A. USB Portable Storage Device (PSD) Encryption Procedure

After installing McAfee Endpoint Encryption software to your Windows PC, you can perform encryption to the USB PSD.

For encrypting a USB PSD for a Mac PC user, please ensure the USB PSD is using FAT32 file system. If not, you can re-format the USB PSD again.

Encryption Sharing ReadyBoost Customize General Tools Hardware Image: State of the system File system: FAT32 Used space: 4,096 bytes 4,096 bytes 4.00 KB Free space: 7,758,376,960 bytes 7,758,381,056 bytes 7.22 GB Restore device defaults Volume label My USB Format options Our control of the system Our control of the system Our control of the system Free space: 7,758,381,056 bytes 7.22 GB Capacity: Type: Our control of the system Our control of the system Format options Our control of the system Format options Our control of the system Our control of t	MY USB (E:) Prop	perties	×	Format MY USB (E:)	×
General Tools Hardware Image: Comparison of the system Image: Comparison of the system Image: Free space: Fr	M Encryption	Sharing ReadyBoost	Customize	Capacity:	
File system: FAT32 Used space: 4,096 bytes 4,096 bytes 4,096 bytes 7,758,376,960 bytes 7,758,381,056 bytes 7,758,381,056 bytes 7,758,381,056 bytes 7,758,381,056 bytes Drive E:	General	Tools	Hardware	7.24 GB	~
Type: USB Drive File system: FAT32 (Default) Used space: 4,096 bytes 4,096 bytes 4.00 KB Free space: 7,758,376,960 bytes 7,758,381,056 bytes 7.22 GB Capacity: 7,758,381,056 bytes 7,758,381,056 bytes 7.22 GB Drive E: Image: Capacity in the second s	MY	USB		<u>F</u> ile system	
Type: USB Drive File system: FAT32 Used space: 4,096 bytes 4.00 KB Free space: 7,758,376,960 bytes 7.22 GB Capacity: 7,758,381,056 bytes 7.22 GB Drive E: Drive E:				FAT32 (Default)	~
File system: FAT32 Used space: 4,096 bytes Free space: 7,758,376,960 bytes Capacity: 7,758,381,056 bytes Capacity: 7,758,381,056 bytes Drive E: Quick Format	Type: USB	Drive		NTFS	
Used space: 4,096 bytes 4.00 KB Free space: 7,758,376,960 bytes 7.22 GB Capacity: 7,758,381,056 bytes 7.22 GB Volume label My USB Format options Drive E:	File system: FAT3			exFAT	
Free space: 7,758,376,960 bytes 7.22 GB Capacity: 7,758,381,056 bytes 7.22 GB O 0 0 Drive E: Image: Comparison of the space of the	Used space:	4,096 bytes 4.	00 KB	1	
Capacity: 7,758,381,056 bytes 7.22 GB Volume label My USB Drive E: Quick Format	Free space:	7,758,376,960 bytes 7.	22 GB	Restore device defaults	
My USB Drive E: Image: Construction of the second s	Capacity:	7,758,381,056 bytes 7.	22 GB	Volume <u>l</u> abel	
Drive E:				My USB	
Drive E:				Format options	
		Drive E:		Quick Format	
	69				
Chart Class				Ctest	Class
		OK Consel	Apply		Close

II) When the USB PSD is inserted into the computer, you will see the pop-up message.



III) Click "Yes" to continue the encryption process.
 Or click "No" to stop the encryption process. The USB PSD will become read only because the PC will not allow writing any data to an unencrypted USB PSD.

NOTE:

- Initializing a USB PSD by the DLP software with data is not recommended. Data stored on USB PSD before DLP software initialization will not be protected. If your USB PSD inserted contains data, click "No" to quit.
- 2. DLP encrypted USB PSD is supported on Mac OS X of the following versions
 - High Sierra 10.13.x
 - Sierra 10.12.x
 - El Capitan 10.11.x
 - Yosemite 10.10.x

Enter "**Volume label**", size of the Encrypted Area and password for the device. The maximum length of characters allowed for volume label is **11** characters.

The size of encrypted area should be the free space available less 0.05GB. For example, if the free space shown is 7.45GB, the size of Encrypted Area to be entered should be 7.40GB.

Drives	MY USB (E:) 7.22 GB	
1Y USB (E;)	Volume label:	JSB
	Encrypted Area	
	Enter Size of Encrypted Area:	7.17 GB
	Used Space:	0.00 GB
	Free Space:	7.22 GB
	Authentication	
	Password Credential	
	Password:	
	Confirm:	
	Certificate (auto unlock)	
	Encryption key (auto unlock)	

Note:

- 1. Suggested format of the volume label of the encrypted USB PSD
 - DDDMMMUUXNN
 - DDD: Department/Office/Work Unit code
 - MMM: Machine code
 - UU: User code
 - X: Usage
 - NN: Number

The suggestion is for ease to differentiate the USB PSD, password recovery and use of password

- Guideline for volume name of USB PSD
 - <u>O</u>wn use : For personal use only
 - <u>**G**</u>roup use : For private group use only
 - <u>Public use</u> : For public group use

– Example : ITSSTKJLO01

The USB PSD is encrypted by machine "<u>STK</u>" and for <u>John Lam's own</u> use in "<u>ITS</u>" department.

IV) Click "Initialize" and wait until the encryption is completed.

Drives	MY U 7.22 GB	SB (E:)			
/IY USB (E:)	Volume <u>l</u> abel:		MY USB		
	Encrypted Area				
	Enter Size of Enc	rypted <u>A</u> rea:		7.17	GB
	Used Space:			0.00	GB
	Free Space: 7.22 G		GB		
	Authentication				
	Password Cre	dential			
	Password:	•••••			
	Confirm:	•••••	••		
	C <u>e</u> rtificate (au	ito unlock)			
	Encryption key	(auto unlock)			
	Creating new volume	3			

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V) Click "**Yes**" to continue and complete the initialization.

Drives	Drive is encrypted by FRP	
MY USB (E:)	Volume label: MY USB	
	Encrypted Area Enter Size of Encrypted <u>A</u> rea: <u>Used Space:</u> McAfee Removable Media Protection × initialization is complete	7.17 GB 0.00 GB 7.22 GB
		72e Close

VI) The USB PSD is encrypted now and ready for read/write access.

$ \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \!$	drives (3)	
	OS (C:)	Data (D:)
	59.1 GB free of 136 GB	50.7 GB free of 92.3 GB
	MY USB (E:)	
	7.15 GB free of 7.15 GB	

B. Encrypted USB PSD Access Procedure

- 1. On the computer you perform encryption to the USB PSD (in the same login profile)
- I) Insert the encrypted USB PSD into the computer.
- II) You can access the files inside USB PSD without password authentication.
- 2. On another PC with DLP data encryption software installed or on the computer you perform encryption to the USB PSD (but in different login profile)
- I) Insert the encrypted USB PSD into the computer.
- III) Type the password in the pop-up message box.

McAfee File and Ren	novable Med	dia Protection - R	emovable Media 200° y
Auth <u>P</u> assword:	entication rec	uired for volume №	1Y USB (E:)
	OK	Cancel	Eorgotten Password

IV) If no pop-up message appears because the "auto-run" feature is disabled for USB device for your computer, run "MfeEERM.exe" manually from the USB PSD.



- V) You can then access the files as usual.
 - | 🗹 📜 = | Drive Tools MY USB (E:) × File Home Share View Manage 0 🖈 📑 🚺 🔏 Cut 🚾 Copy path Pin to Quick Copy Paste access Paste shortcut to to to to Clipboard Open Select Organize \leftarrow \rightarrow \checkmark \uparrow \checkmark MY USB (E:) V ひ Search MY USB (E:) Q Demo 🗸 🖈 Quick access Unprotected Files * Demo.txt Documents a Downloads * Terres 🔚 * 2019 2019-05-31 UAT UserGuide > 🝊 OneDrive > 🗦 This PC 🛩 🥿 MY USB (E:) Demo > > Unprotected Files > 🕩 Network 3 items
- 3. On a computer without DLP data encryption software (Windows platforms and Mac OS X systems)
- I) Insert the encrypted USB PSD into the computer.
- II) Run "MfeEERM.exe" manually from the USB portable storage device.



III) Type the password in the pop-up message box.

McAfe	e File and Removable Media Protection - Removable Media
	Authentication required for volume MY USB (E:)
	Password:
	OK Cancel Eorgotten Password

IV) You can use the McAfee Endpoint Encryption Software to drag and drop files to and from USB PSD.

	McAfee Endpoint End	ryption for Removable Media		- 🗆 🗙
File Edit View Tools Help				McAfee [®]
🕝 Back 🕥 🎓 🔎 Search 陵 I	Folders 🕑 History 🗟 🌶 🗙 🍤	·		
Folders	× Name	Size Type	Date Modified	
E Desktop	Jo documents	File folder	2/18/2014 7:45 PM	
(i) documents		UKB TEX DOUBLER	2/10/2014 743 PM	
Ready		1.89 GB		

C. Encrypted USB PSD Password Recovery

NOTES: Perform the following procedures on the computer you perform encryption to the USB PSD.

- I) Insert the encrypted USB PSD into the computer.
- Select McAfee icon on Windows toolbar. Right-click the mouse and select
 Manage Features > File and Removable Media Protection.



III) Select Recover media



IV) Click "**OK**" to continue



V)

Type the new password twice and click "OK".

Authentication password Password: Confirm:			
Confirm:	Authentication	password	
Confirm:	Password:		
	Confirm:	******	_
Authentication gertificate	Authentication	gertificate	

VI) The encrypted USB PSD can now be used with the new password.



D. <u>Change protection password for the USB PSD on a</u>

Computer (Windows and Mac System) without DLP Data

Encryption Software

 Insert the encrypted USB PSD into the computer and type in the password in the pop-up message box for authentication.

	McAfee An Intel Company
Auther	tication required for volume ADATA UFD (D:)
Fassword:	

 If there is no pop-up message box appeared, start the DLP software client manually by double click the executable file "MfeEERM.exe" on the USB PSD.



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III) From the menu, click "Tools"> "Change authentication".



IV) Type the current password for verification.

McAfee Endpoint Encryption - [F:\]
McAfee Endpoint Encryption
McAfee
Password:
OK Cancel

V) Type the new password twice and click "**OK**".

Please se changing rules.	Select new protection - [F:\]		
Authenticatio	n password		
Password:			
Repeat:	•••••		
Authenticatio	n <u>c</u> ertificate		
	OK Cancel		

VI) Click "**OK**" to complete.

McAfee Endpoint Encryption for Removable Media
The change completed successfully!
ОК

E. <u>Change protection password for the USB PSD on a</u>

Computer with DLP Data Encryption Software

- 1. Insert the encrypted USB PSD into the computer.
- 2. If you are not working on a DLP PC which you perform encryption to the USB PSD, or if you are working on a DLP PC which you perform encryption to the USB PSD but in different login profile, then it is required to type in password to access the USB PSD.
- Right click the McAfee Shield icon in the toolbar of Windows. Select
 "Managed Features" -> "File and Removable Media Protection".



4. Use the "Change credential" function to change the password of the encrypted USB PSD.



5. A pop-up message box will appear for input of password. Input the current password then click "**OK**".

McAfee Endpoint Encryption	
	McAfee
Password:	

6. A pop-up message box will appear after you input the correct password. Input the new password and repeat to confirm. Click "**OK**" to proceed.

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7. A pop-up message will appear to confirm the completion of change.



--- End ----