Eligazodás a kártevők rengetegében

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Tartalom

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- Problémafelvetés
- Eddigi tevékenységek
- Elméleti vonatkozások
- Használható eszközök
- CheckVir Real-time AV teszt

A fő probléma …

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Az antivírus fejlesztők különböző elnevezéseket használnak a kártevők azonosítására.

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A fő cél …

Azonos neveket kellene használni a vírusvédelmekben.

Definiciós probléma

Mit nevezünk “azonos kártevőnek” ?

Nehéz definiálni!

Speciális esetek:

- makró vírusok
  - VBA konverzió újabb vírusokat hoz létre
- jelszóval tömörített férgek
  - felhasználói beavatkozás szükséges

Eddigi tevékenységek

Eddigi tevékenységek

EICAR

Eddigi tevékenységek

EICAR

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http://www.eicar.org/camdier/index.html

The CAMDIER project is made up of firms and academic institutions from various countries, as well as non-profit organizations. The Consortium represents a public-private initiative (e.g., public is represented during beta tests through such groups as Cyberworld Awareness and Security Enhancement Structure [CASES]).

CAMDIER brings together people from various disciplines, organisations and countries within the EU to move a step forward in anti-virus research and defence efforts. The consortium firmly believes that in order to achieve progress in this area, a major project bringing together people from various disciplines, organisations and countries within the EU is imperative.

2. What are the Major Objectives of CAMDIER?

CAMDIER has the following strategic objectives:

- develop a Framework for the Classification and Categorization of various types of attacks;
- develop a Unified Naming Convention;
- develop tools using heuristics and other technologies to automatically, or at least, semi-automatically classify and categorize known and yet unknown viruses and malicious code;
- to use knowledge management techniques for diffusing information to various stakeholder groups and networks such as CASES (Cyberworld Awareness and Security Enhancement Structure). It also intends to reach out to users and vendors (e.g. EICAR's members and working groups), home users (e.g. Internet Society- ECC), students and academia (TERENA), as well as Telecities and Global Cities in order to increase citizens' trust and confidence in local e-government efforts;
- to reduce the time lag between discovery of a malicious code attack on an organization's system and the possible measures that can be used to limit potential damages; and,
- to achieve research synergies with CAMDIER that support system architectures envisioned by CASES, Telecities and the Nordic security network group (established by IT/telecom ministers) and which work towards greater collaboration amongst Member and Baltic states with respect to improving information technology (IT) security.

Graphically, CAMDIER, a STREP project of 36 month duration, can be depicted as follows:

figure 1 (6 kBytes)

Figure 1. Simplified research process, results and deliverables/outcomes from CAMDIER.

Eddigi tevékenységek

US CERT

VESZPROG

Eddigi tevékenységek

US CERT

november 24, 2004 (1:37 DU EST)

Order To Come To Virus Naming Chaos

By TechWeb News

US-CERT, the federally-funded security clearinghouse, will try to put some order to the often-chaotic naming of worms and viruses in early 2005, the organization wrote in a letter sent to a security research group Tuesday.

Virus and worm nomenclature is typically left up to the security vendor which first discovers the malware. Until 2004 the process worked, more or less.

But the large scale and rapid release of multiple variants of worms in the Netsky and Bagle and MyDoom families this year led to confusion, with firms out of sync in their naming. One vendor would tag a new Bagle as Bagle.w, for instance, while others would call it Bagle.u or Bagle.t.

Most recently, confusion reigned when some security firms gave a worm an entirely new name -- "Bofra" -- while others claimed that it was only a variation of the long-running MyDoom.

"As a 'neutral third party' in the marketplace, US-CERT will coordinate with security vendors to implement a CME [Common Malware Enumeration] malware identification scheme," members of US-CERT's CEM initiative wrote in a letter to the SANS Institute's Internet Storm Center. "Limited operational capability is expected first quarter, 2005; this phase will concentrate on the most important threats, including the recent Beagle/Bagle variants."

Although there are obstacles to a common naming process -- including time constraints as anti-virus vendors rush to identify a worm and produce a defense against it -- US-CERT believes it's for the common good.

"Once all parties adopt a neutral, shared identification method, effective information sharing can happen faster and with more accuracy, making it easier to distinguish between very similar threats," the group wrote.

Elméleti vonatkozások

Elméleti vonatkozások

A

B

C

D

E

F

Elméleti vonatkozások

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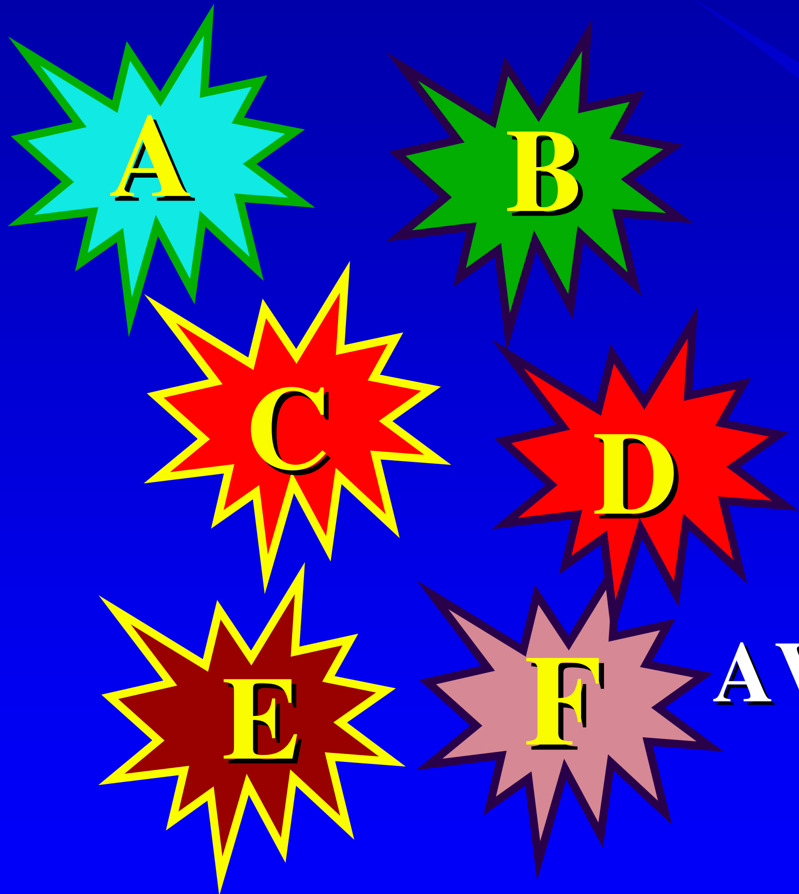
AV1:

AV2:

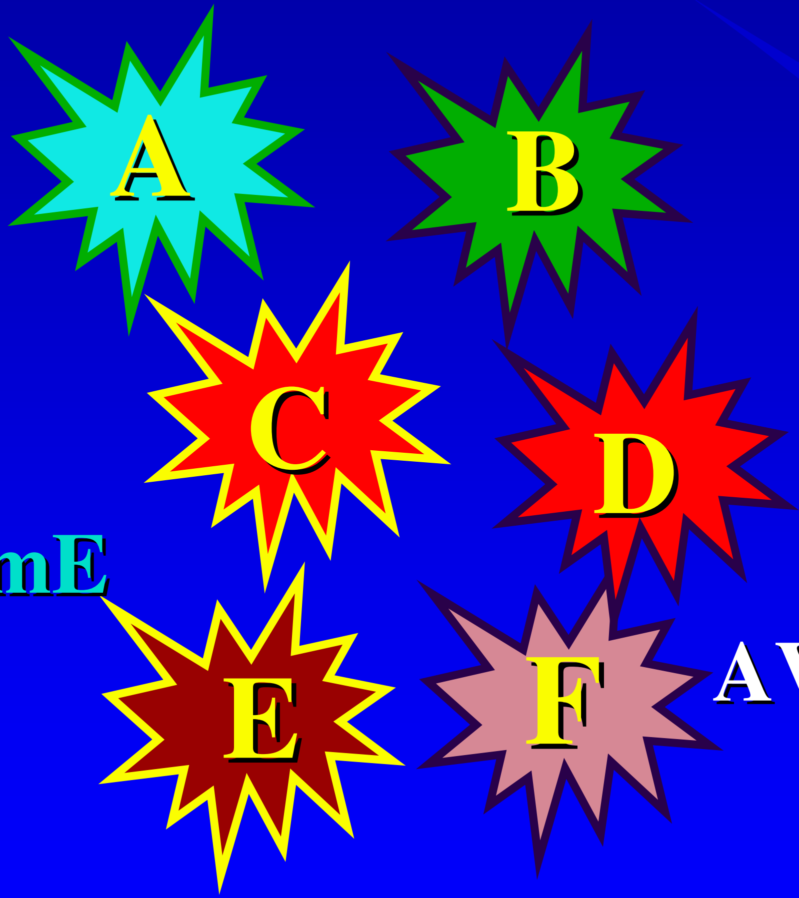


AV3:

Elméleti vonatkozások

AV1:

W32/virA
W32/virB
W32/virC
W32/virD
Worm/wormE
W32/virF



AV2:

AV3:

Elméleti vonatkozások

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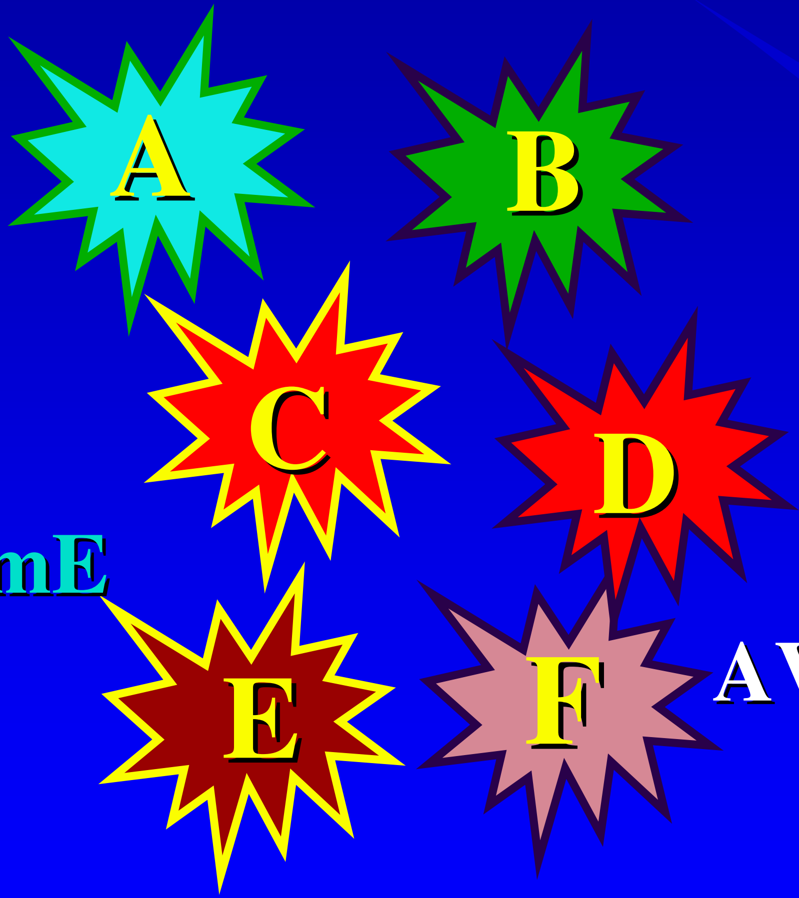
AV1:

W32/virA
W32/virB
W32/virC
W32/virD
Worm/wormE
W32/virF



AV2:

Win32.blue
Win32.green
Win32.red
I-Worm.brown
Win32.pink

AV3:

Elméleti vonatkozások

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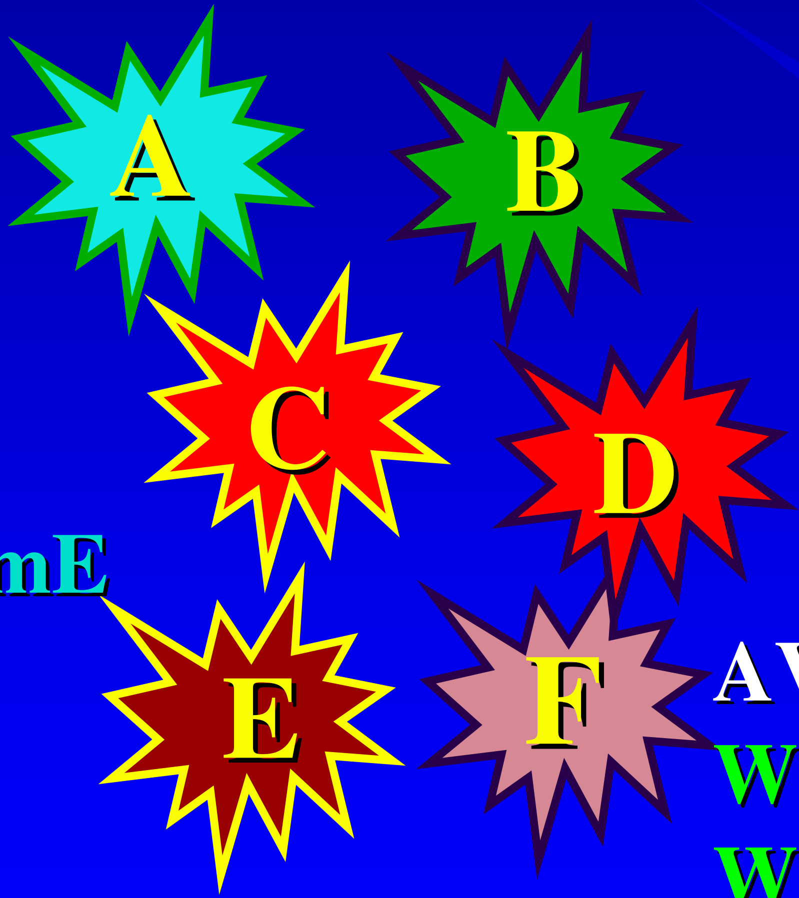
AV1:

W32/virA
W32/virB
W32/virC
W32/virD
Worm/wormE
W32/virF



AV2:

Win32.blue
Win32.green
Win32.red
I-Worm.brown
Win32.pink

AV3:

Win32.greenoutline
Win32.blackoutline
Win32.yellowoutline

Következmények

1. Az elnevezések puszta cseréje LEHETETLEN!

2. A neveket lehetne szinkronizálni, azonban ez azt is jelenti, hogy a felismerési algoritmusokat is szinkronizálni kellene.

3. Az elérhető megoldás egy megfelelő névazonosítási szolgáltatás.

Használható eszközök

Használható eszközök

Virus Bulletin - VGREP

Használható eszközök

Virus Bulletin - VGREP

Terms: Netsky.X   Match **Whole String**: ☐

Search by **Vendor**: Any   Search

Results

Results: 1-5, 6-10, 11-14

ALWIL	[undetected]	*H+BEDV*	[undetected]
GRISoft	[undetected]	*Kaspersky Lab*	Email-Worm.Win32.NetSky.x
SOFTWIN	Win32.Netsky.W@mm.Damaged	*Doctor Web*	Win32.HLLM.Netsky.based
Frisk Software	W32/Netsky.W@mm	*McAfee*	W32/Netsky.w@MM
IKARUS	Email-Worm.Win32.Netsky.X	*MKS*	[undetected]
Symantec	[undetected]	*ESET*	[undetected]
Norman	Netsky.W@mm	*Panda*	W32/Netsky.W.worm
Trend Micro	WORM_NETSKY.W	*GeCAD RAV*	Win32/Netsky.W@mm
Sophos	W32/Netsky-N	*CA VET*	[undetected]
CA InoculateIT	Win32/NetSky.W.ZIP!Worm	*VirusBuster*	[undetected]

ALWIL	[undetected]	*H+BEDV*	[undetected]
GRISoft	I-Worm/Netsky.X	*Kaspersky Lab*	Email-Worm.Win32.NetSky.y
SOFTWIN	Win32.Netsky.Y@mm	*Doctor Web*	Win32.HLLM.Netsky.based
Frisk Software	[undetected]	*McAfee*	W32/Netsky.x@MM
IKARUS	Email-Worm.Win32.Netsky.Y	*MKS*	[undetected]
Symantec	W32.Netsky.gen@mm	*ESET*	Win32/Netsky.X
Norman	[undetected]	*Panda*	W32/Netsky.X.worm
Trend Micro	WORM_NETSKY.GEN	*GeCAD RAV*	Win32/Netsky.X@mm
Sophos	W32/Netsky-Y	*CA VET*	Win32.Netsky.gen
CA InoculateIT	Win32/Bagle.Variant!Worm	*VirusBuster*	[undetected]

Használható eszközök

Wildlist


Cím http://www.wildlist.org/wild_desc.htm Ugrás Hivatkozáso

The WildList Organization International

Home

Reporters

WildList

Papers

In the Wild Virus Descriptions

We're continually evaluating our site and implementing suggestions from you, our valued users! The one request we've received most often is for descriptions of the viruses which are spreading In the Wild. On this page, will be providing links to In the Wild virus description databases provided by product vendors and research organizations. Questions about any of the descriptions should be sent to the individual vendors or organisations.

- WildList Virus Descriptions courtesy of F-Secure

Használható eszközök

Wildlist

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Cím http://www.f-secure.com/virus-info/wild.html

Virus descriptions of viruses in the wild

This page contains the latest wildlist collected by the Wildlist Organization, with the virus names linked to the virus descriptions at F-Secure virus description database.

F-Secure Corporation is a member of the Wildlist Organization.

```
================================================================
                PC Viruses In-the-Wild - May, 2004
================================================================

  This is a cooperative listing of viruses reported as being in the
  wild by 78 virus information professionals. The basis for these
  reports are virus incidents where a sample was received, and
  positively identified by the participant.  Rumors and unverified
  reports have been excluded.

  Some programs included in this list may fall outside the traditional
  definition of a computer virus. However, such programs are spreading
  throughout diverse user populations, are a threat to users and are
  therefore included in this list.

  This report is cumulative. That is, this is not just a report of
```

Használható eszközök

Wildlist

Cím http://www.f-secure

Virus descriptio

This page contains the l
with the virus names link

F-Secure Corporation is

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   Some programs included in this list may fall outside the traditional
   definition of a computer virus. However, such programs are spreading
   throughout diverse user populations, are a threat to users and are
   therefore included in this list.

   This report is cumulative. That is, this is not just a report of
   which viruses were seen last month. Monthly data is received from
   most participants, but the new data is added to the old. Participants
   are expected to let us know when to remove their name from a virus.

   The list should not be considered a list of "the most common
   viruses", however, since no specific provision is made for a
   commonness factor.
```

Real-time AV teszt

- Folyamatos AV teszt (majdnem minden verzió)
  - új kártevő megjelenésekor
  - új AV verzió megjelenésekor
- Az elterjedt kártevők vizsgálata
  - > folyamatos bővítés
- Felismeri? Gyanúsítja? Milyen néven/neveken?

Real-time AV teszt

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W32/Zafi.A

Product name	Version(s)	Virus name(s)
Kaspersky Anti-Virus	4.5.0.95, 80673 (known viruses)	
Kaspersky Anti-Virus	4.5.0.95, 82614 (known viruses)	
Kaspersky Anti-Virus Workstation	4.5.0.95, 84230 (known viruses)	
Kaspersky Anti-Virus	4.5.0.95, 87139 (known viruses)	I-Worm.Zafi
Kaspersky Anti-Virus	4.5.0.95, 89257 (known viruses)	I-Worm.Zafi
Kaspersky Anti-Virus Personal	5.0.121, 91566 (av database record count)	I-Worm.Zafi
Kaspersky Anti-Virus Workstation	4.5.0.95, 93606 (known viruses)	I-Worm.Zafi.a
Kaspersky Anti-Virus Workstation	4.5.0.95, 96130 (known viruses)	I-Worm.Zafi.a

Product name	Version(s)	Virus name(s)
McAfee VirusScan Enterprise	7.1.0, 4313 (virus definitions), 4.2.60 (scan engine)	New Malware.b (Virus)
McAfee VirusScan Enterprise	7.1.0, 4327 (virus definitions), 4.2.60 (scan engine)	New Malware.b (Virus)
McAfee VirusScan Enterprise	7.1.0, 4339 (virus definitions), 4.3.20 (scan engine)	New Malware.b (Virus)
McAfee VirusScan Enterprise	7.1.0, 4351 (virus definitions), 4.3.20 (scan engine)	New Malware.b (Virus)
McAfee VirusScan	v4.5.1 SP1, 4.0.4360 (virus definitions), 4.3.20 (scan engine)	W32/Zafi@MM
McAfee VirusScan Enterprise	7.1.0, 4367 (virus definitions), 4.3.20 (scan engine)	W32/Zafi.a@MM

Real-time AV teszt folyamata

Real-time AV teszt folyamata

Windows image kicsomagolása

VESZPROG

Real-time AV teszt folyamata

Windows image kicsomagolása

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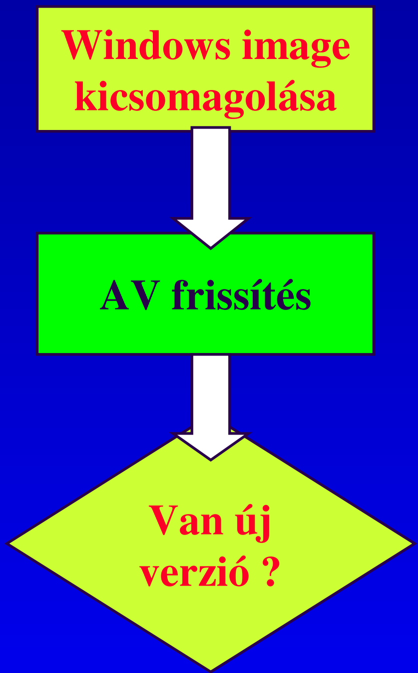
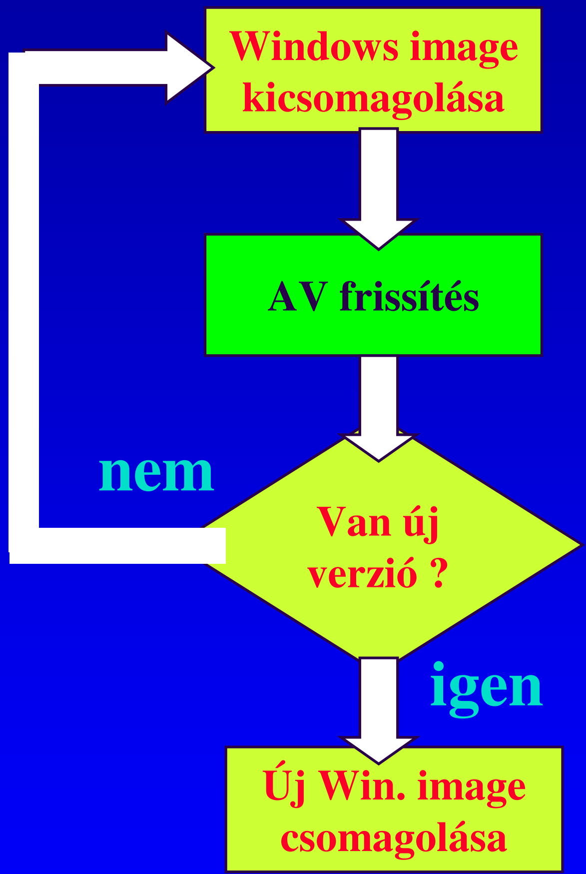
AV frissítés

Real-time AV teszt folyamata



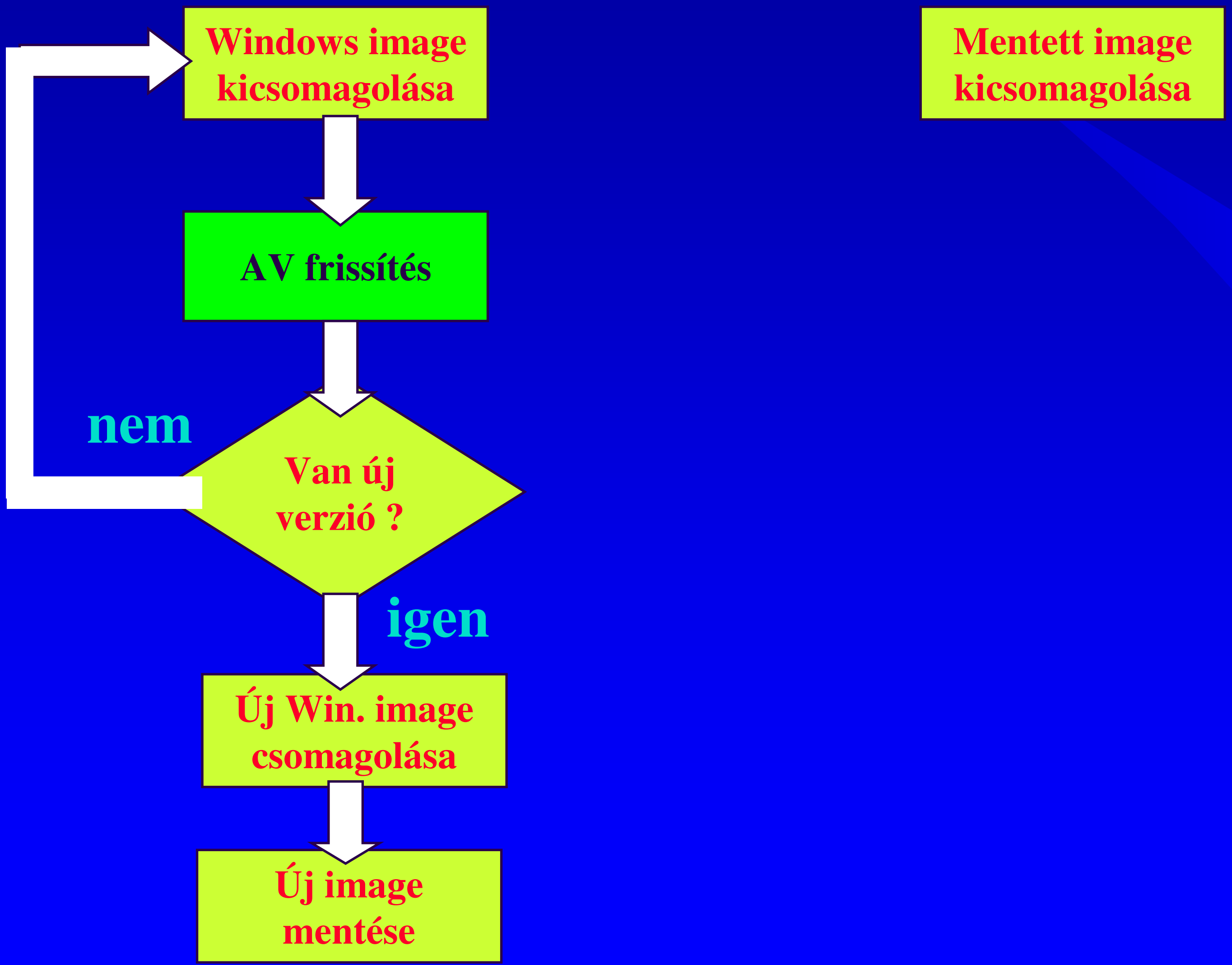
Real-time AV teszt folyamata

Real-time AV teszt folyamata

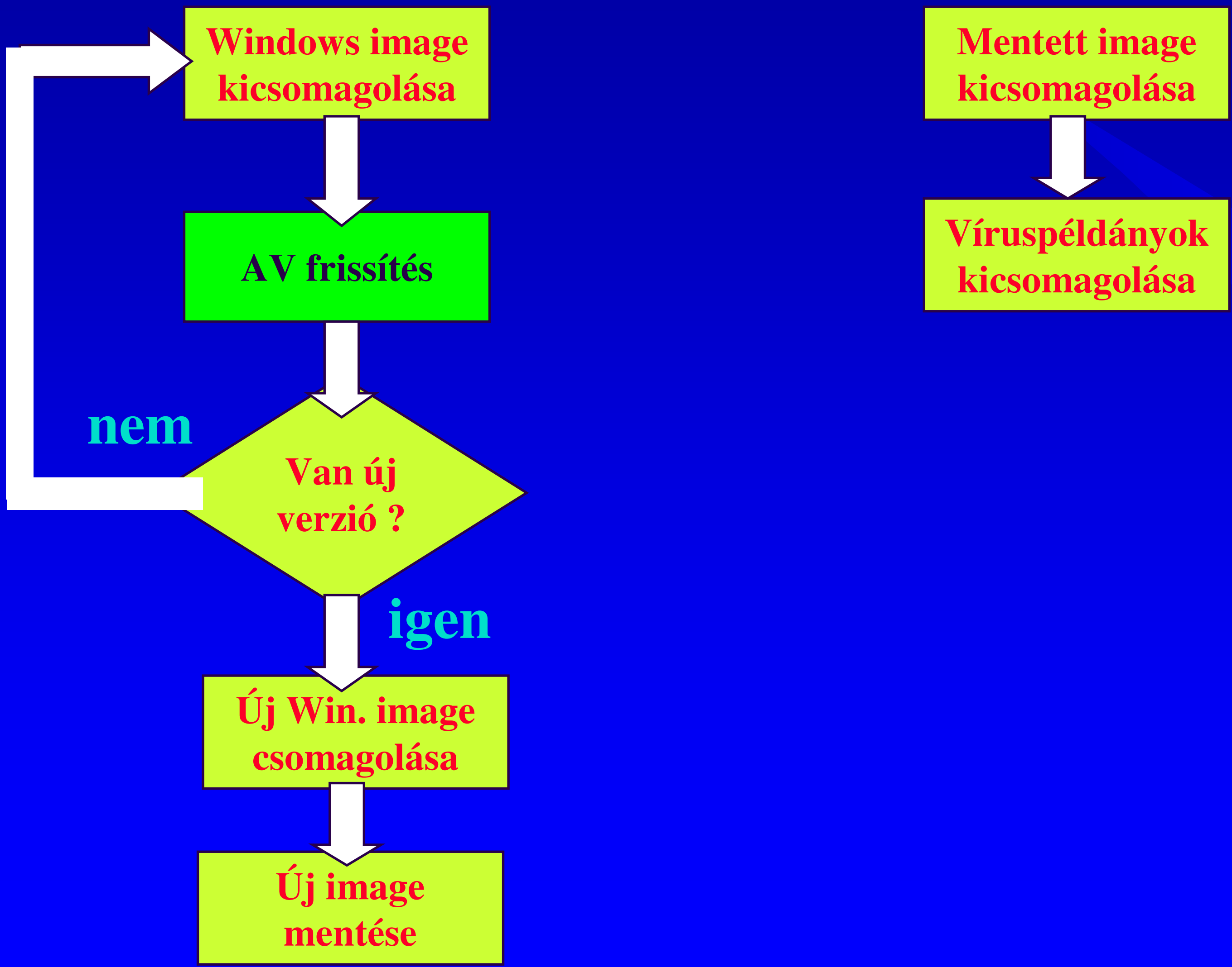


Real-time AV teszt folyamata

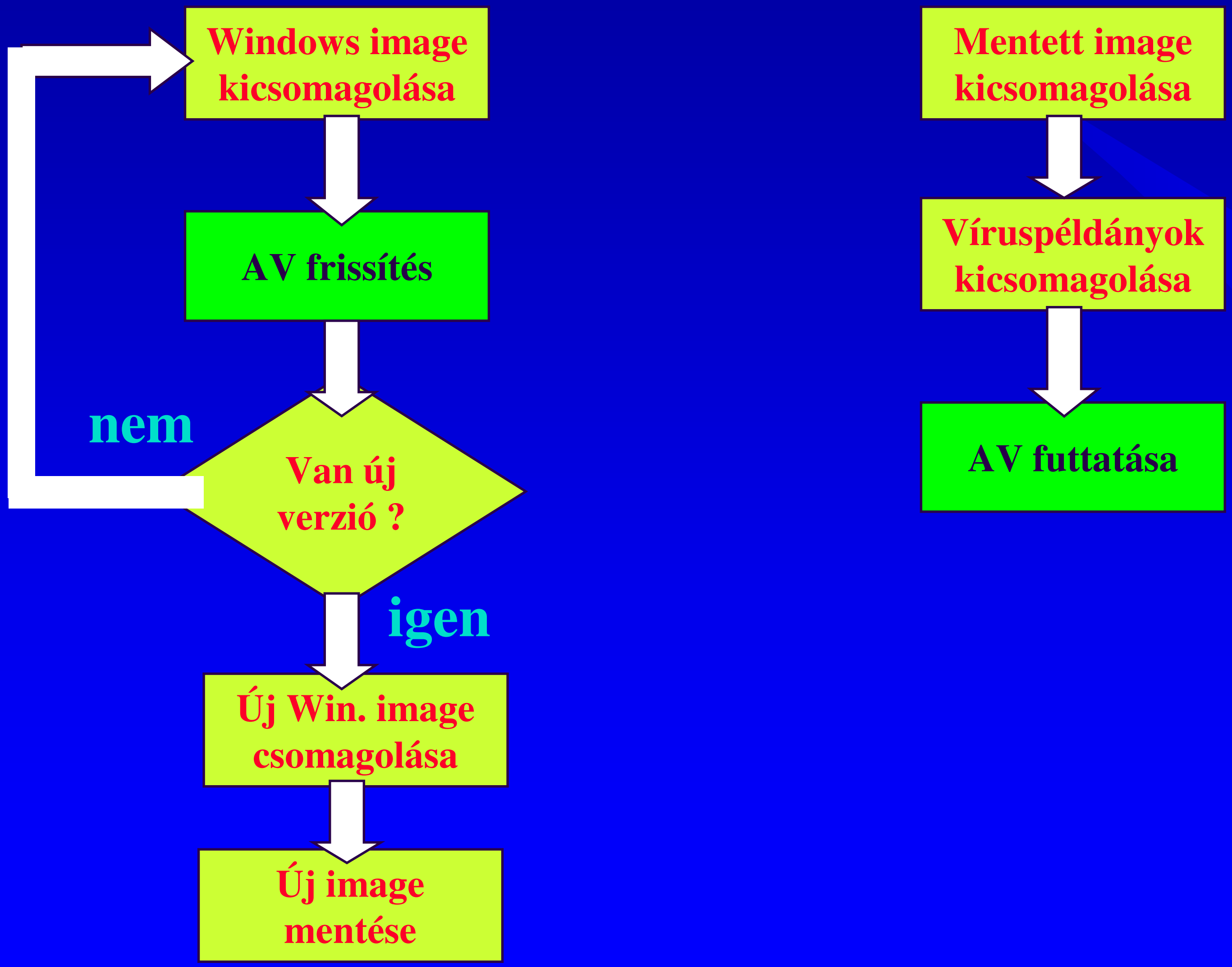
Real-time AV teszt folyamata



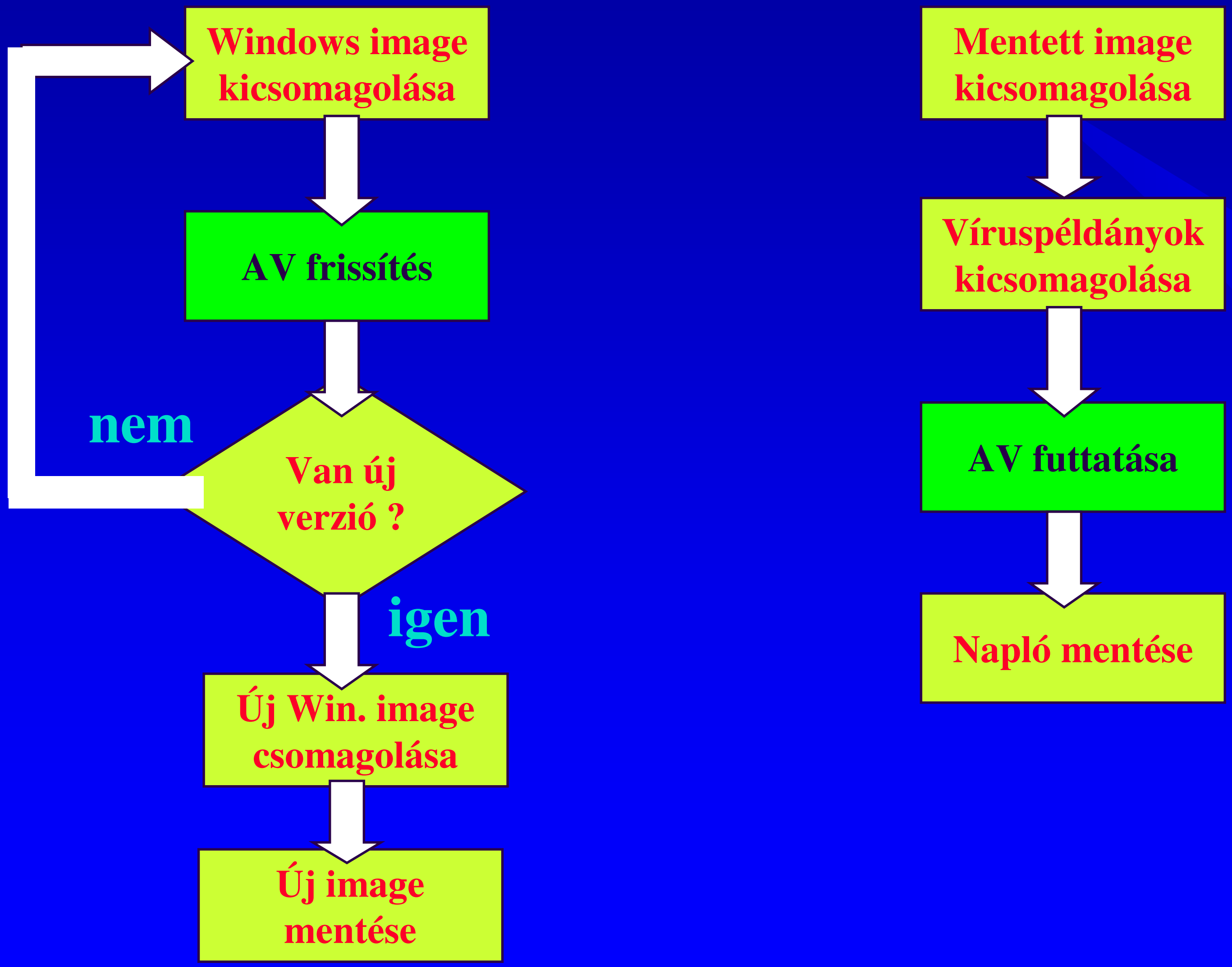
Real-time AV teszt folyamata



Real-time AV teszt folyamata



Real-time AV teszt folyamata



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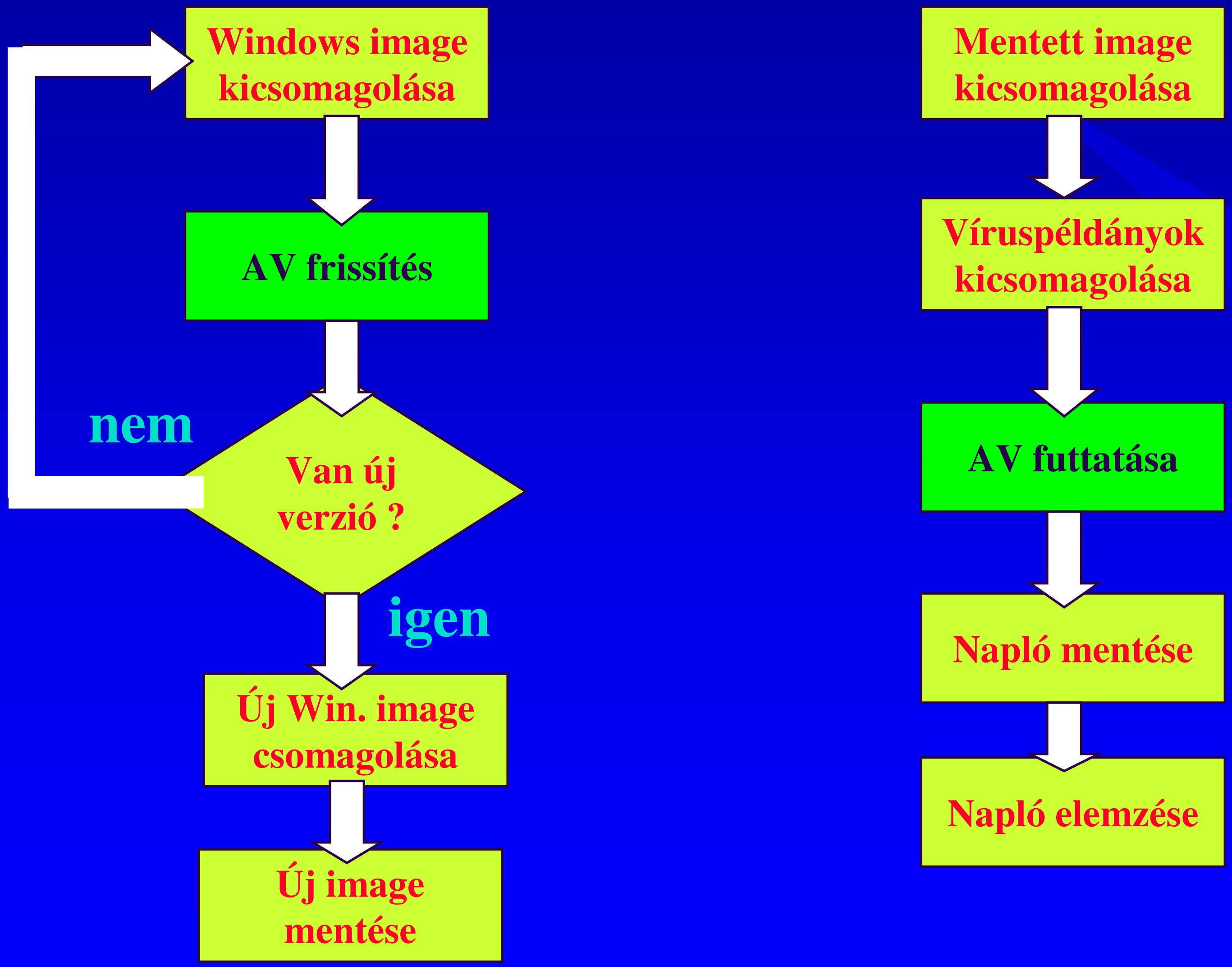
Real-time AV teszt folyamata



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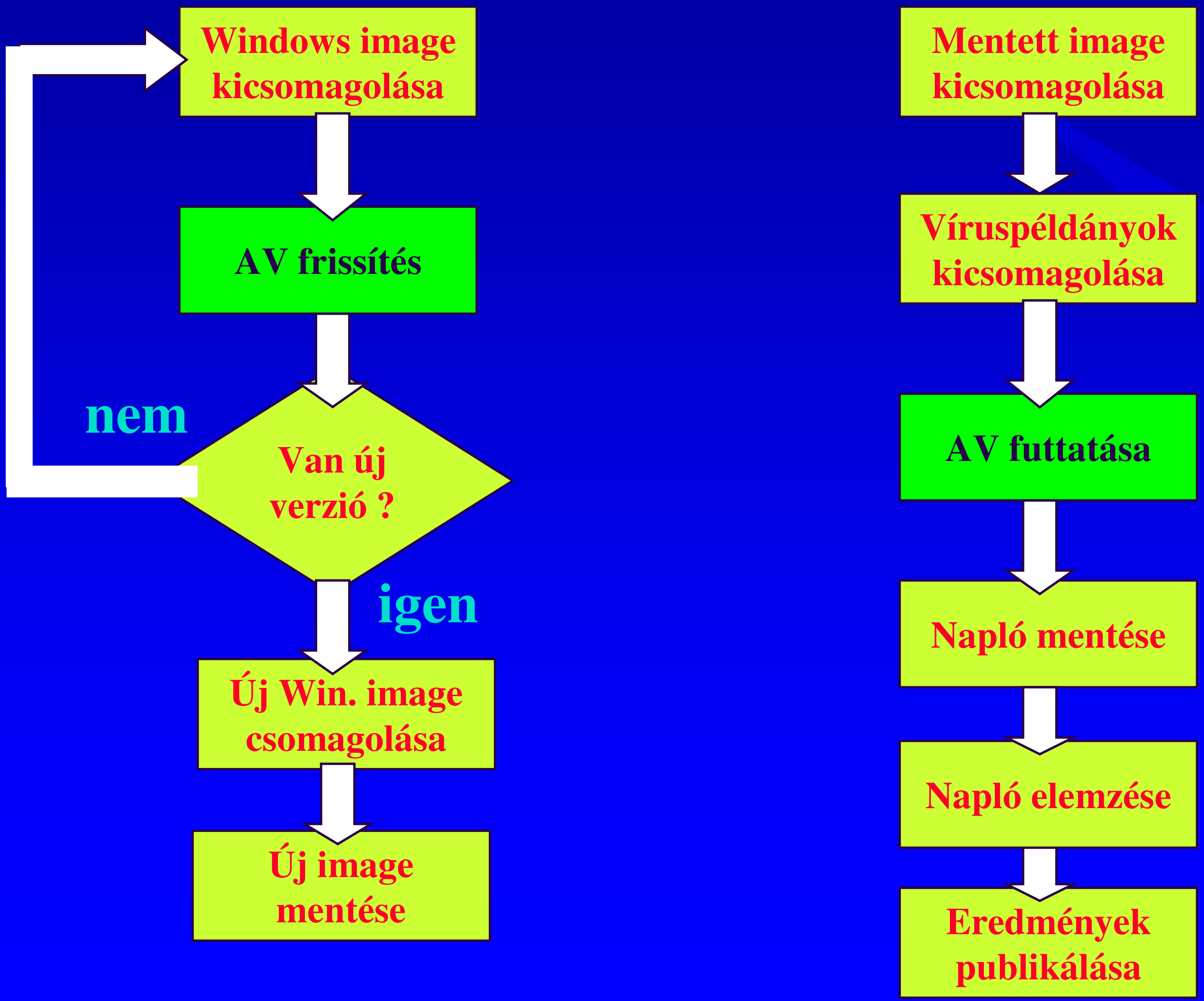
Real-time AV teszt folyamata



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www.checkvir.hu