

ORION MALWARE v5

Advanced detection and analysis solution
of file based threats

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Orion Malware, a product from Airbus

Programs



Market: Defence & Space



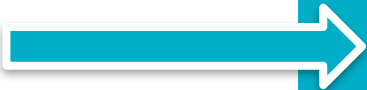
Products

CyberRange

Orion Malware

Tactical SOC

...



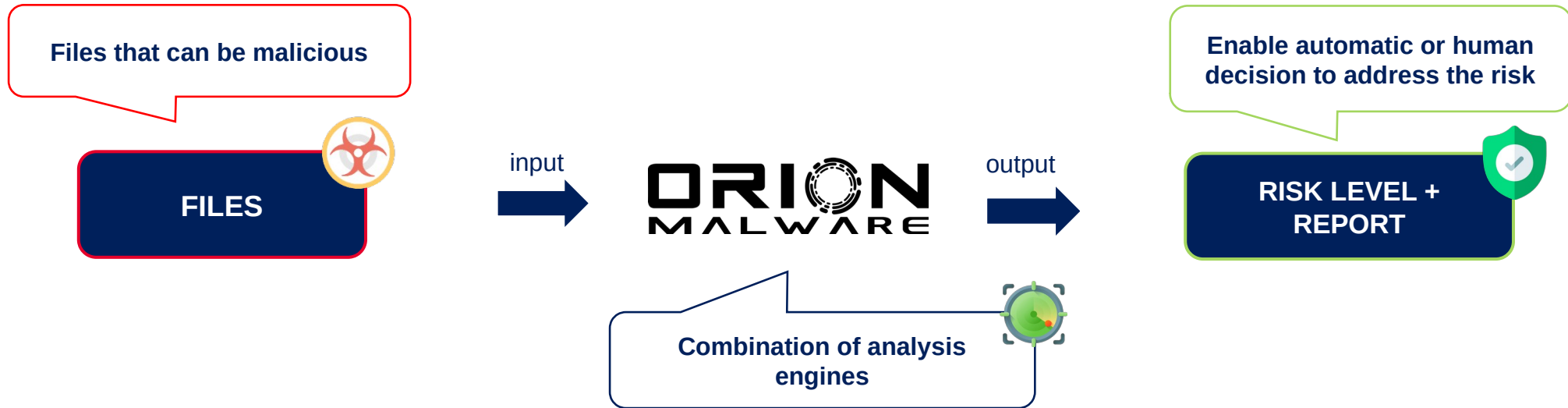
Market: All sectors



10 years



Goal: detect & analyse file based threats



Production contexts



1



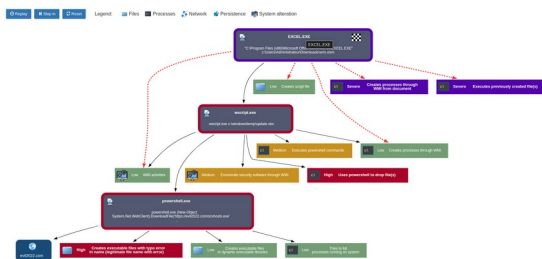
Protect your **infrastructure** by automating detection of file based threats



2



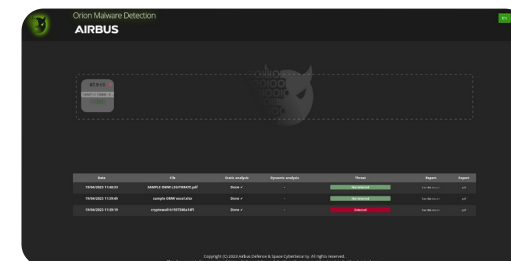
Enhance **cyber-teams efficiency** on risk assessment, threat understanding, IoC sharing



3



Support users as **sentinel** of your organisation safety through a dedicated web portal for **easy file checking**

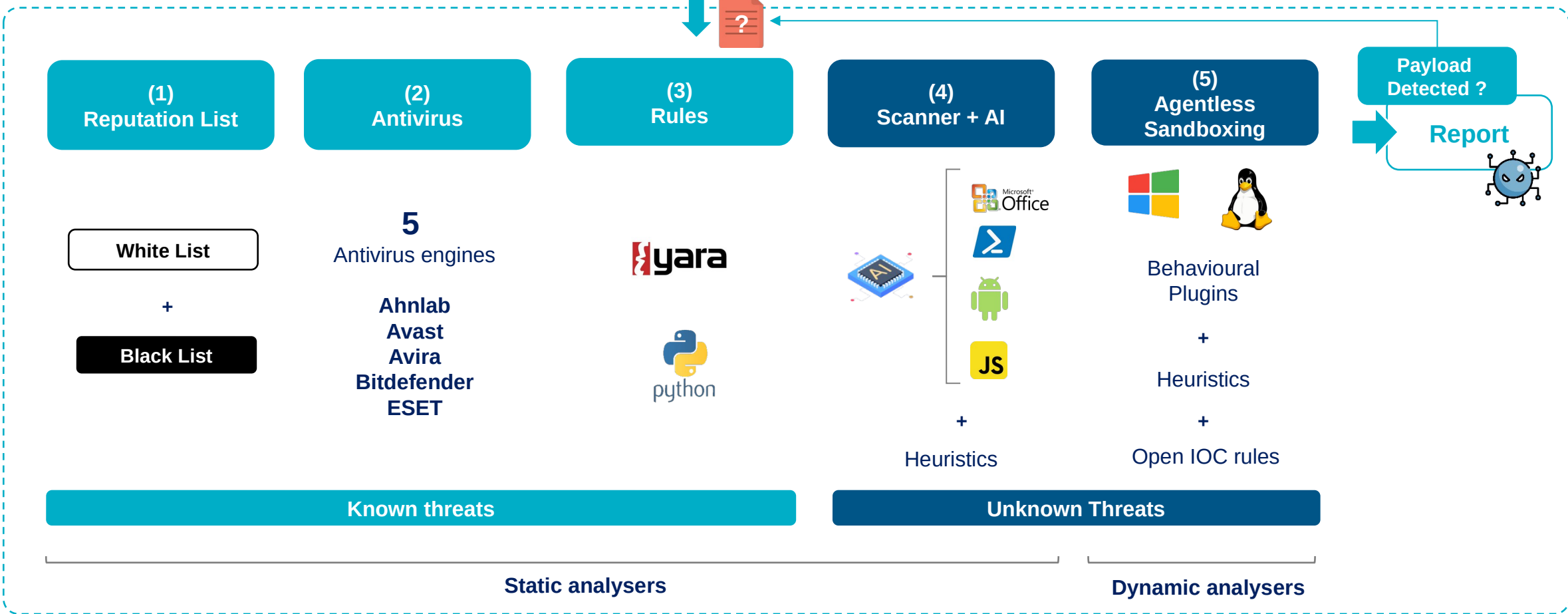


Detection and analysis engines

Detection & analysis engines



- Files and archives
- Up to 1 GB per submission depending on the workflow analysis

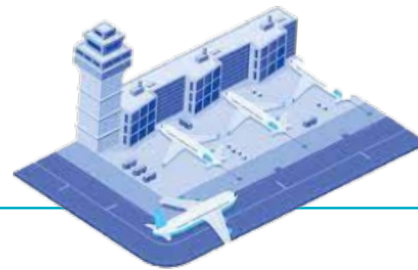


USE CASES & INTEGRATION

Protect automatically infrastructures

Use cases :

- Automatic file submission,
- Massive analysis,
- SOC alerting



Send files from
many sources

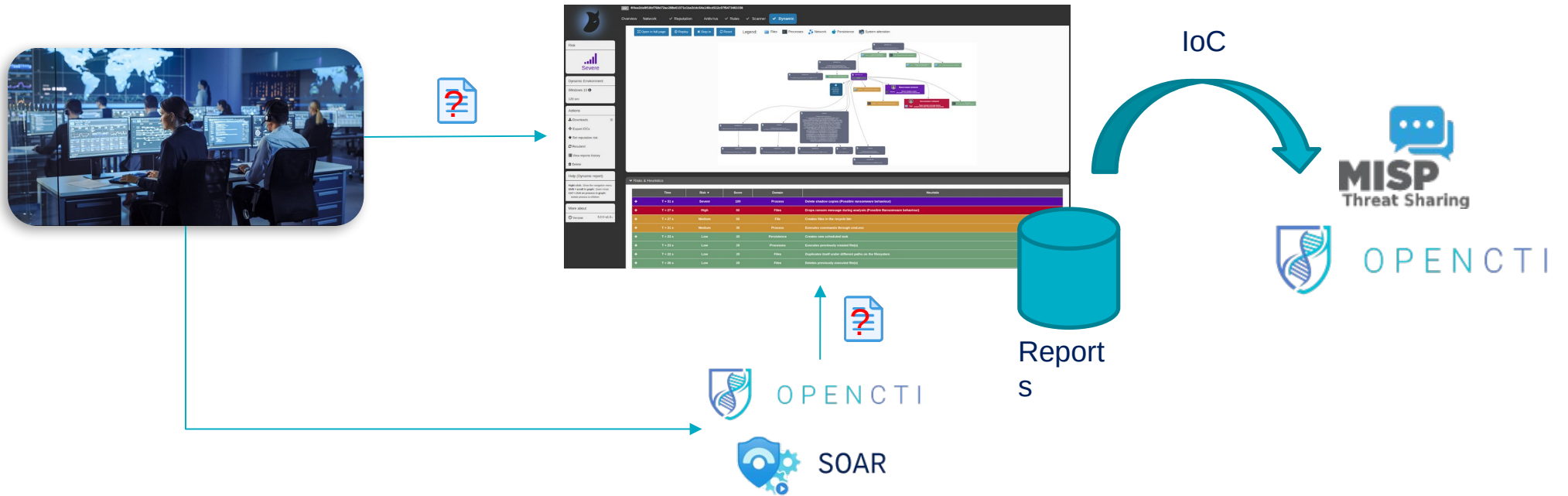
Performance

Alerting

CYBER TEAMS support

Use cases :

- Resolving doubts,
- Incident response,
- Investigation,
- Enrichment of Threat Intelligence



Decide quickly

Understand the threat

Threat Intelligence

Management of detection policy



Easy file checking for USERS through a dedicated web portal

The same power of detection as for cyber teams wrapped in a UI dedicated to users

Use cases :

- **Check before using**
- **Each employee can be a sentinel**



Easy and secure
access

Easy use

Alerting

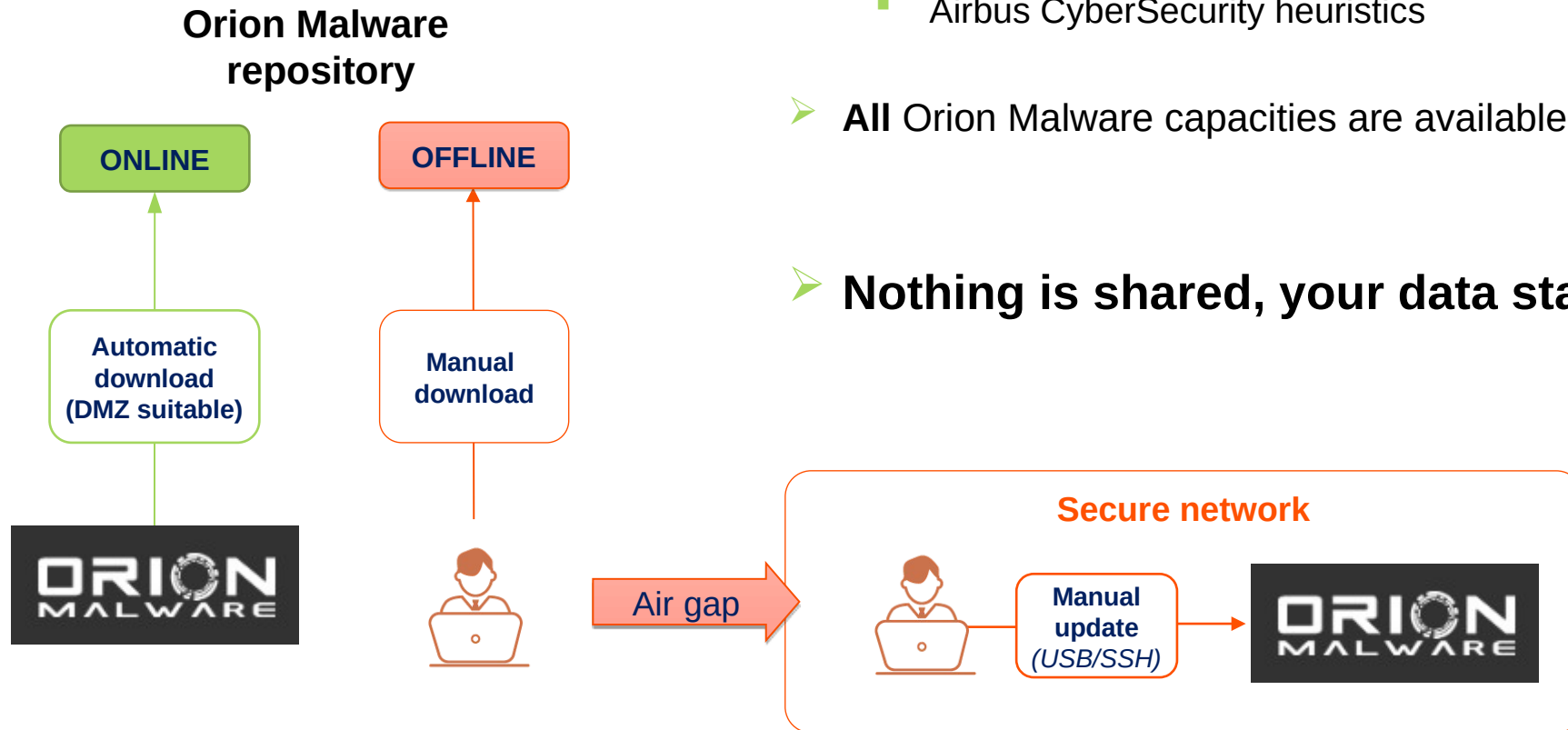
Customisable
template

Update & privacy

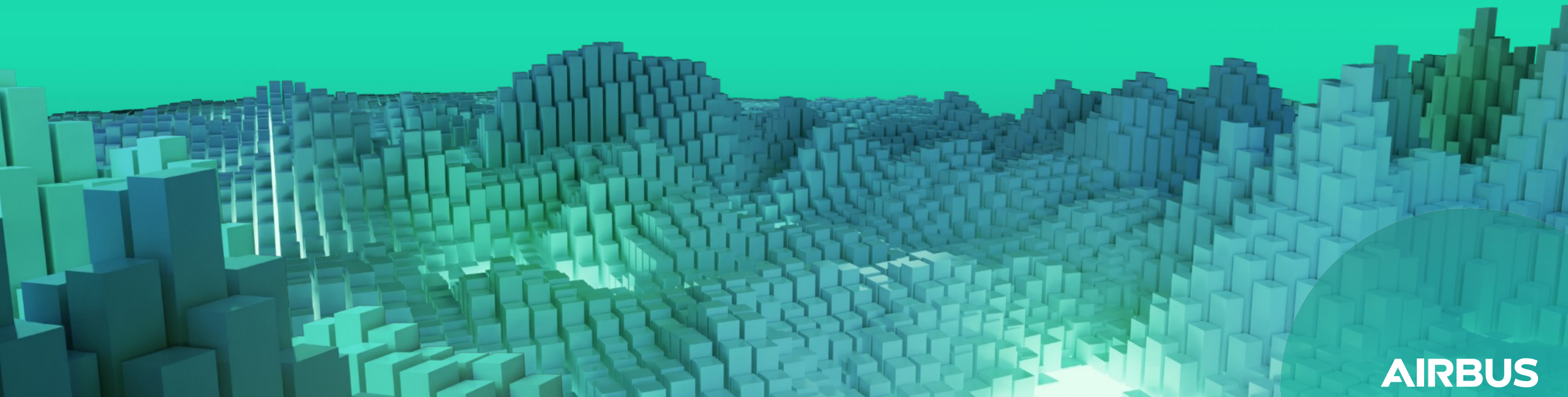
Orion Malware repository

- Orion Malware version (OS, software)
- Sandbox images
- Antivirus databases
- Airbus CyberSecurity heuristics

- All Orion Malware capacities are available in **online and offline** mode
- Nothing is shared, your data stays on your appliance



New sandbox report



We already have a very detailed report in v4.x

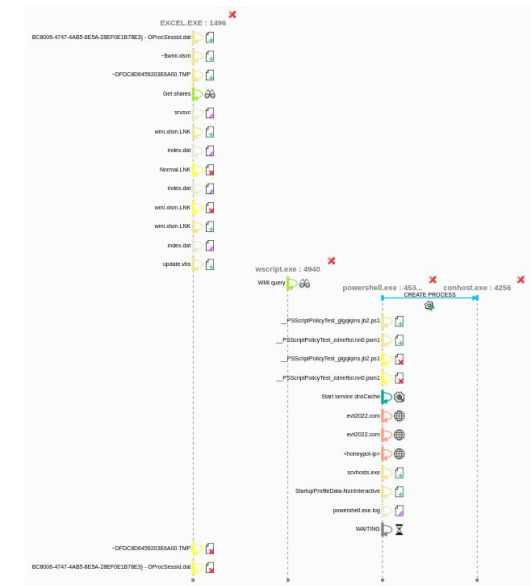
Files, processes, DLLs, mutexes, WMI, Memory, Windows actions, Registry, network comm, ...

Matching heuristics

File Activities

- Creates executable files with typo error in name (legitimate file name with error): scvhosts.exe
- Document drops a PE file
- Creates script file
- Found payload(s) to send to recurse analysis

Timeline



But we are missing:

Links between technical artifacts and heuristics

The big picture → what the sample is doing and **how** from 10 000 foot view ?

New goals:

Introduce a behavioral graph to show the risks and the malware activities

Speed up malware understanding and risks assessment

Make analysts life easier

Improve the learning curve of junior analysts



Demo

