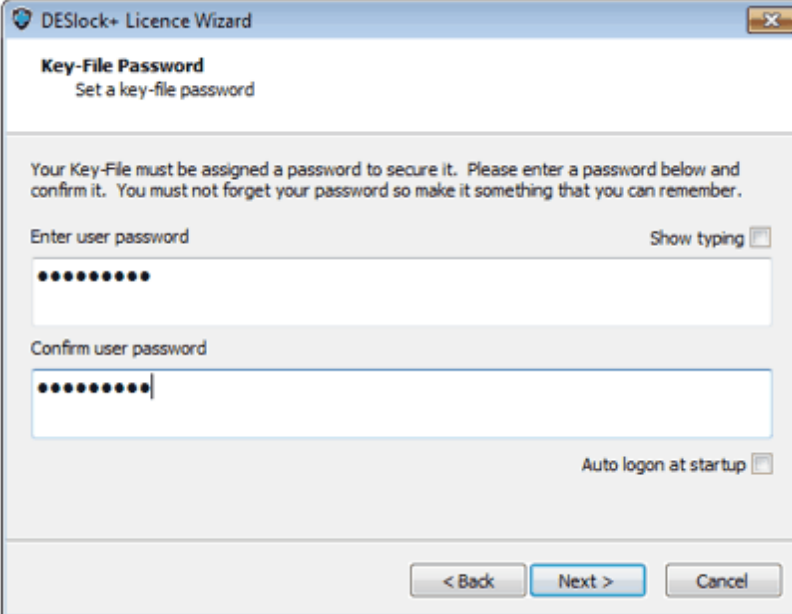
You will now see the Licence Details wizard which will look similar to below depending on the licence which you have bought. If you have a Standard licence, the 'Full Disk' icon will be greyed out with a red cross over it and if you have a essential licence, both the 'Removable' and 'Full Disk' icons will be greyed out with a red cross over them. Click 'Next'



You will next see the Key-File name window, supply an appropriate name for your Key-File and click 'Next'. The following window will now be displayed where you will be prompted to supply a Key-File password and then confirm the password.



Please note that it is advisable to either make a note of this password or select a password which you will not be able to forget. If you do forget your password, it cannot be retrieved and any data encrypted with the Key-File associated with this password will not be able to be accessed or decrypted.



The image shows a Windows-style dialog box titled "DESlock+ Licence Wizard". The main heading is "Key-File Password" with the subtitle "Set a key-file password". The text inside reads: "Your Key-File must be assigned a password to secure it. Please enter a password below and confirm it. You must not forget your password so make it something that you can remember." There are two password input fields. The first is labeled "Enter user password" and has a "Show typing" checkbox to its right. The second is labeled "Confirm user password". Both fields contain masked characters (dots). At the bottom right, there is an "Auto logon at startup" checkbox. At the bottom, there are three buttons: "< Back", "Next >", and "Cancel".

DESlock+ Licence Wizard

Key-File Password
Set a key-file password

Your Key-File must be assigned a password to secure it. Please enter a password below and confirm it. You must not forget your password so make it something that you can remember.

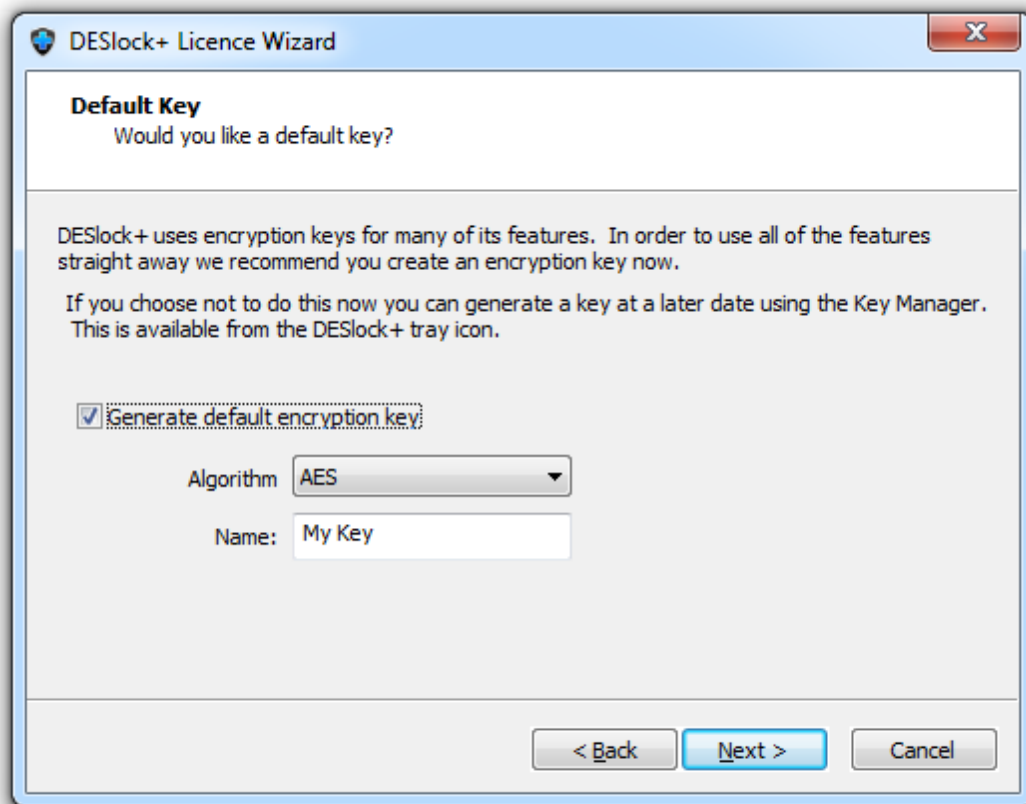
Enter user password ☐ Show typing

Confirm user password

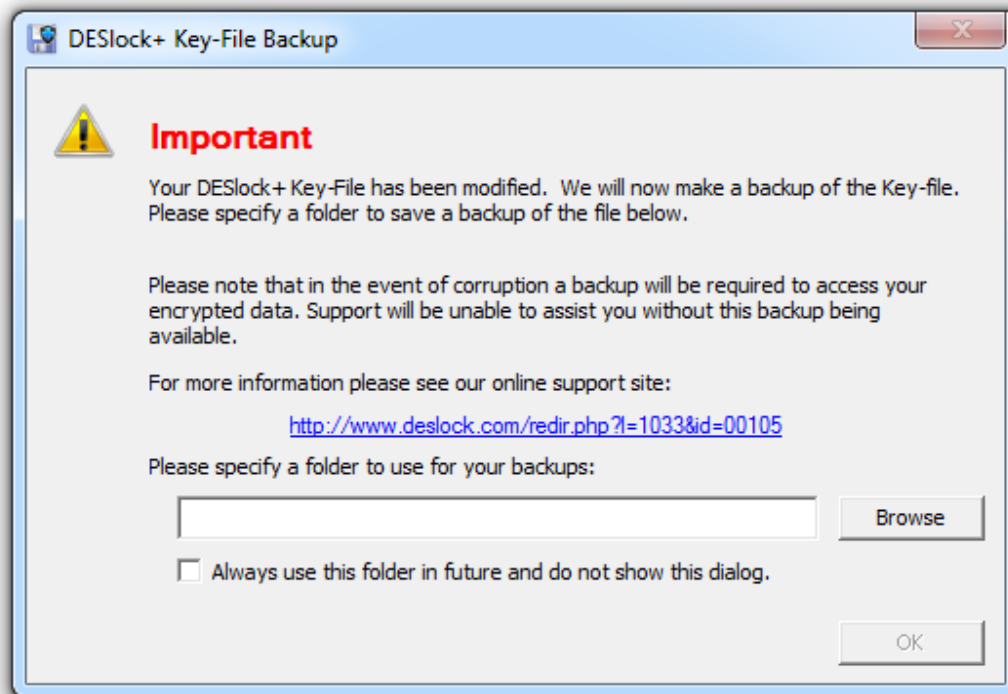
Auto logon at startup ☐

< Back Next > Cancel

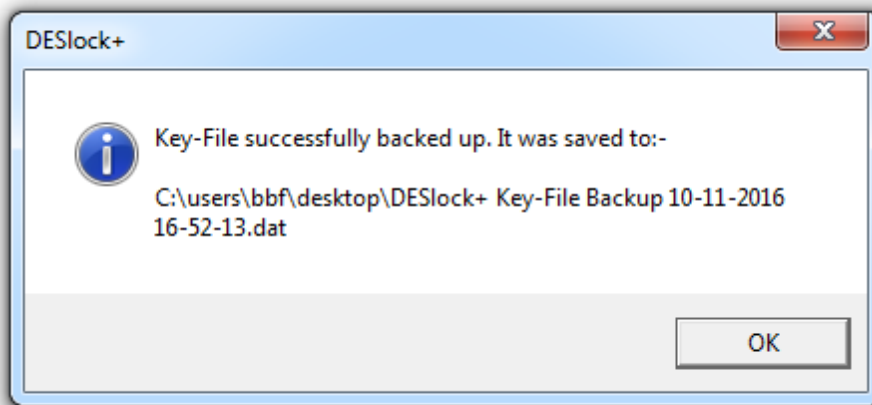
You will be given the option to 'Generate a default encryption key' by having a tick in the relevant box as seen below, you will be able to select the algorithm (AES, Blowfish or 3DES) which you wish to apply to your default encryption key from the drop down box and you can name the Key appropriately. Click 'Next' and then click 'Finish'



Finally, you will see the window below where you will be required to make a Key-File Backup. This is in case your Key-File is accidentally deleted or your machine becomes corrupt. By making a Key-File backup, you can re-install DESlock+ and click the 'Restore' button and restore your Key-File from your backup so that you can gain access to encrypted removable media drives, files, folders, emails, archives, virtual disks etc.



It is advised that at least two backups are taken in two different locations which are not on the machine on which DESlock+ is installed (i.e. a removable media drive or a network drive) so that they can be easily accessed if required. Click the 'Browse' button and select an appropriate location. You should now see a window confirming that the Key-File was successfully backed up.

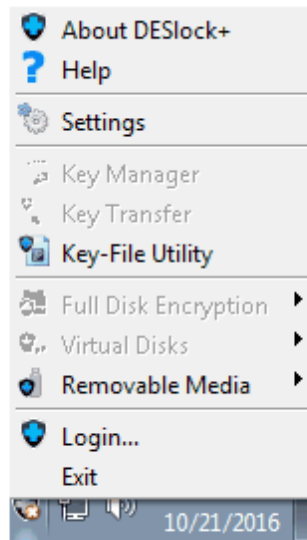


DESlock+ is now setup and you can start to use the various features of DESlock+.

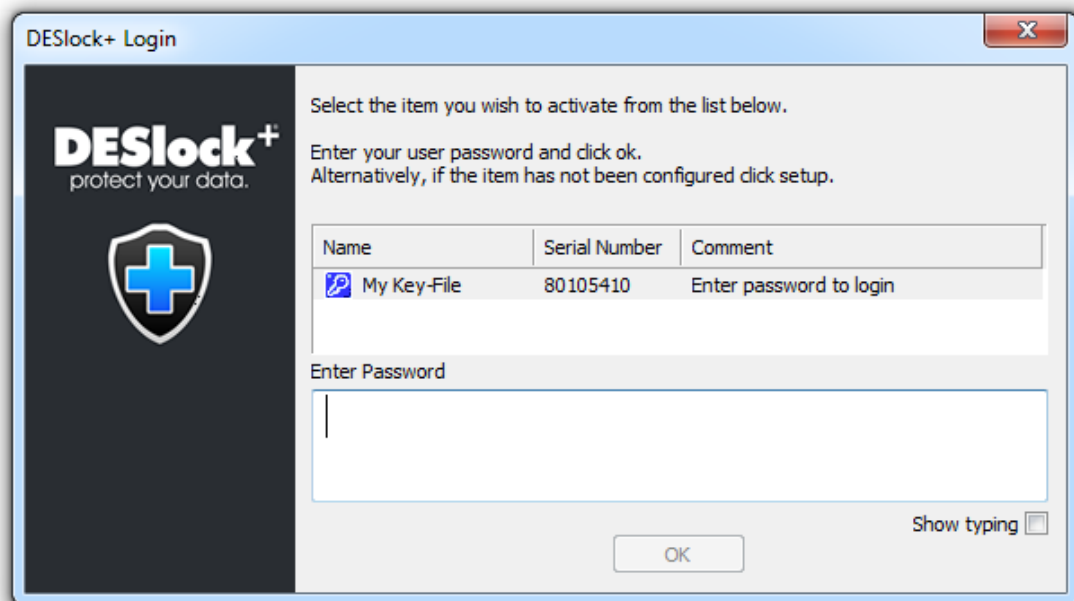
You can now log into DESlock+ for the first time. DESlock+ will initially be disabled, denoted by a grey icon, with a red cross in the System Tray (see below).



Right-click, or double click on the DESlock+ status icon in the System Tray and select 'Login' (see below).



The DESlock+ Login box will now be displayed. Enter the correct password and click 'OK'. Note - this is the Key-File password you entered at stage 15 above.



The DESlock+ icon in the System Tray will change to blue signifying that DESlock+ has been enabled



DESlock+ is now ready for use

For advice on how to protect your data please read the chapter on Basic Encryption in the DESlock + Help file or the User Manual.

2.1 Encryption

DESlock+ is a feature rich data encryption utility which can be used to encrypt complete hard disks, removable media, folders, individual files, sections of text plus emails and attachments. It can also be used to create virtual encrypted disks, encrypted file archives and also has the ability to securely delete data so that it cannot be retrieved.

Each of the basic encryption functions are described below. From each subject you can link to the relevant section for a full description and step by step guide to using each feature.

The features available are controlled by the software licence (via an activation code). If you are working in a managed environment the features available to workstations and users are controlled by the system's administrator via the DESlock+ Enterprise Server software.

Full Disk Encryption

With full disk encryption the entire capacity the computer's hard drive will be encrypted. This will include all the data and programs stored on it. Once the initial process of encrypting the hard drive has been completed a user will need to login to the computer when it is first switched on, known as pre-boot authentication, using a password. Once logged on the computer will operate as normal with all data and programs being available. However, the computer cannot be accessed without the login password. Full disk encryption therefore gives the best protection of data stored on a portable device as if it were stolen it would be impossible to access the data without the correct password. If the hard disk was removed and used with another computer the contents of the disk would still remain encrypted and completely inaccessible.

For a quick guide see the Full Disk Encryption - Quick Guide section.

For a 'how to' guide see the Full Disk Encryption section in the main manual.

Folder Encryption

With folder encryption the contents of a folder, including any sub-folders, is encrypted. Any new files or folders created within the folder will also be encrypted. If you drag and drop in a file or folder it will be encrypted and if you drag out a file or folder it will be decrypted. Provided that you are logged into DESlock+ files within an encrypted folder will open and save as usual. If you are not logged into DESlock+, the files within the folder will remain encrypted and programs will either not be able to access the files, not be able to recognize them, or the files will open but will show encrypted data. DESlock+ can be set to hide all encrypted folders when not logged in so they are invisible to DESlock+.

For a quick guide see the Folder Encryption - Quick Guide section.

For a 'how to' guide see the Folder Encryption section in the main manual.

File Encryption

With file encryption a single file is encrypted. To be able to access the file you will need to decrypt it. This method is often used to secure files while they are transferred by email, CD/DVD, memory card / stick etc.

For a quick guide see the File Encryption - Quick Guide section

For a 'how to' guide see the File Encryption section in the main manual.

Virtual Disks

DESlock+ can be used to create a virtual disk drive that is encrypted. When the file is 'mounted' (accessed through DESlock+) it will appear and function as an additional hard disk on your computer. As with folder encryption, any files and sub folders on the virtual drive will be encrypted, as will any files added to the virtual drive. Anything removed from the drive will be automatically decrypted.

For a quick guide see the Virtual Disks - Quick Guide section

For a 'how to' guide see the Virtual Disk Manager section in the main manual.

Encrypted Archives

An encrypted archive is similar to a Zip file - its a method of compressing data (one or more files or folders) to save disk space, but with the added bonus that the data is encrypted. Again, as you add or remove files they are automatically encrypted or decrypted. When the archive is opened, you can use the files within it normally.

For a quick guide see the Encrypted Archives - Quick Guide section

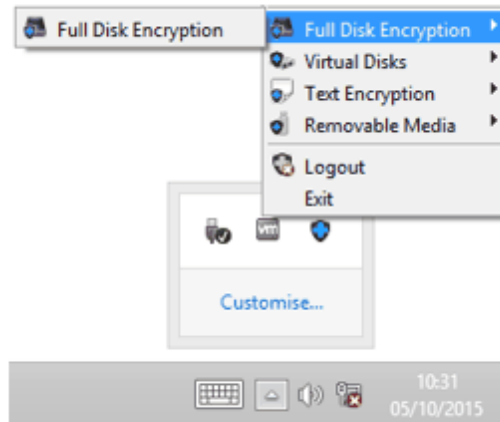
For a 'how to' guide see the DESlock+ Archive section in the main manual.

The different methods of encryption have their advantages and disadvantages. Full disk is easiest of all to use and is the most secure, but, everything on your computer is encrypted - you forget your password (and the admin password) and you cannot run your computer. Folder encryption is simple to use, but the unwary could leave plain data available, as it relies on you always saving to a specific folder. File encryption is good for transferring data by email or memory device, as are archives, but both require user action. Virtual disks (and archives) are very secure, as they appear as a single block of encrypted data with no discernible files.

2.2 Full Disk Encryption - Quick Guide

To start encryption please follow the steps below:

- Ensure you have a current backup of the disk, ideally a sector level backup, before initiating this process
- Ensure you have installed DESlock+ and setup a Pro licence
- Right-click the DESlock+ Icon in the system tray. Select the Full Disk Encryption\Full Disk Encryption menu



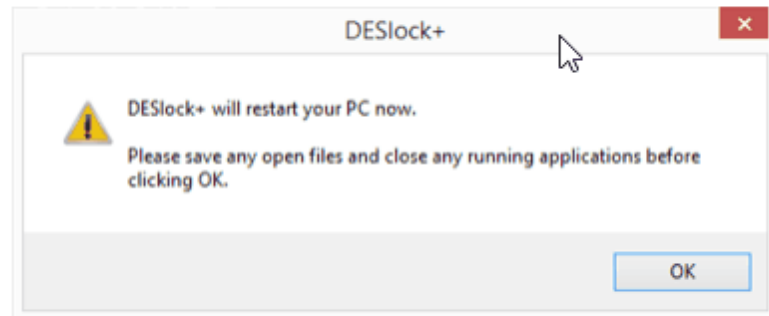
In the DESlock+ Full Disk Encryption dialog click the Manage Disks button.



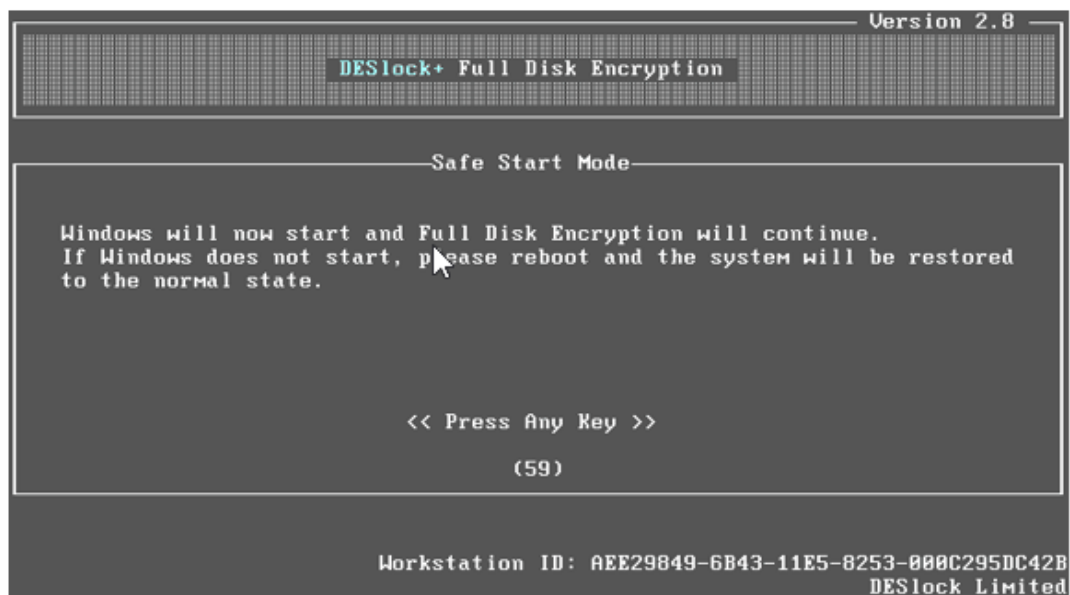
Click the Finish button to allow the system to restart and verify the system boots using Safe Start.



A warning will appear explaining Windows will restart. Ensure you have saved your work then click OK to allow the system to restart.



When the machine restarts you should see the Safe Start count down screen, you can either wait 60 seconds or press a key.



When Windows loads login to DESlock+. Providing the safe start process was successful a dialog will appear explaining it was successful. Click OK to continue.



If you are using a tablet or other touch interface device you may receive a warning at this point that a USB keyboard will be required to start the machine once it is encrypted. Click OK to continue. Select the Whole Disk or partition to encrypt. Then click the Next button.



A dialog box will appear detailing that you should have a backup before proceeding. Click the checkbox Check to confirm and continue then click Next.



The admin password will be displayed on screen. It is vital that a backup of this password is taken. You will need this to manage or decrypt the system in the future and it can be useful as an extra emergency login should the normal passwords be forgotten. Click the Save to File button to save a copy of the admin password. You will need to specify a storage location that is not on the system i.e. removable or network storage. You can also optionally print a copy of the admin password. Once the password has been saved, enter the admin password into the Confirm password entry then click Next.

The screenshot shows the 'Configure Admin User' window in the DESlock+ Full Disk Encryption application. On the left is a logo with a blue cross on a shield and the text 'DESlock+ protect your data.'. The main area contains the following text and fields:

Configure Admin User

Admin Password: o7a305f6tUjRagCS

You must make a note of the administrative password as this will be the only way to access the workstation if you forget your user password. It is spelt phonetically below for your convenience.

oscar SEVEN alfa THREE ZERO FIVE foxtrot SIX tango UNIFORM juliett
ROMEO alfa golf CHARLIE SIERRA

You must save the password to a removable or network drive before you can confirm it, you can also print it out to keep in a safe location.

The password file should be kept on non-encrypted media.

Buttons: Save to File, Print

Confirm Password: o7a305f6tUjRagCS

Navigation buttons: < Back, Next >, Cancel

Enter your username and password to use with the system then click Add to add this to the user list. This information will be required to start the machine in the future so you should make certain you know what values are chosen. You can also add further logins for other users with different passwords as required. Click Next once you are happy with the user list.

The screenshot shows the 'Add at least one normal user' window in the DESlock+ Full Disk Encryption application. On the left is the same logo as the previous window. The main area contains the following text and fields:

Add at least one normal user, up to a maximum of 126.

These are the users that will normally perform pre-boot authentication.

#	Username	Password
1	tim	*****

Username: [text box]

Enter Password: [text box]

Confirm Password: [text box]

☐ Show Passwords

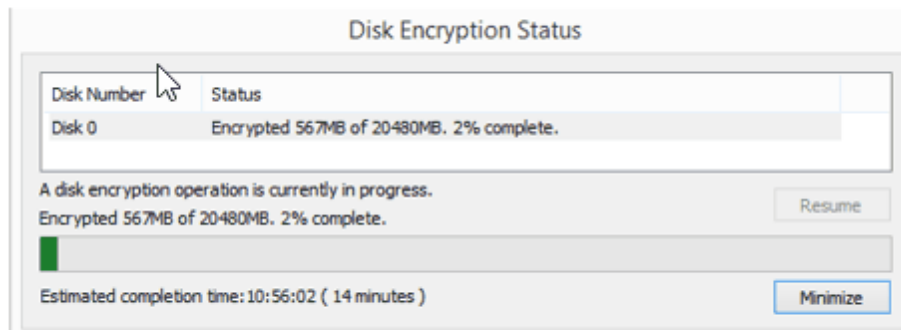
Buttons: Add, Remove

Navigation buttons: < Back, Next >, Cancel

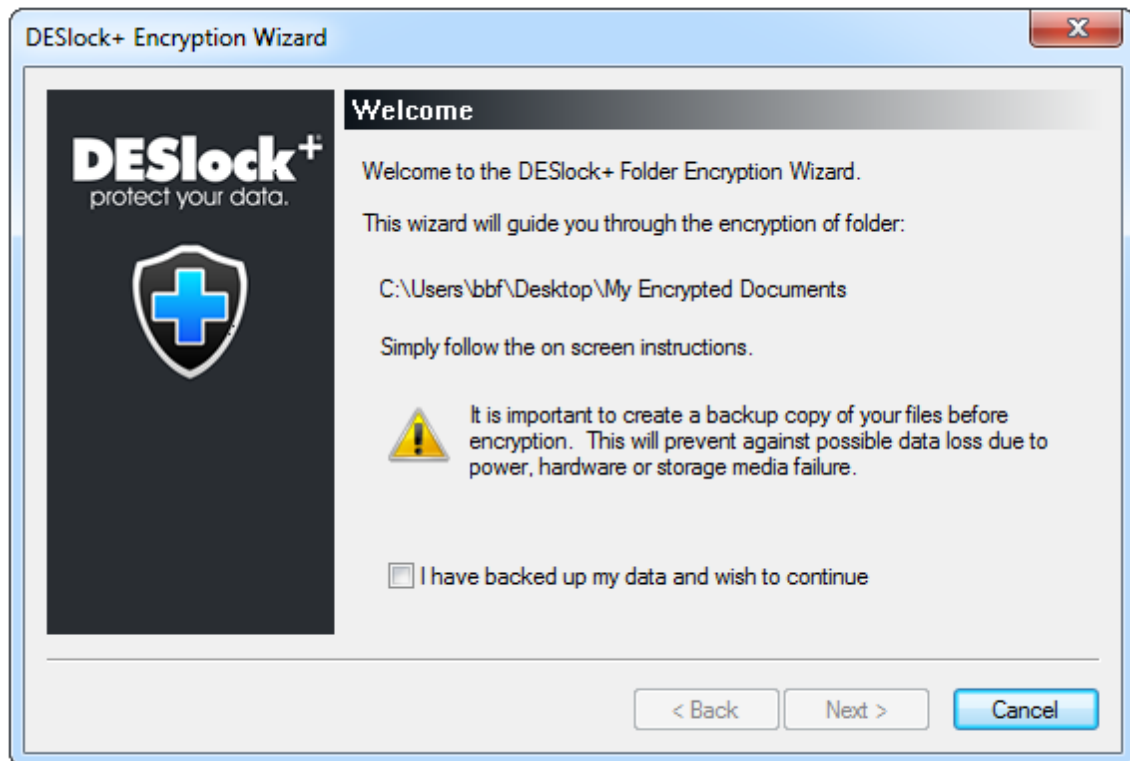
Set the check box labeled Check to confirm the above information is correct. Then click the Next button.



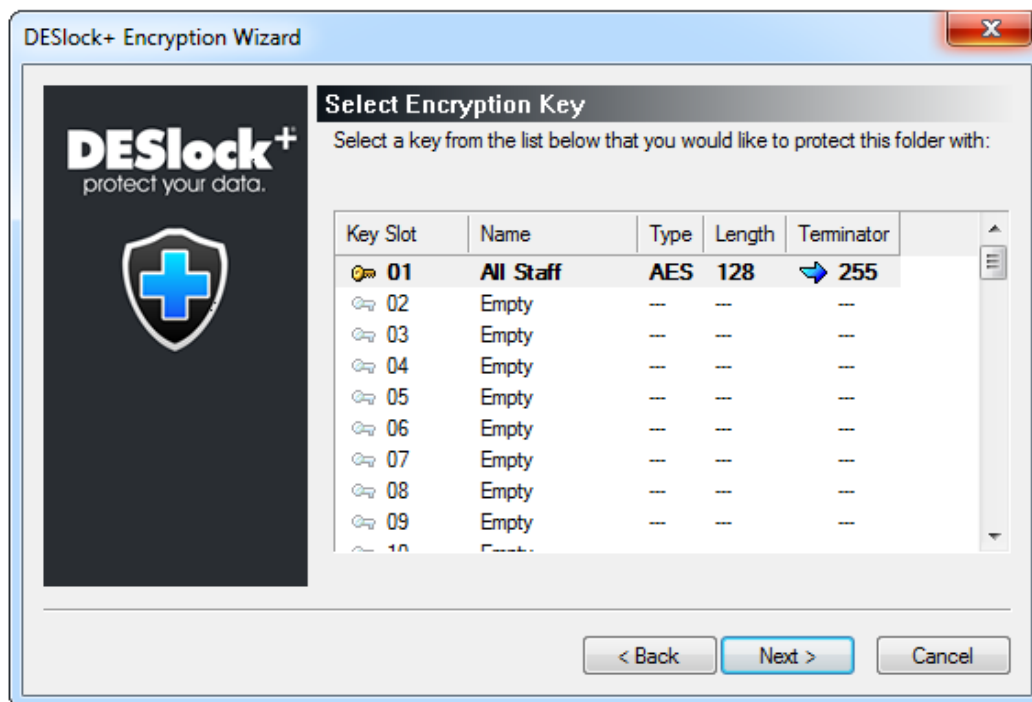
A progress bar will appear detailing the encryption progress.



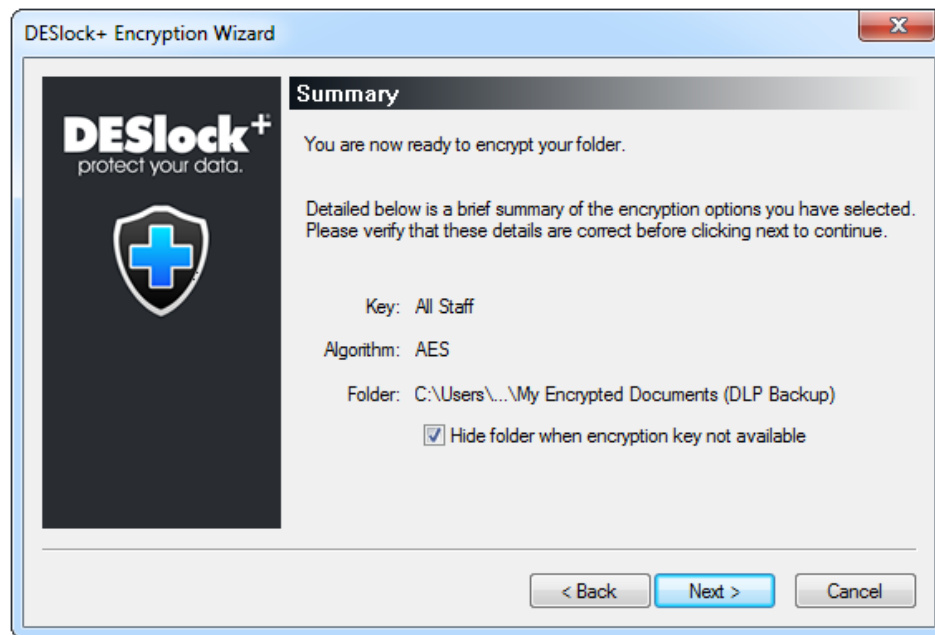
The machine can be used while encryption is progressing. You can restart, shutdown etc. as normal and the encryption process will resume when Windows loads. Once encryption has completed a notification will pop up indicating this.



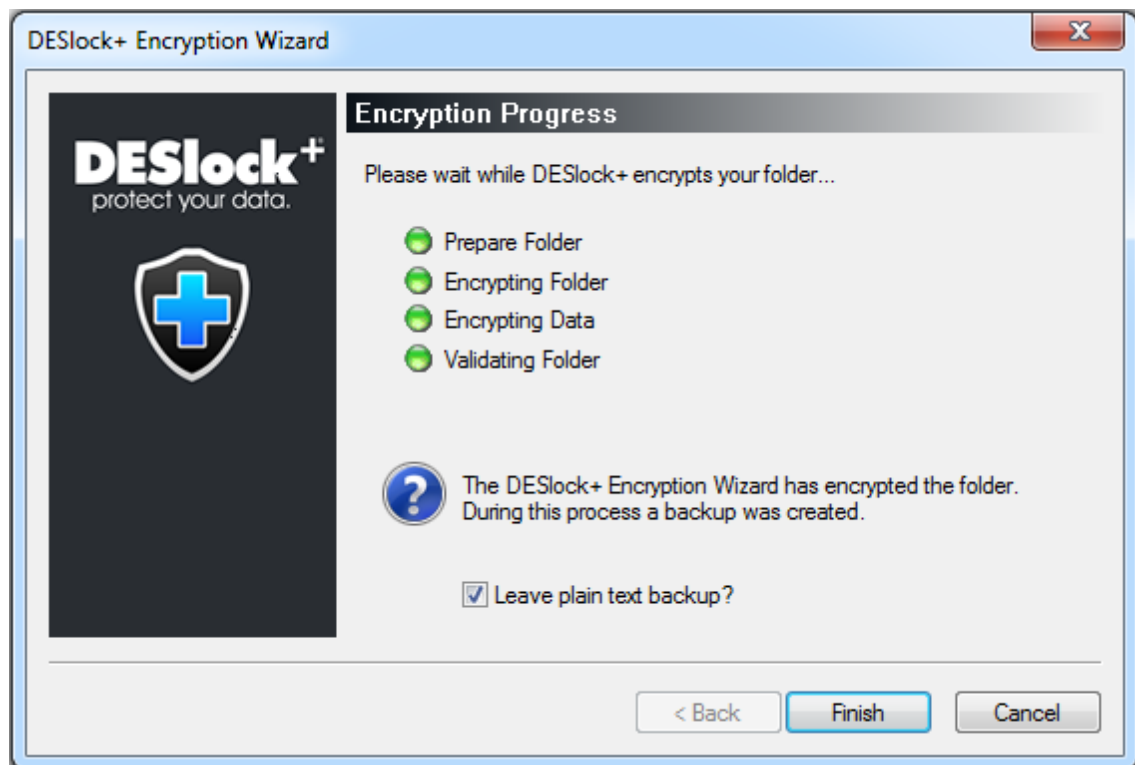
If you have a backup the folder's data has already been created, place a tick in the box next to 'I have backed up my data and wish to continue' and click 'Next'. If no backup has been taken, it is advised to do so before proceeding.



Select the key with which to encrypt the folder and click 'Next'. Please note that at this point, if only one encryption key exists, this will be selected by default, the last window will be bypassed and the following window will be displayed.



If it is preferred that the folder is to be hidden when either logged out of DESlock+ or in the eventuality that the key that was used to encrypt the folder is deleted from the Key-File, then leave a tick in the box next to 'Hide folder when encryption key not available' and click 'Next'. Otherwise, click the box to remove the tick and click 'Next'.



The folder will now become encrypted once 4 green lights are displayed. If a plain text (not encrypted) backup of the folder which has just been encrypted is required to be available, then leave a tick in the box and click 'Finish'. Otherwise, if the folder is to be solely encrypted, click on the box next to 'Leave plain text backup?' to clear the tick and click 'Finish'.

Once the folder has been encrypted, any files copied to, moved to or created in the folder, including sub folders, will be automatically encrypted and protected. Note that an encrypted folder will have the following icon.

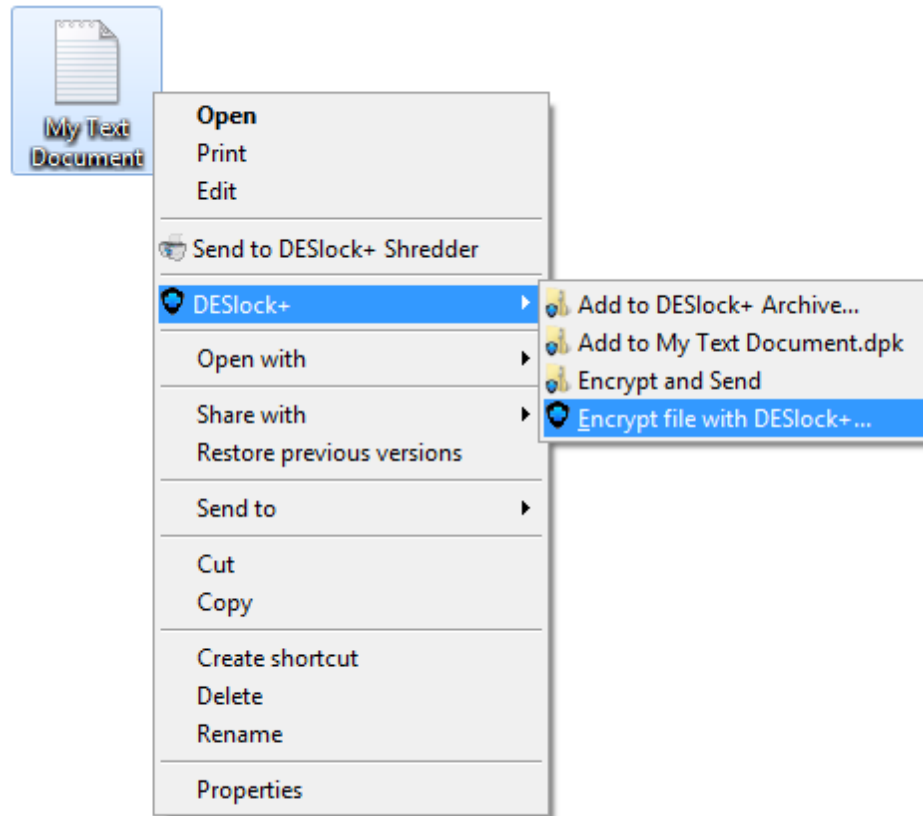


File Encryption - Quick Guide

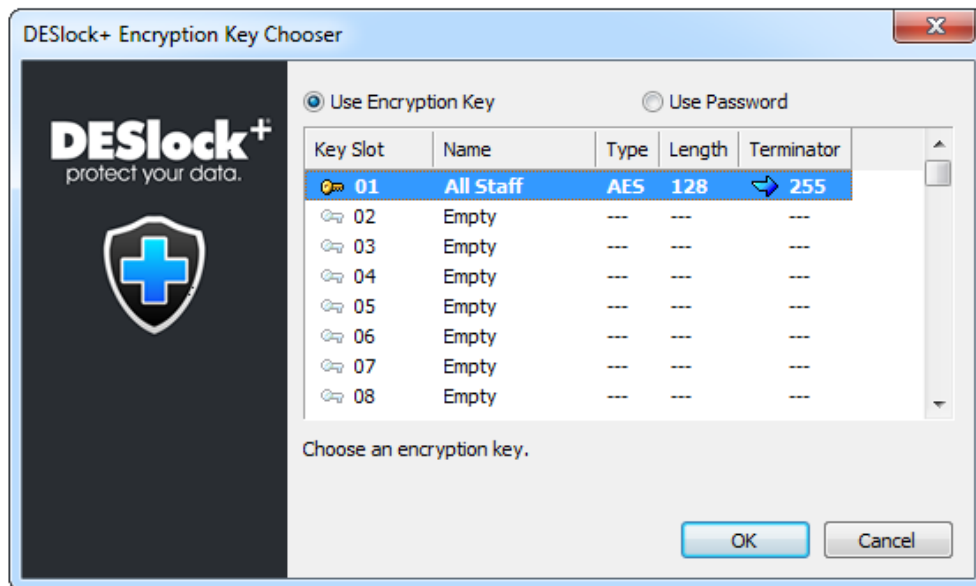
With DESlock+ installed it is possible to encrypt individual files. Encryption can be performed by using encryption keys or (if your Group Policy allows) entered passwords.

To encrypt an individual file please follow the steps below:

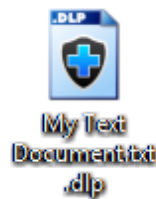
- Right-click on the file you wish to encrypt.
- From the context menu select DESlock+\Encrypt with DESlock+...



You can choose to encrypt the file using an Encryption Key or a Password.



The encrypted copy of the file will be created in the same location as the original folder. Encrypted files have an extension of .dlp and will have a DESlock+ shield icon.



2.4 Encryption Keys and Key-Files

Keys

Encryption of data is performed through the use of encryption keys. The key is used to scramble the data in such a way that it can only be unscrambled using that same key. You can keep the only copy of a key, or you can share it with others, as many times as you like. If you share a key, any holder of that key can decrypt any data you have encrypted with it.

Key-Files

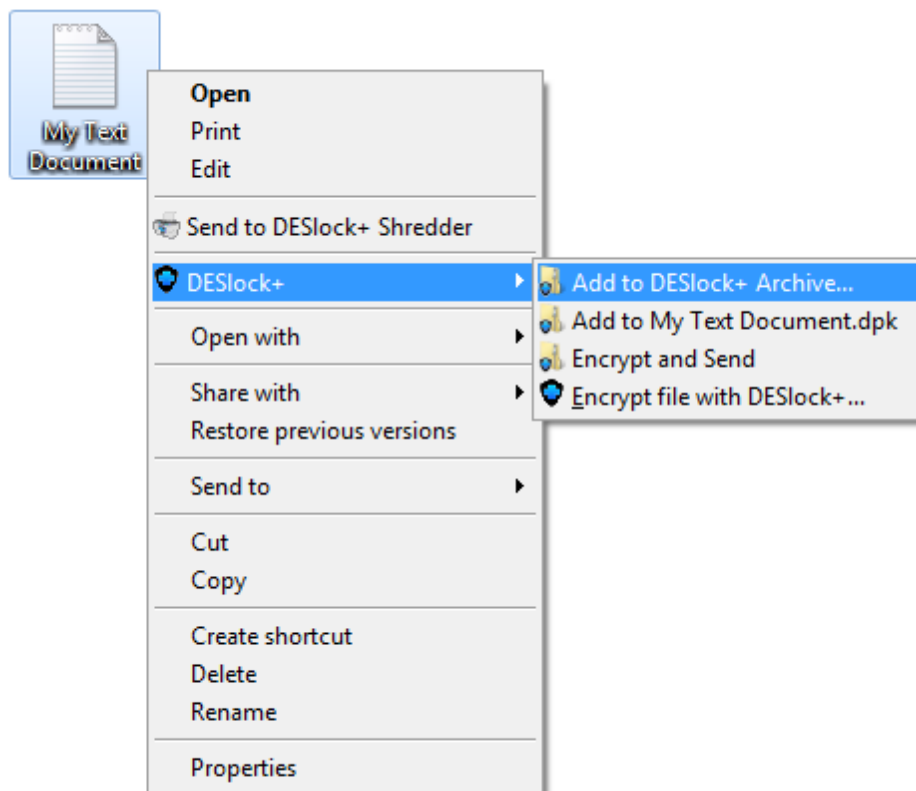
Each key is kept in a Key-File (a bit like a key ring). Key-Files can hold several keys (up to 64, depending on your licence type). While a single user may only need one key, any environment where you have a requirement to share data securely with another user, you may need more than one key. The Key-File allows you to have a single place where your keys are kept.

2.5 Encrypted Archives - Quick Guide

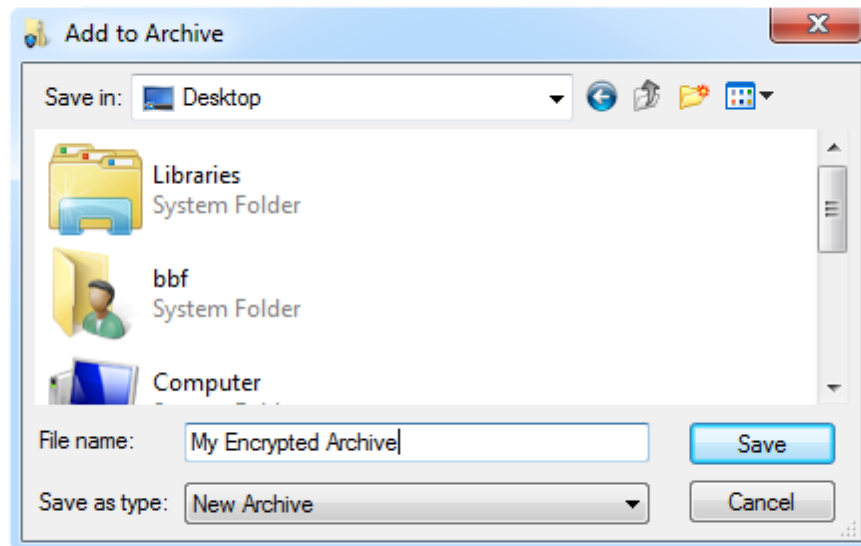
DESlock+ Archives are used for compressing and storing sensitive data. A DESlock+ Archive is very similar to the way that a ZIP folder works. All data stored inside the Archive will be Encrypted with either an Encryption Key or a password

How to create a DESlock+ Archive

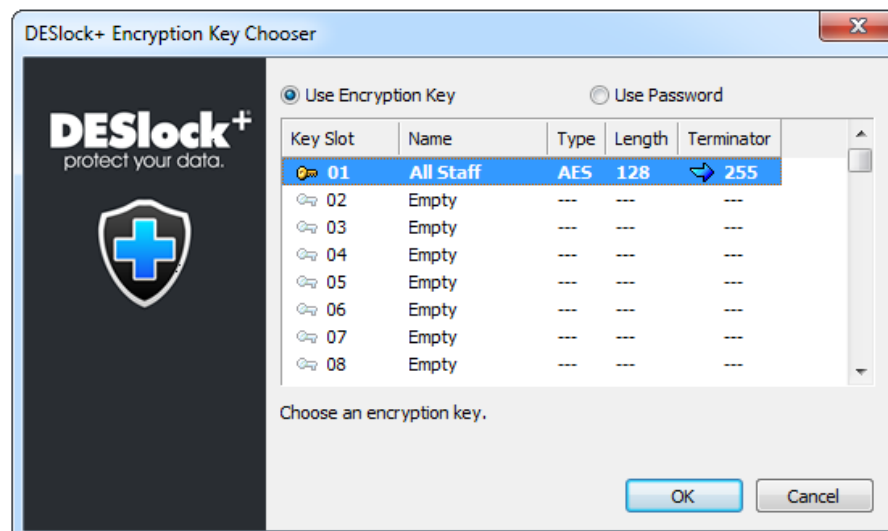
Locate the file that you would like to store inside an Encrypted Archive. In this example we will add 'My important document' to a new DESlock+ Archive. To do this, Right-click the file and select Add to DESlock+ Archive...



Select a location and choose a name for your DESlock+ Archive and click Save. In this example we have chosen the Desktop and the name 'My Encrypted Archive'.



Choose either an Encryption Key or enter a password. In this example we will use a password.



After choosing an Encryption Key or a password the DESlock+ Archive will save in the location

specified. This Archive will contain the file you originally Right-clicked and selected Add to DESlock+ Archive...



After the DESlock+ Archive has been created, the original file will still exist as a plain file (non-encrypted). If you want to permanently and securely delete this file, then please use the DESlock+ Shredder.

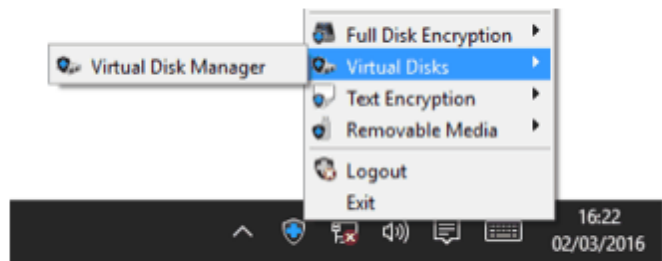
For more information see the DESlock+ Archive section of the main manual.

2.6 Virtual Drives - Quick Guide

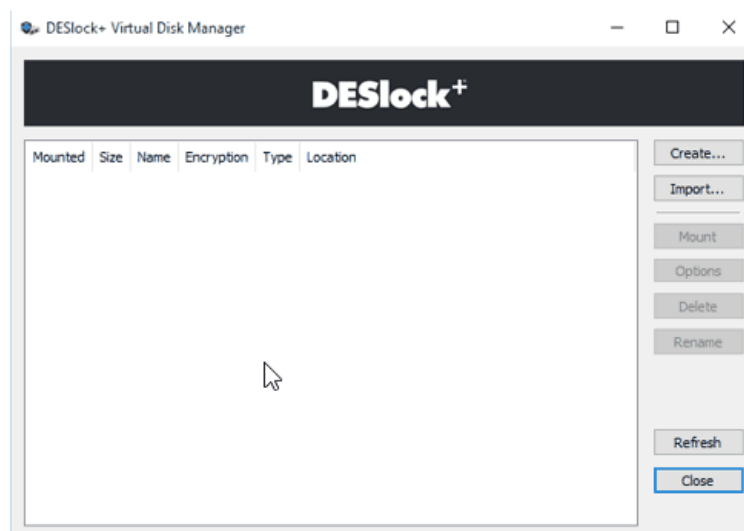
Virtual disks are encrypted containers which provide access through a mapped drive letter to the files contained within. You must specify a maximum size for the encrypted container when it is created.

Creating a New Virtual Disk

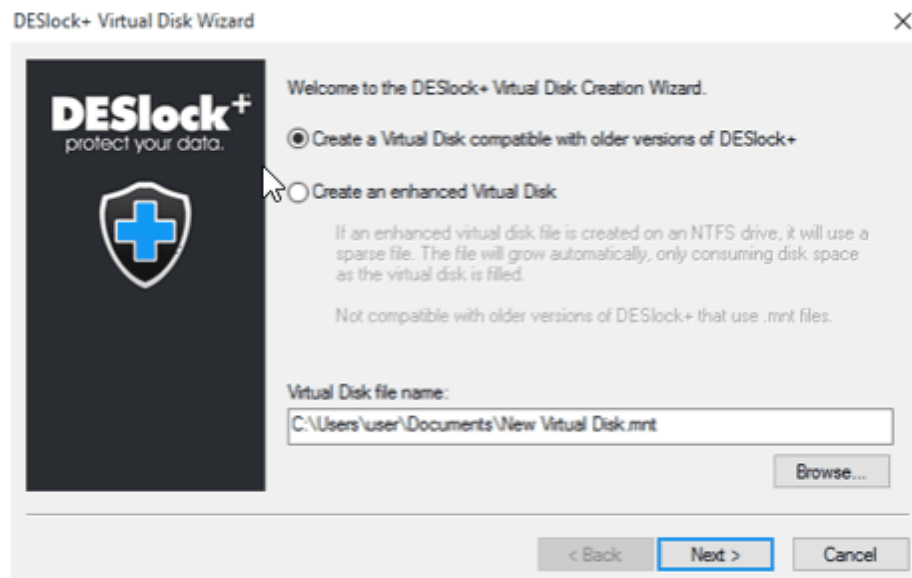
- Ensure you are logged in to DESlock+.
- Right-click on the DESlock+ icon in the notification area.
- Select Virtual Disks\Virtual Disk Manager.



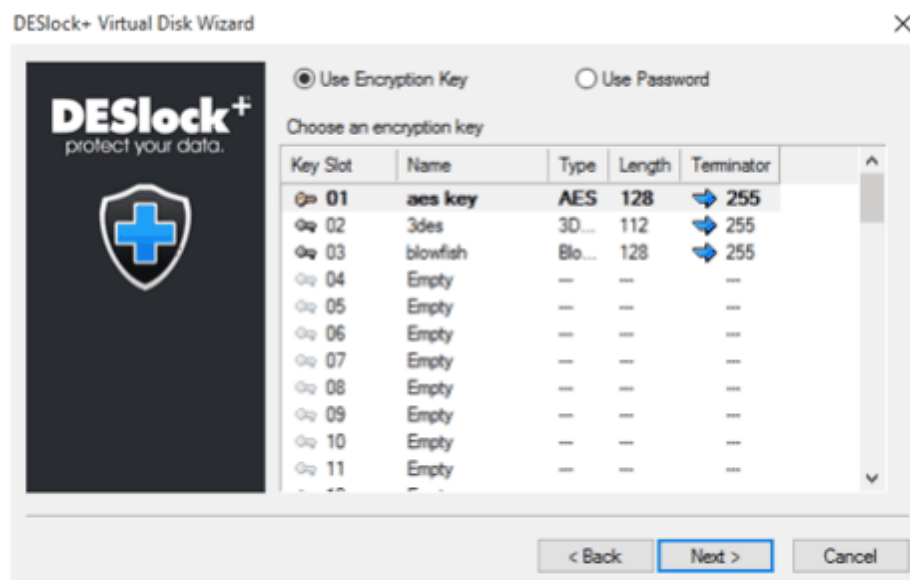
Click the Create button.



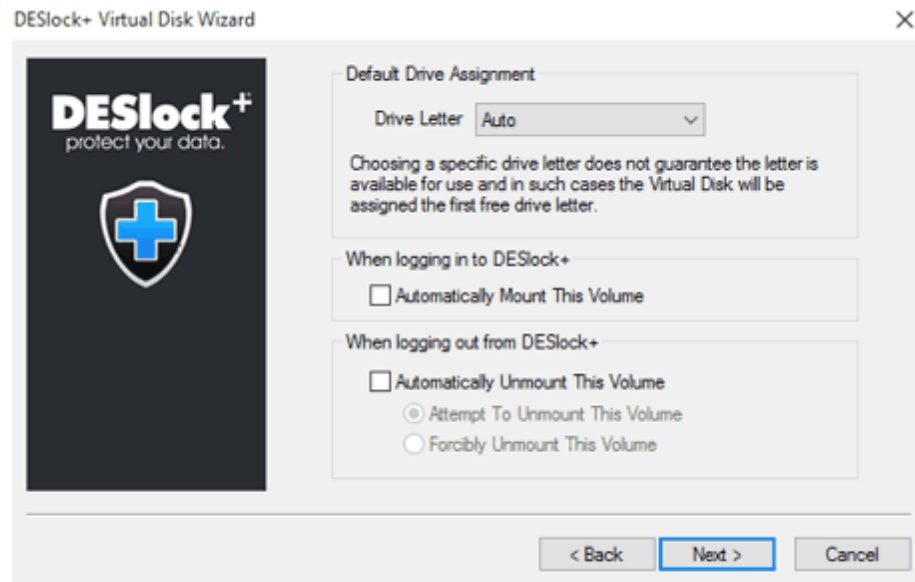
Select the style of Virtual Disk to use, either enhanced or compatible.



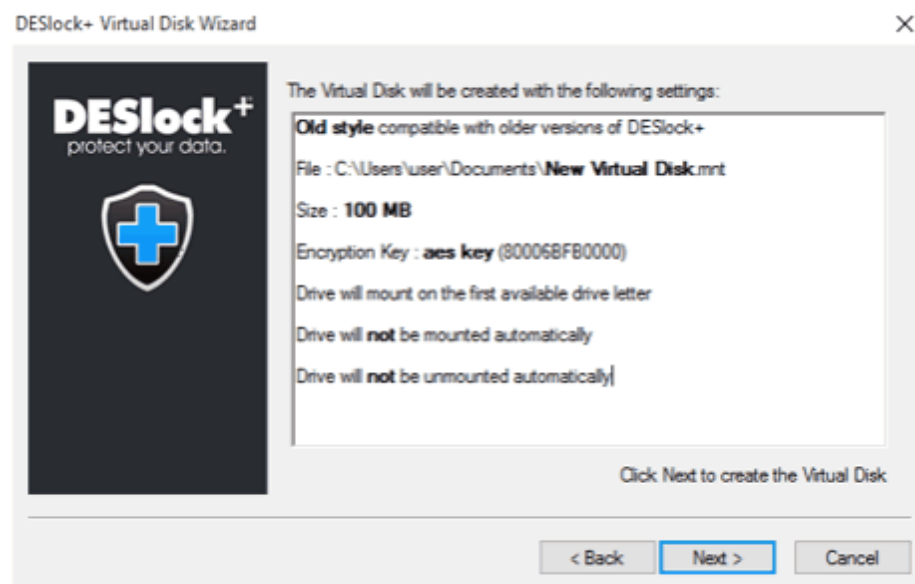
Click Browse and select the destination path to save the newly created virtual disk. Click Next then select either an Encryption Key or Password to use for encryption then, click Next.



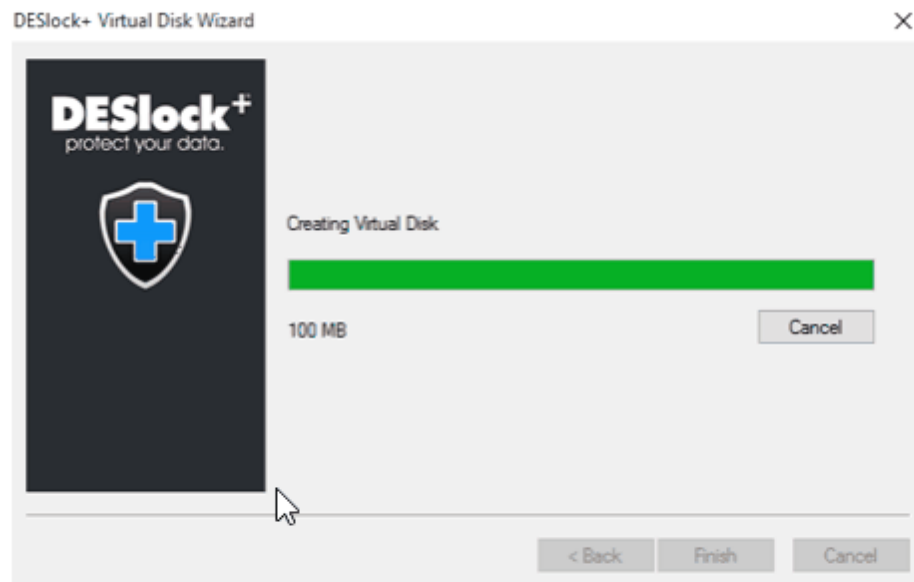
Drives can be automatically set to mount or Unmount as you login/logout of DESlock+, configure the options as required then click Next.



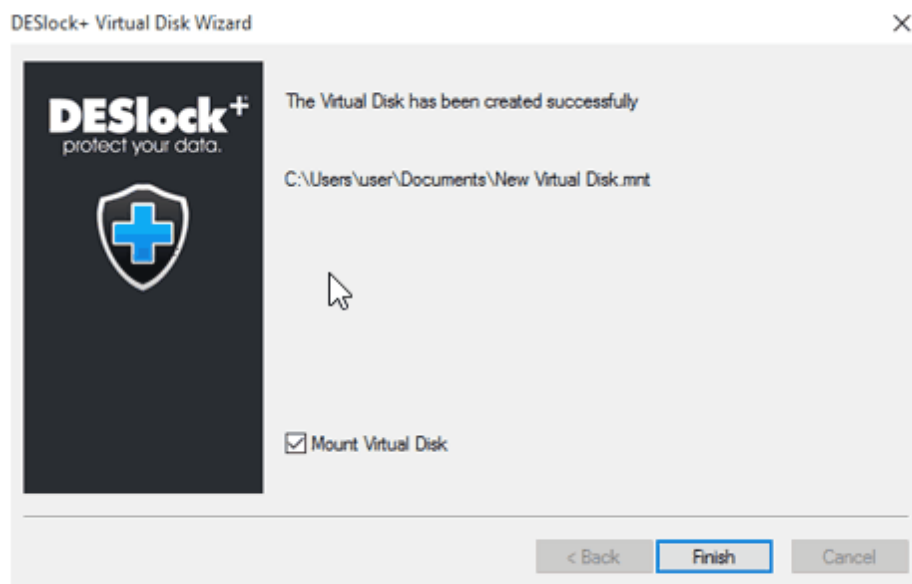
An overview of the selected choices will be displayed, click Next to create the Virtual Disk.



A bar will display the progress of the creation process.



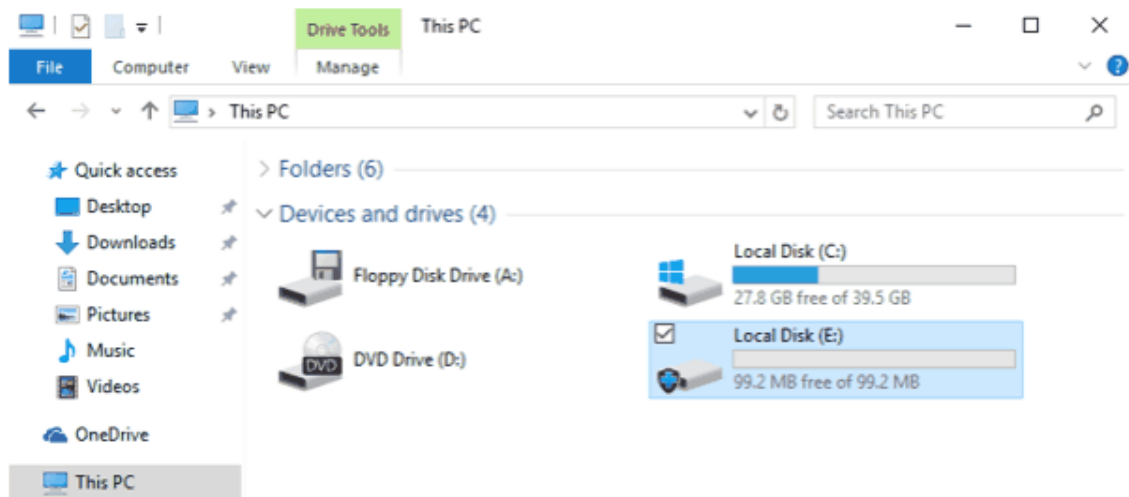
Once the process has completed leave the check box Mount Virtual Disk checked if you wish to access the new Virtual Disk straight away, then click Finish.



The drive letter used to access the container is displayed within the Virtual Disk Manager interface, in our example Windows has assigned the letter E: for access.



You will see the mapped drive letter with a DESlock+ shield icon within Windows Explorer.



All data written into the mapped drive letter is encrypted.

2.7 Managed and Unmanaged Users

Managed User: A Managed User is one who is under the full control of an Administrator. The Administrator defines which DESlock+ functions the user has access to and can impose a wide range of operational policy onto that user. Managed users are controlled through the Enterprise Server and licensed through Vouchers, purchased by the Administrator, which are then supplied to the user. For more details of Managed Users and the Enterprise Server please refer to the Enterprise Server Manual or contact DESlock Ltd.

Managed users may not have access to all the features and functions of DESlock+. Managed users will have program and policy updates supplied by their Administrator, and cannot update from the DESlock+ website.

Unmanaged User: An Unmanaged or Stand alone user has full control of all their options, features and usages of DESlock+. Licences for standalone users are purchased direct from DESlock Ltd and registered to their own email addresses. Standalone licences may also be purchased by an Administrator using the Voucher system, and either supplied direct to the user from the DESlock+ website (User managed Licence), or supplied to the user by the administrator (administrator managed licence).

What am I? A user can identify if theirs is a Managed installation with the appearance of the Enterprise Server Icon in their system tray.

2.8 Support Details

If this help file has not answered your question, or you are still unsure of how to use DESlock+, or you have an unresolved problem or questions, please select one of the links below:

www.deslock.com - General information, new versions, press releases.

[eSupport](#) - To resolve Technical issues, or for more detailed information on the product.

[Knowledgebase](#) - To search our existing knowledgebase of useful articles.

[DESlock+ Sales](#) - To Email our sales team.
