EXYS
WHERE PASSION
MEETS TECHNOLOGY




# SECURE DNS

DNS FILTERING, HOSTED IN SWITZERLAND

BLOCKED, DGA

**Malicious request to q7vk2x0pzt4rl.top**

From 10.20.40.17 on the server network, 08:14:03. Two more generated names followed within 50 ms.

## EVERY CONNECTION STARTS WITH A DNS LOOKUP.

In a normal working day one user's browser contacts hundreds of domains nobody chose to visit: advertising networks, trackers, content embedded in other pages. A few of them host phishing pages, scams or malware, and they change name often enough to stay off most block lists.

Much of the network has no user at all. Printers, cameras and OT controllers look up names around the clock, and nobody is watching what they ask for.

Secure DNS answers those lookups from resolvers that EXYS runs in Switzerland. Each name is checked against a database of bad domains that EXYS rebuilds every day from third-party feeds and its own sources. A bad domain gets no answer, so the page does not load and malware cannot reach its server.

Switching over takes one change to your network's DNS setting. Nothing is installed, and every device that looks up a name is covered from then on.

## BAD DOMAINS CHANGE NAMES EVERY DAY.
## SO DOES OUR DATABASE.

www.exys.swiss

## NAMES THAT DID NOT EXIST YESTERDAY

Some malware has no fixed address for its command and control server. It generates many random-looking names a day and tries them until one answers, which no list can keep up with. Secure DNS also reads the name itself: natural language processing tells a generated name from a real one, including names never seen before.

## WHAT YOU SEE

A report arrives by email every day and is also in the portal. It shows what was blocked, by client location and IP range. EXYS changes your allow and block lists on request.




# WHAT YOU GET:

- Resolvers hosted and operated by EXYS in Switzerland
- Every device that looks up a name is covered, including unattended IT and OT equipment
- Phishing, scam, malware hosting and gambling domains blocked
- Machine learning on the domain name itself to catch algorithm-generated domains never seen before
- Daily report by email and in the portal, with client locations and IP ranges
- More than 2.5 million DNS requests handled a month
- One change to your network's DNS setting, nothing to install
- Bad-domain database rebuilt every day from third-party feeds and EXYS's own sources
- No answer for a blocked lookup, so malware cannot reach its command and control server
- Lookups also checked against the EXYS intelligence database of bad IPs and URLs
- Optional detailed review with risk indicators and recommendations

# CONTACT US

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EXYS SA is ISO/IEC 27001 certified

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