



LAB 1.3. WINDOWS 7 BITLOCKER

I. GIỚI THIỆU

BitLocker là một tính năng tích hợp của Windows 7 có khả năng tăng cường bảo mật dữ liệu bằng cách mã hóa dữ liệu trên các phương tiên lưu trữ (hard disk drive, USB drive). Khi muốn truy cập thông tin, người dùng buộc phải nhập mật khẩu.

Các bước thực hiện:

- A. Kích hoạt & Cấu hình BitLocker trên một đĩa USB.
- B. Kiểm tra kết quả.
- C. Thay đổi mật khảu BitLocker.
- D. Phục hồi mật khẩu cũ
- E. Tắt BitLocker





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II. THỰC HIỆN

A. Kích hoạt & Cấu hình BitLocker

- Windows Explorer → Click phải ổ đĩa (USB) → Turn on BitLocker





- Chọn "Use a password to unlock the drive" → Nhập mật khẩu P@ssword (2 lần) → Next

Choose how you want to unlock this drive
Use a password to unlock the drive
Passwords should contain upper and lowercase letters, numbers, spaces, and symbols.
Type your password:
Retype your password:
Use my smart card to unlock the drive You will need to insert your smart card. The smart card PIN will be required when you unlock the drive.
How do I use these options? Next Cancel





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- Lưu vào C:\BitLockerRecoverKey.... \rightarrow Save

Save BitLocker Recov	ery Key as	x
C V Libr	aries 🕨 Documents 🕨 👻 👻	Search Documents
Organize 🔻 New	folder	:= • 🔞
🔆 Favorites 📃 Desktop	Documents library Includes: 2 locations	Arrange by: Folder ▼
Downloads	Name	Date modified Type
🕍 Recent Places	E No items mate	ch your search.
Documents		
🁌 Music		
Pictures		
🧧 Videos		
輚 Homegroup	✓ <	•
File name:	3itLocker Recovery Key 6F25677D-38E8-42AA-A	A17-C1E98B12F229 -
Save as type:	ext Files	•
Hide Folders		Save Cancel

- Chon Start Encrypting

) 🎭 Bitl	Locker Drive Encry	otion (E:)	-	-	-	
Are y	ou ready to er	crypt this driv	ve?			
You w	ill be able to unloc	k this drive using a	password.			
Encryp	otion might take a	while depending o	n the size of the drive	e.		
Until e	encryption is comp	lete your files will i	not be protected.			
				Start E	incrypting	Cancel



- Quá trình mã hóa diễn ra



B. Kiểm tra kết quả

- Mở USB → Phải nhập mật khẩu → Unlock

ype your password to unlock this drive
Show password characters as I type them
Automatically unlock on this computer from now on forgot my password
<u>Vhy do I have to unlock the drive?</u>
Unlock



😋 🗢 🗣 🕨 Comput	er ► NN_USB (E:) ►	• 4	Search NN_USB
Organize 🔻 Share wit	Organize ▼ Share with ▼ New folder		
✓ ★ Favorites	Name	Date modified	Туре
🧮 Desktop) 81	10/15/2009 7:33 PM	File folder
🗼 Downloads	139	10/17/2009 7:54 AM	File folder
🕮 Recent Places	388 388	10/14/2009 4:20 PM	File folder
4 ᇘ Libraries			



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C. Thay đổi mật khẩu BitLocker

- Windows Explorer → Click phải ổ đĩa (USB) → Manage BitLocker







Learning Solutions

- Nhập mật khẩu mới **P@\$\$w0rd** (2 lần) \rightarrow Next \rightarrow OK \rightarrow Close

Create a pa	sword to unlock this drive
You should cre spaces.	ate a strong password that uses upper and lower case letters, numbers, symbols, and
Type your pass	word:
•••••	
Retype your pa	ssword:
•••••	
Tips for creatin	i a strong password.
<u>Tips for creatin</u>	i a strong password.
Tips for creatin	a strong password.
<u>Tips for creatin</u>	R a strong password. Next C BitLocker Drive Encryption Your password has been changed.

D. Phục hồi mật khẩu - Mở USB → chọn "I fơ

BitLocker Drive Encryption (E:)	
This drive is protected by BitLocker Drive F	Encryption
Type your password to unlock this drive	
Show password characters as I type them Automatically unlock on this computer from now on forgot my password	
Why do I have to unlock the drive?	



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- Chọn "Type the recover key"

S	BitLocker Drive Encryption (E:)
	Unlock this drive using your recovery key
	If you don't remember your password or you don't have your smart card, you can use your recovery key to unlock the drive.
	Your recovery key was created when BitLocker was first set up. The recovery key might have been saved or printed, or you might need to get it from your system administrator (depending on your company's security policy).
	Your recovery key can be identified by: 743DB559
	♦ Get the key from a USB flash drive
	Type the recovery key
	Cancel
Windows Explorer \rightarrow N	Aở tập tin trong C:\BitLockerRecoverKey →Copy BitLocker Recovery Key
BitLock	er Recovery Key 743DB559-2AFE-4DD5-94C4-EA1F9F5E336B - Notepad



- Paste \rightarrow Next

BitLocker Drive Encryption (E:)	×
Enter your recovery key	
Type your BitLocker recovery key:	
539363-364881-073381-414282-473264-293007-220924-418550	
✓ More information	
	Next Cancel



- Hộp thoại "You now have temporary access to this drive" → chọn Manage BitLocker



- Chon "Change password to unlock the drive"





- OK

- Close



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- Nhập mật khẩ<u>u</u> **P@ssword** (2 lần) → Next

CICU	te a password to unlock this drive
You s	hould create a strong password that uses upper and lower case letters, numbers, symbols, and
Type	2. vour password:
••••	••••
Retyp	e your password:
••••	
<u>Tips fo</u>	er creating a strong password.
	Next Cancel
) 🇞 Bit	Locker Drive Encryption (E:)
Sele	ct options to manage
>	Change password to unlock the drive
+	Remove password from this drive
•	Add a smart card to unlock the drive
+	Save or print recovery key again
	Automatically unlock this drive on this computer





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- Finish



- Kết quả





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E. Tắt BitLocker

- Start \rightarrow Control Panel \rightarrow BitLocker Drive Encryption



- Chọn Turn off BitLocker







- Chon Decrypt Drive



- Decrypting



- Hoàn tất → Close



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