1. Within a certificate encrypted .ZIP file, locate the "strong encryption tag" block (0x0017) in Details.

Properties			X		
General Comment Digital Signa	atures Encryption Details				
C:\Users\jim_p\Desktop\VDI.zip					
VDI.bd					
Name	Description	Size			
✓ Local offset	0000000	4			
✓ File name	VDI.txt	7			
🖶 🕈 Extra blocks	5 blocks	4887			
🖃 🔒 Extra block type	Strong encryption tag	40			
- 🔁 Version	2	2			
🖓 🔒 Algorithm ID	AES	2			
📲 Key length	256	2	Ξ		
- 🔒 Flags	0002	2			
🔒 Reserved	1	4			
🕀 📮 Extra block type	Signature tag	396	-		
[BYTES 54 - 69]: 17 00 24 00 02 00 10 66 00 01 02 00 01 00 00 00 [BYTES 70 - 85]: 04 80 14 00 71 21 D1 11 86 01 A2 29 95 46 1D 30 [BYTES 86 - 93]: 1D 99 86 D4 DA DD 64 ED					
			-		
<u>Central directory</u>	○ Local directory				
ок	Cancel Apply	Hel	р		

```
00d0 0b c0 93 6b ca 10 a2 ff b5 52 ab b1 89 07 81 4e

00e0 1b 25 6d 1d 73 12 eb 4b 3f b3 83 01 7d be 8b e1

00f0 7f c0 a6 17 8e db 6b fc 40 72 4f 43 8e ab 2a c1

Non-root Certificate

Key Id Hash(rfc-sha1): 17 e9 34 87 02 08 f3 98 04 e4 6b fb 9d c3 90 0e 7a 57 65 d5

Key Id Hash(sha1): 71 21 d1 11 b6 01 a2 29 95 46 1d 30 1d 99 b6 d4 da dd 64 ed

Cert Hash(md5): d0 a5 c5 7b 56 42 20 37 45 ba fe 4e b9 ab 24 71

Cert Hash(sha1): e3 01 56 96 3d fd e1 b8 d3 d9 1b b0 dd 08 9c 16 cf 58 d8 b9
```

```
CERT_REQUEST_ORIGINATOR_PROP_ID(71): mkelap-jimp7.pkware.com
```

3. When multiple public keys have been used during encryption (which is likely when contingency keys are used), you will need to search through the strong encryption tag data looking for the 20 byte match to the public key you seek.

Properties		passes from		X
General Comment Dig	jital Signat	ures Encryption Details		
\\mkesrv-fs01\jim_p\$\	Alex.zip			
Alex.bd				
Name		Description	Size	
✓ File name		Alex.txt	8	
📄 🔸 Extra blocks		2 blocks	116	
🗄 🗸 Extra bloc	k type	NTFS tag	36	
🖨 🔒 Extra bloc	k type	Strong encryption tag	80	
- 🕒 Version	i	2	2	
📲 🖓 🖓 🖓	hm ID	AES	2	
📲 🔒 Key len	gth	256	2	
- 🔒 Flags		0102	2	Ξ
🔒 Reserve	ed	3	4	
Comment		<no comment=""></no>	0	Ψ.
FES 107 - 122]: 04 80 FES 123 - 138]: F6 47 FES 139 - 154]: 95 46 FES 155 - 170]: 6C EE	14 00 63 5D 99 3D 1D 30 1D B3 30 A6	8C 5C 91 77 A8 9F 05 13 A1 19 70 92 71 21 D1 11 B6 01 99 B6 D4 DA DD 64 ED B5 5D 63 90 52 C5 8C A3 0D B0 B2	76 E0 A2 29 A3 5A 77 59	4 III •
<u>Central directory</u>		C Local directory		
ОК		Cancel <u>A</u> pply	Hel	р