

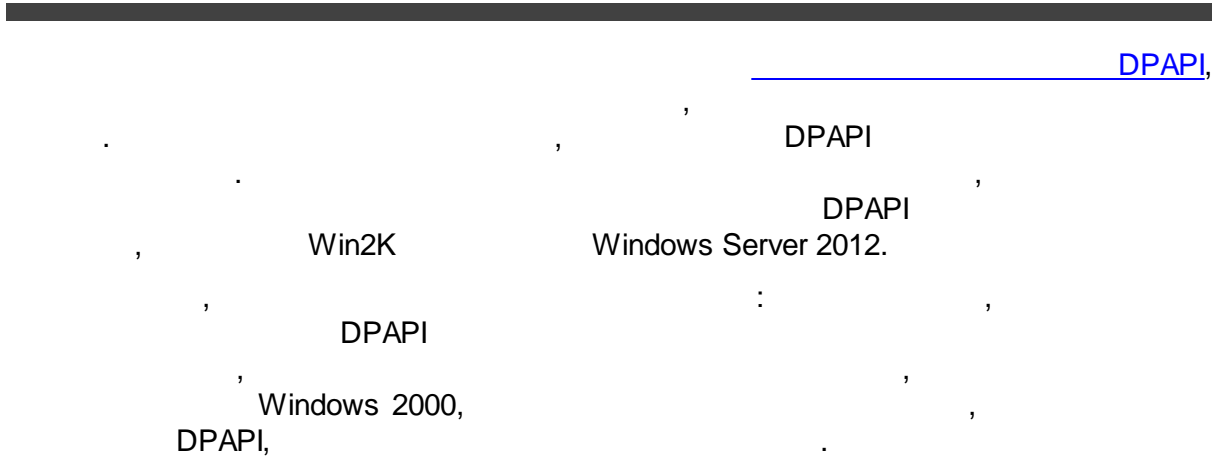
DPAPI Win2K, Win2K3, Windows Server 2008, Windows Server 2012

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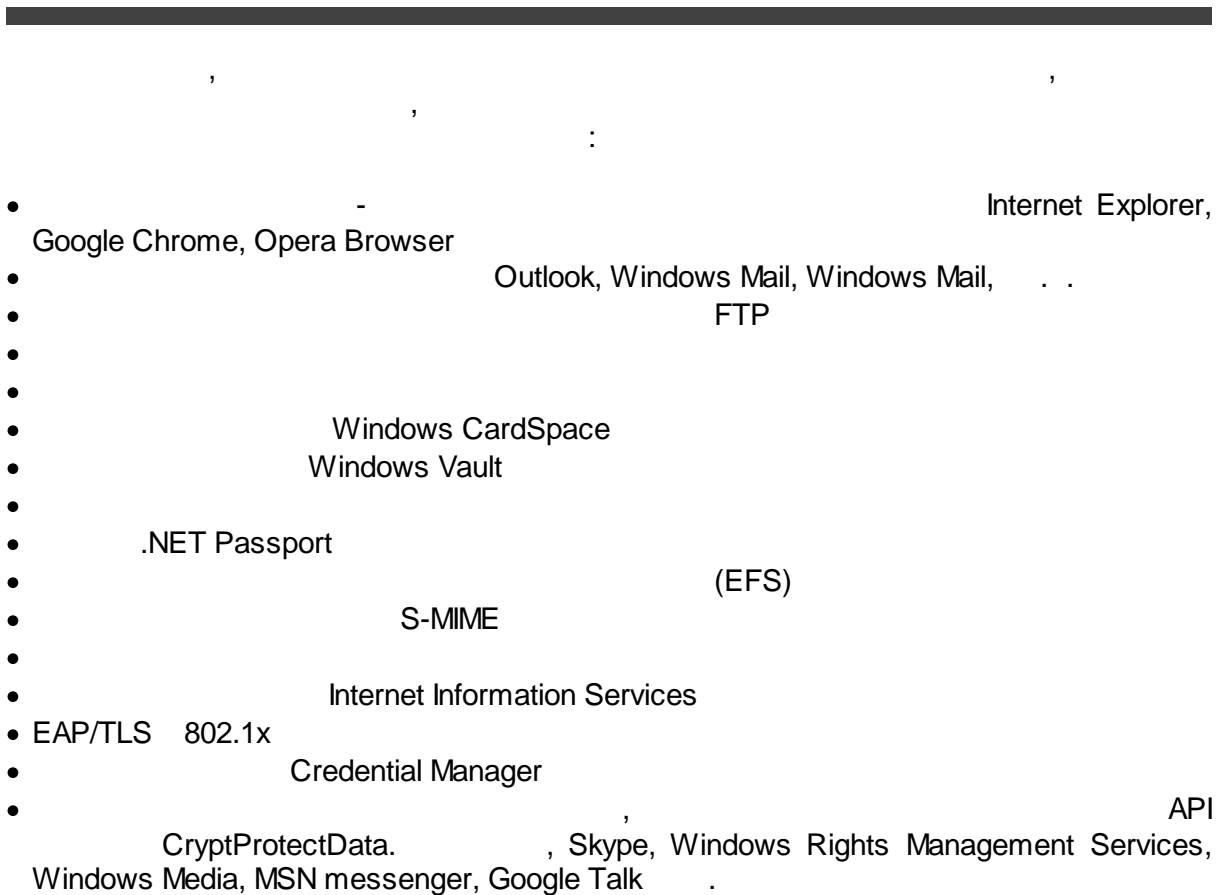
1.		3
1.1	3
1.2	3
2.		4
2.1	DPAPI Windows XP +	4
2.2	DPAPI Windows 2000	5
2.3	DPAPI Windows 2003, 2008, 2012	5
3.		6
3.1		Windows Server 2012
3.2		DPAPI
3.3	DPAPI	7
4.		11

1

1.1



1.2

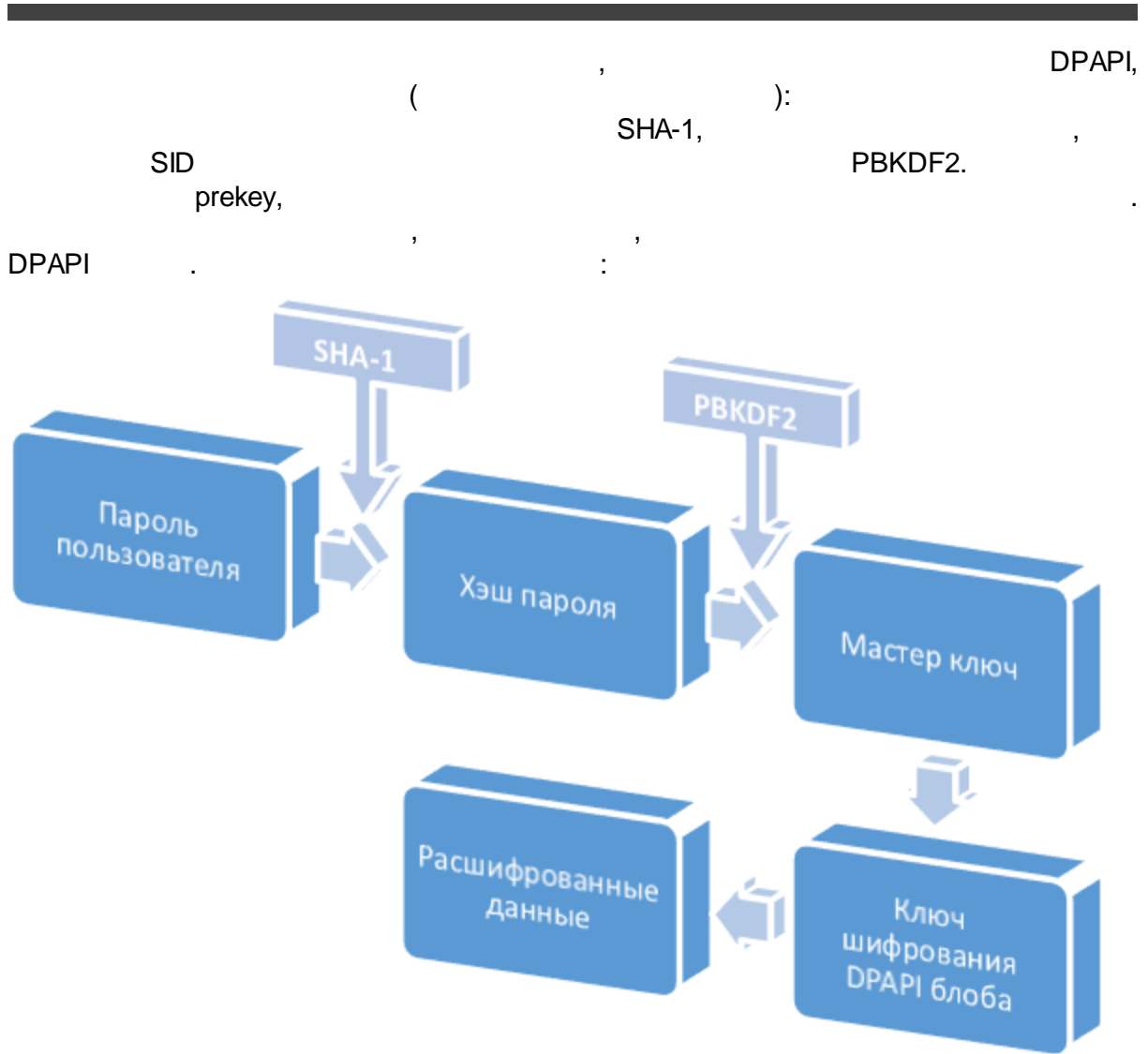


2

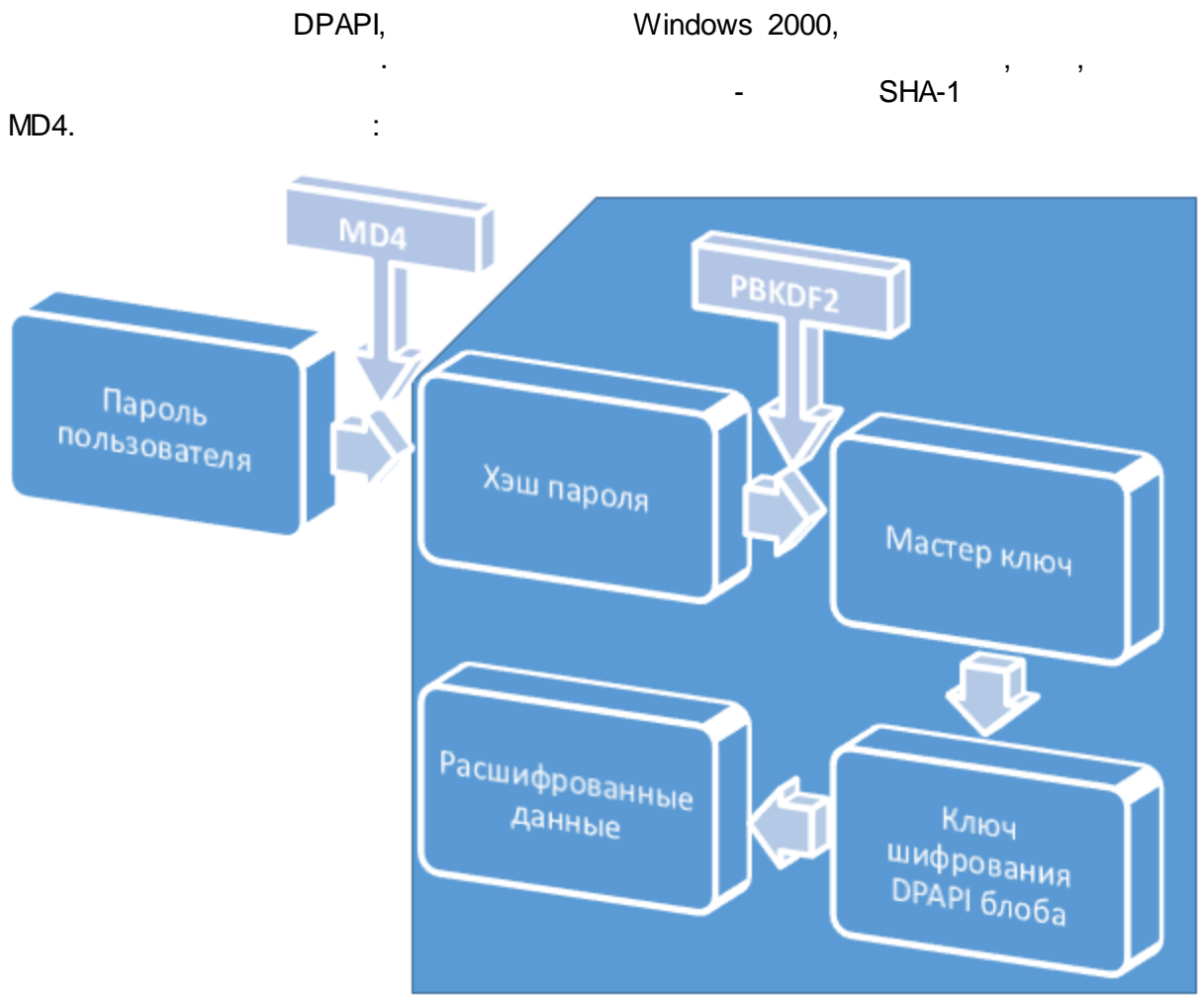
2.1

DPAPI

Windows XP +



2.2 DPAPI Windows 2000

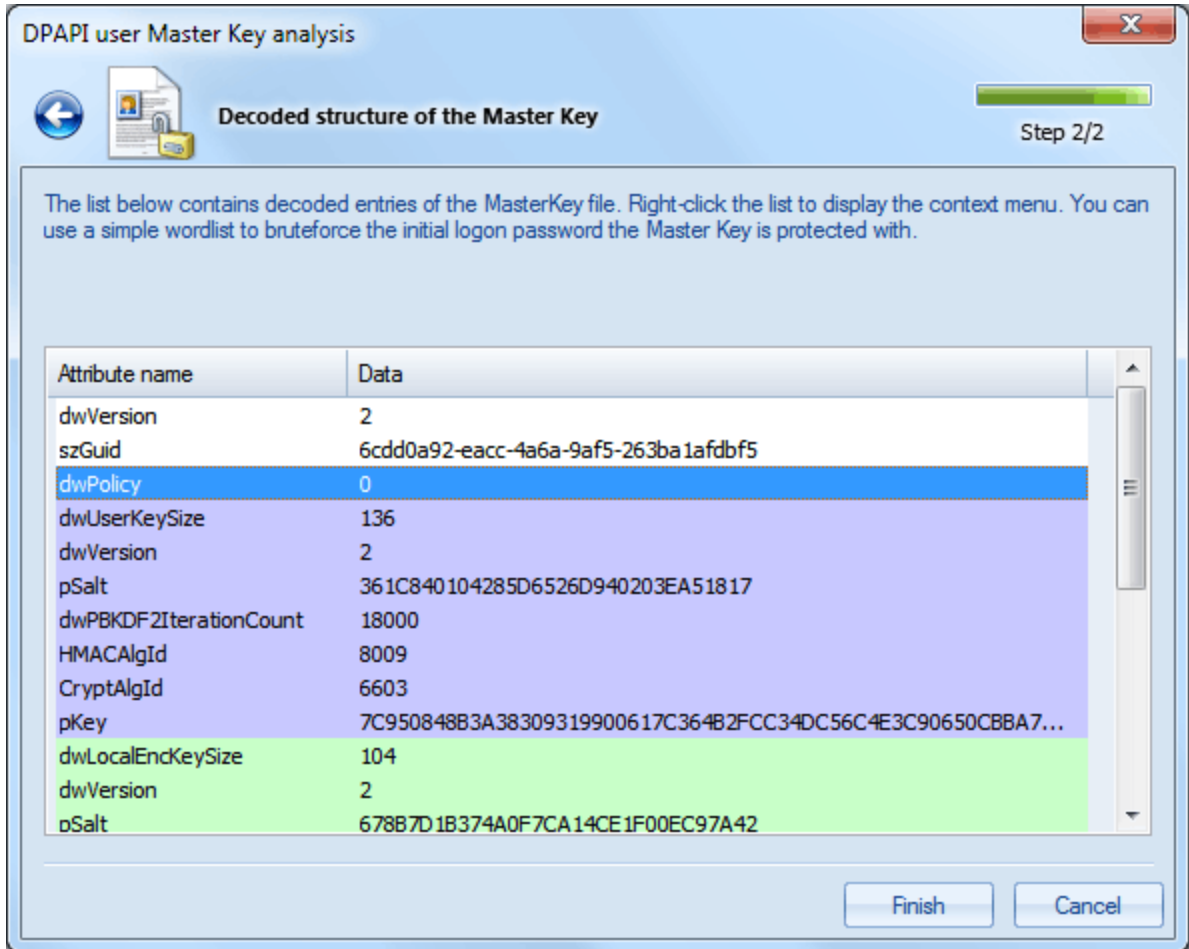


SAM, Active Directory (SAM NTDS.DIT MD4

2.3 DPAPI Windows 2003, 2008, 2012

4 dwPolicy DPAPI, SHA-1 MD4,

SHA-1.



3

3.1

Windows

Server 2012

Windows Server 2012,

offline

DPAPI

«Active Directory Users and Computers»
Test.

3.2

DPAPI

```

CryptProtectData.
CryptProtectData.exe, API CryptProtectData
(
): CryptProtectData mysupersecret out.dat.
out.dat DPAPI
(mysupersecret).

\Users\test\AppData\Roaming\Microsoft\Protect\<SID>\<mk> C:
<SID> - sid
<mk> - DPAPI, 6cdd0a92-eacc-4a6a-9af5-263ba1afdbf5
offline out.dat MD4
Active Directory.
NTDS.DIT, SYSTEM,

```

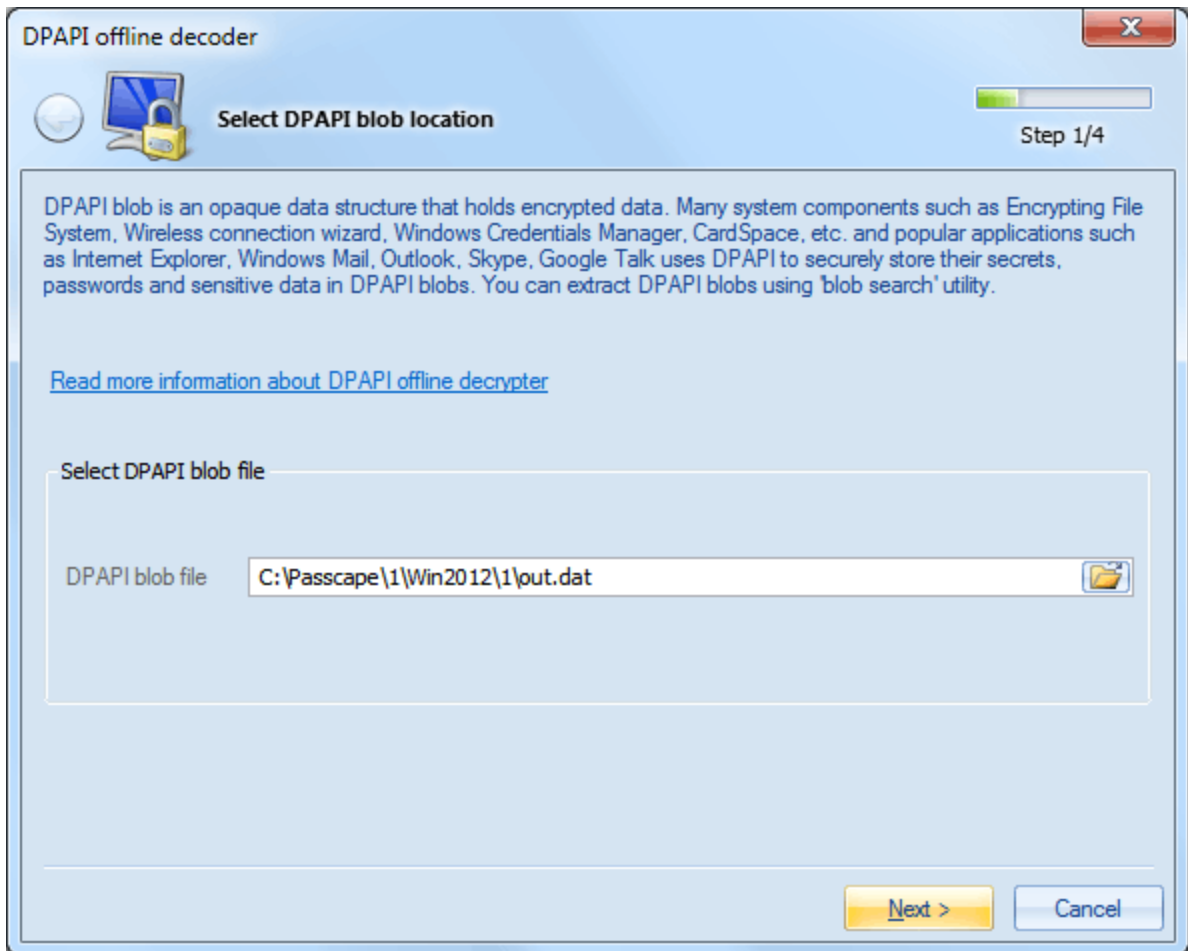
3.3

DPAPI

```

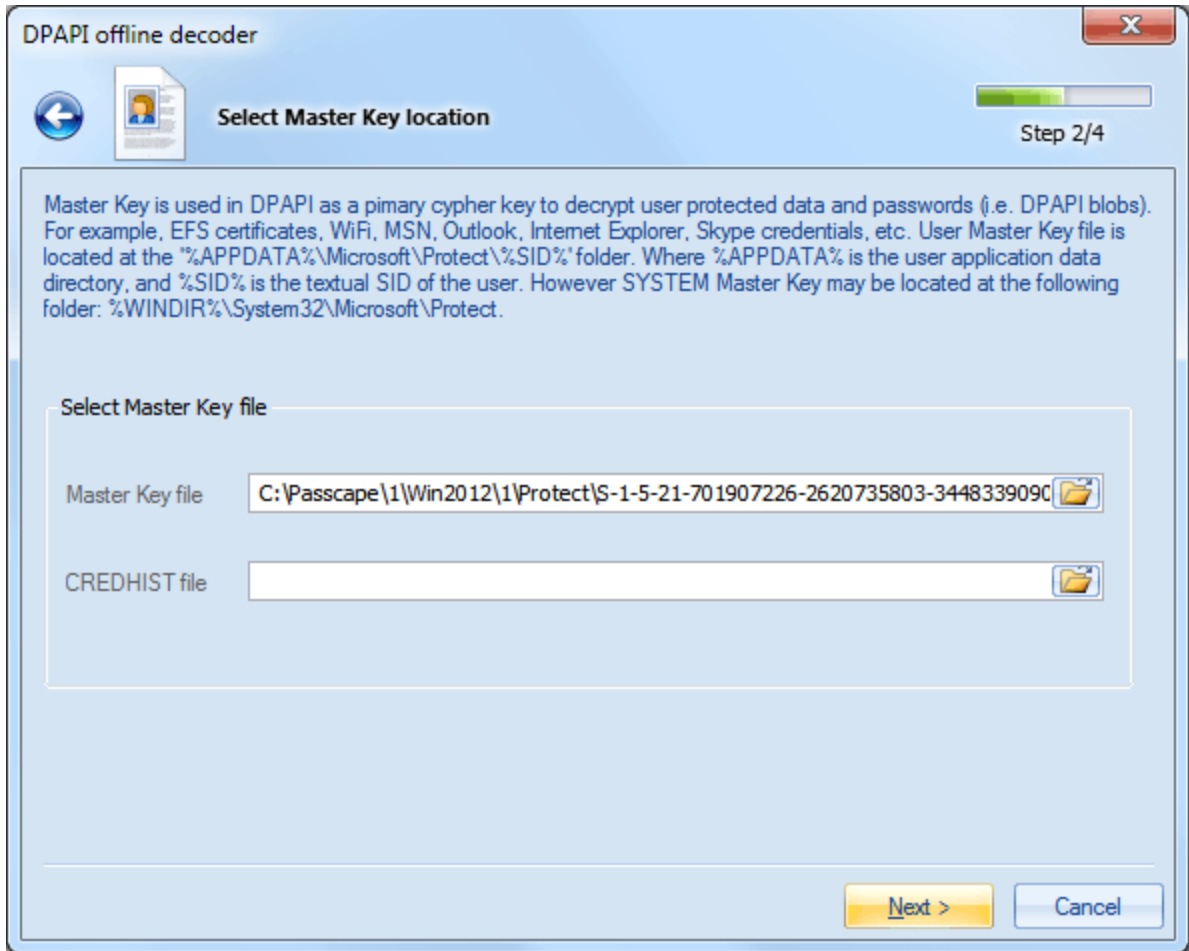
• out.dat
• SID
•
• ( NTDS.DIT SYSTEM)

```



DPAPI

out.dat.







DPAPI offline decoder

User/system credentials needed for successful blob decryption Step 3/4

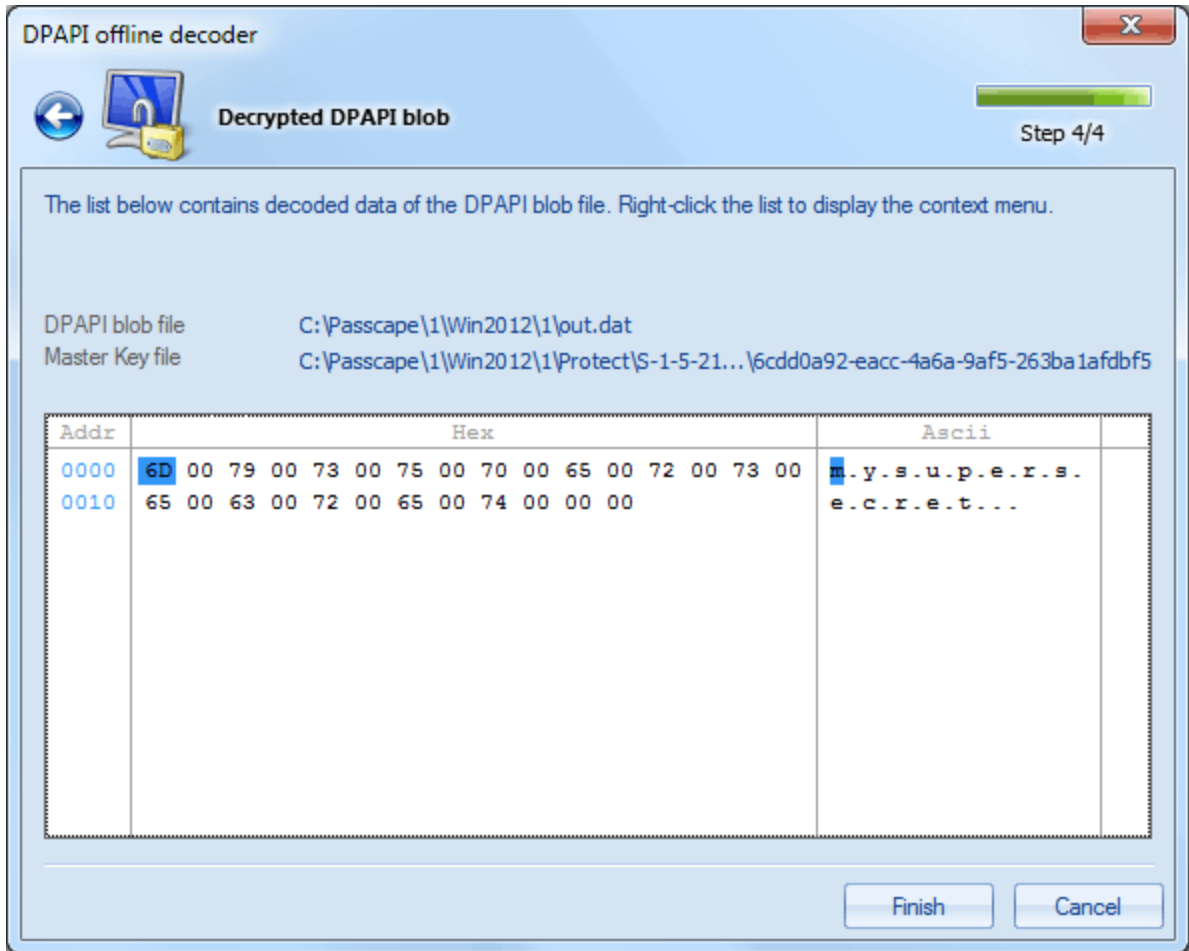
You should specify user SID and user logon password here in order to decrypt the DPAPI encrypted data. However some DPAPI encrypted blobs, eg. encrypted using SYSTEM account, require machine credentials. In this case, you'll have to provide a path to the SYSTEM and SECURITY registry files. Optional entropy file is required when the blob was created using entropy (refer to CryptProtectData API for more information). You should manually create a simple binary file with the entropy data and show the program path to the file.

Additional parameters required for successful data decryption

User SID	<input type="text" value="S-1-5-21-701907226-2620735803-3448339090-1607"/>
User logon password	<input type="text"/>
NTDS.DIT	<input type="text" value="C:\Passcape\1\Win2012\1\ntds.dit"/> 
SYSTEM	<input type="text" value="C:\Passcape\1\Win2012\1\SYSTEM"/> 
SECURITY	<input type="text"/> 
Entropy file (optional)	<input type="text"/> 

NTDS.DIT SYSTEM,

SID



4

DPAPI

DPAPI