

# 41NSEEK

Forensic Against Sexual Exploitation of Children

 Co-funded by the Internal Security  
Fund of the European Union

 incibe\_

# Forensic Triage Tool Against Child Sexual Abuse

## 4nseek analyzes storage devices looking for **child sexual abuse material**



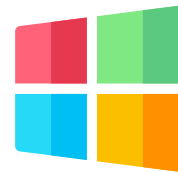
**File** evaluation: Intelligent categorization based on probability to be CSAM



Specific **application** data processing:

- Google Chrome, Mozilla Firefox, Internet Explorer
- Emule, Ares, Gibatrive
- Skype

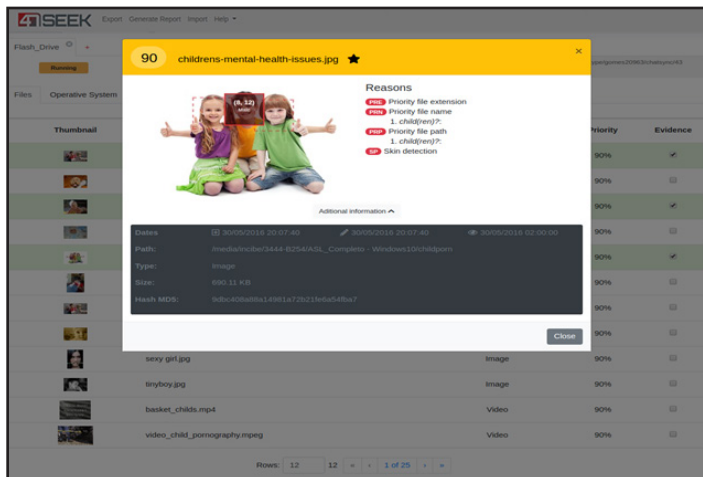
Interesting **OS** information extraction:



- OS version
- Users
- Wifi SSIDs
- Last searches
- Recent Documents
- Recent connected devices



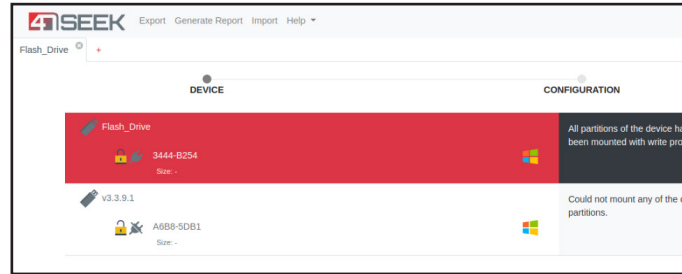
**Timeline** based on file metadata



# Focused on Usability

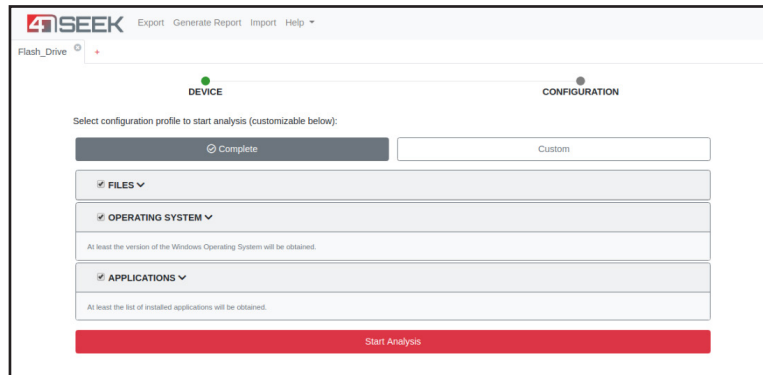
1

## Select a device



2

## Configure analysis



3

## Review results

The screenshot shows the 4iSEEK interface with the results of the analysis. The interface displays a table of analyzed files with columns for Thumbnail, Name, Type, Priority, and Evidence. The first row is highlighted in green. The table shows 20 analyzed files. The first row is 'Funny\_Chinese\_Child\_Playing\_Boy.jpg' with a priority of 90% and evidence checked. The other rows are 'burrito.png', 'caperucita0.png', 'dumbo.png', 'enanitos.png', 'SAM', 'SECURITY', 'SOFTWARE', and 'SYSTEM', all with a priority of 0% and evidence unchecked. The interface also shows a 'Running' status, a timer of 00:00:36, and a 'Filters' dropdown.

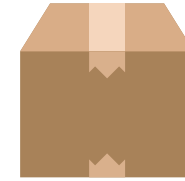
Thumbnail	Name	Type	Priority	Evidence
	Funny_Chinese_Child_Playing_Boy.jpg	Image	90%	<input checked="" type="checkbox"/>
	burrito.png	Image	20%	<input type="checkbox"/>
	caperucita0.png	Image	10%	<input type="checkbox"/>
	dumbo.png	Image	10%	<input type="checkbox"/>
	enanitos.png	Image	10%	<input type="checkbox"/>
	SAM	Other	0%	<input type="checkbox"/>
	SECURITY	Other	0%	<input type="checkbox"/>
	SOFTWARE	Other	0%	<input type="checkbox"/>
	SYSTEM	Other	0%	<input type="checkbox"/>
	SAM	Other	0%	<input type="checkbox"/>
	SECURITY	Other	0%	<input type="checkbox"/>
	SOFTWARE	Other	0%	<input type="checkbox"/>



# Advanced functionalities

## Import

hashes of known CSAM evidences from other tools or International Databases



**Export** found evidences



Generate a technical **report** with analysis data

## Artificial Intelligence Advanced Modules



Face detection with age and gender estimation

# And more...

For more information visit the project section at INCIBE website:

<https://4nseek.incibe.es>



If you are a member of a public **Law Enforcement Agency**, you can request access to the repository of the 4NSEEK forensic analysis tool:

