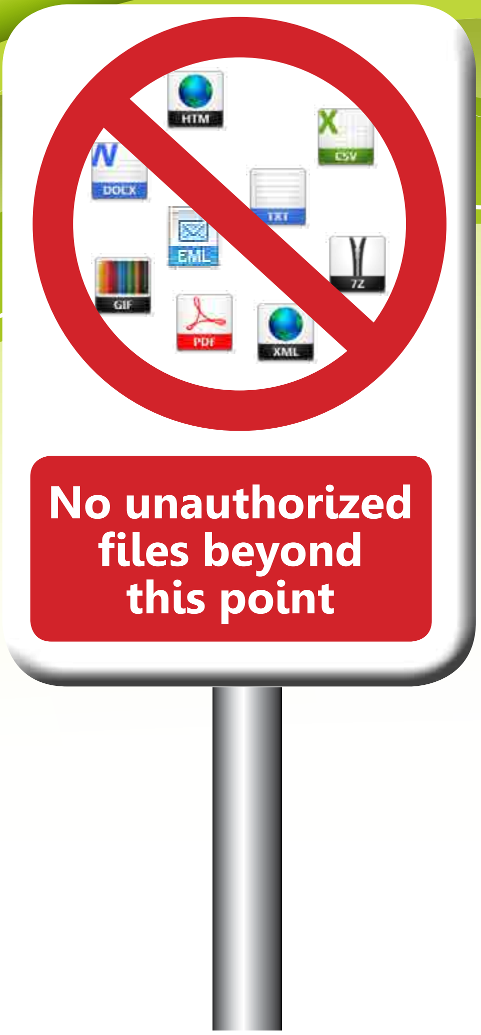
YazamTech

SelectorIT

The leader among file filtering systems on the market.

State of the art protection against advanced threats within files.



SelectorIT for data sanitization

- Above and beyond Anti-virus
- Response for Zero Day Attacks
- Protection against APT (Advanced Persistent Threat)

SelectorIT for data laundering

- Above and beyond human eye searching
- Deep content filtering
- Data leakage prevention

SelectorIT main Features

Filtering various file types

- Specific advanced filtering engine for a wide range of popular file types.
- Basic filtering abilities for a number of popular file types.
- Fake file extension detection.

Filtering for many implementations

- File-System files.
- Files transferred by popular applications: E-mail, WEB, FTP, MFT, Secure browsing, Digital vault.

Deep filtering, recursive process

Every file considered to be a “container” of embedded files:

- Disassembling of container files.
- Multi layer filtering, every file in any layer.

Filtered file is reassembled from only allowed embedded files:

- Forbidden embedded files are blocked.
- Unwanted objects are removed.
- Modified files are replaced.

File System Locations

For automatic filtering:

- Defining the source and target directories.
- Different filtering policy for each source directory.

For interactive filtering:

- Source and target locations can be set by drive type: fixed, removable, optical, network, and unknown, or be a custom folder, local, remote and delegated.
- Filtered files can be burned to a removable media.

Access control & privileges

For interactive filtering:

- Policy can be stored locally or in Active Directory.
- Separate privileges for Administrator and User.
- Credentials can be verified and user identity established and recorded.
- Personal profiles: available for each user.

Hardening

- Running the filtering engine in an isolated environment, restore the environment state before each session.
- Hardening the user interface in Kiosk.

Anti-Virus scanning

SelectorIT filtering process is based on professional YazamTech developments.
In addition, SelectorIT uses multiple anti-virus checks per filtering session:

- 13 vendors of anti-virus engines are supported.
- No friction between those engines.

Searching Text

Forbidden expressions as well as mandatory expressions:

- Searches also hidden content.
- Allows whole word restriction.
- Supports regular expressions.
- Records all findings in the history.

General features

- File shell properties reset or changed.
- Digital signature validation.
- File size limit.

Configurations

Filtering system can be:

- Connected to public network (Internet).
- Connected to sensitive network.
- Connected both to public and sensitive networks.
- Disconnected from any network (standalone).

SelectorIT Designer

- Admin application for defining filters.
- Can be local or shared among many filtering engines.

SelectorIT History

- Admin application for viewing and managing past filtering results and quarantine.
- Can be accessed locally or remotely.
- History (Log): reports all the information modifications and block reasons of files recursively.
- Quarantine: recursive repository of the blocked files, which can be extracted by admin.

On-premises vs. Service

- On-premises engine installation where needed.
- External filtering as a WEB service where preferred.

SelectorIT engine filters at least these file types

Word, Excel, PowerPoint

(Microsoft Office®)

Both Legacy & Open XML file formats supported.

Block the containing file, or remove the contained object:

- Images.
- Embedded files (OLE objects & Open XML packages).
- ActiveX controls.
- Macros.

Recursive filtering for: images, OLE objects & Open XML packages.

Block the file containing clipped image, or crop it permanently.

Reset shell properties.

Extract internal content for deep search.

Convert from Open XML to binary format, and back.

In Word: block the file containing changes, or accept all changes.

PDF

(Adobe®)

Block the containing file, or remove the contained object:

- Actions (including scripts).
- Embedded/ attachments files.
- Interactive forms
- Flash controls.
- Alternate text.

Regenerate filtered file. Remove unused objects.

Convert to image (of PDF).

Reset Metadata and Shell properties.

Textual

Block if contains non-printable characters.

Image

Double format conversion.

Random flattening to prevent hidden object (containing threat as well as data leak).

Archives

For 8 archive formats supported:

- Check for being an archive.
- Check integrity against supplied passwords.
- Recursively filter and block if content has been modified.
- Recursively filter and reassemble if content has been modified (also while encrypted with provided passwords).

HTML

Block the containing file, or remove the contained object:

- Scripts.
- Links.
- Hidden content.
- Inline frames.
- Inline data.

XML

Block the containing file, or remove the contained object:

- Scripts
- Links
- Anonymous streams
- Named streams.

Recursively filter named streams.

Validate by mandatory or forbidden attribute values.

Validate by schemas (XSD).

Sound

Double format conversion.

Random flattening to prevent hidden object (containing threat as well as data leak).

CAD, GIS

(Autodesk®)

Block the containing file, or remove the object:

- VBA Project.
- OLE Frames.
- Binary Segments.

CRL (Certificate Revocation List)

- Verify file format.
- Check the expiration date.
- Authenticate against certificate.

Messages

Supported 3 families of formats:

- Email formats.
- Calendar formats.
- Contacts format.

To the attachments in each format:

- Block the containing file.
- Remove the attachments.
- Recursively filter the attachments.

Other files types

Adding formats possibility.

Filtered by elementary features.

Magic bits checked against fakes.

Typeless

Adding formats possibility.

Missing extension deduces.

Filtered accordingly the extension.

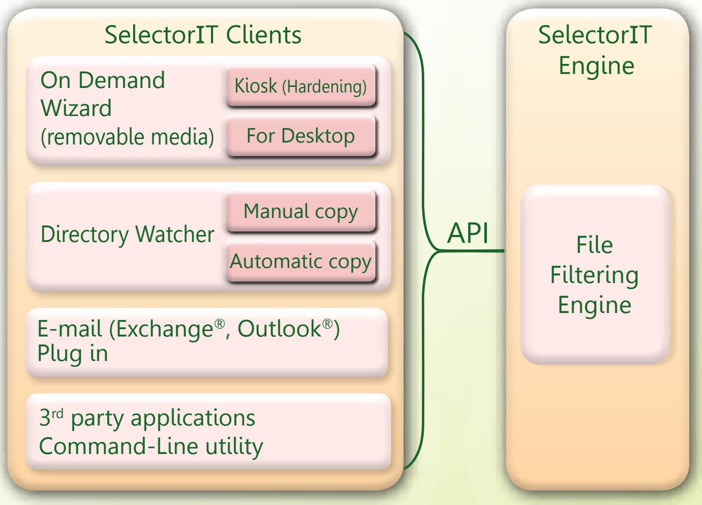
SelectorIT architecture

SelectorIT Engine

- Installed locally or remotely.
- Serve dedicated or common objectives.
- Dedicated filter for numerous file types.

SelectorIT Clients

- Several standard clients enabling interactive or automatic filtering.
- 3rd party clients can be made via API.



SelectorIT Clients

On Demand Wizard (removable media)

Kiosk (Hardening)

For Desktop

Directory Watcher

Manual copy

Automatic copy

E-mail (Exchange®, Outlook®) Plug in

3rd party applications Command-Line utility

API

SelectorIT Engine

File Filtering Engine

On-Demand

- Interactive.
- Multilingual.
- User management: access control, filters allocation.
- Installed as a dedicated Kiosk or on the employee's workstation.
- Can invoke filtering engine locally or remotely.
- Local hardening.

Directory Watcher

- Automatic.
- Can be fed with files manually or by a robot.
- Dedicated filter per source of files.
- Separate process priority per source of files.
- On-line monitor.

E-mail

Plug the filtering engine into:

- Microsoft Exchange®.
- Microsoft Outlook®.
- 3rd party Mail Relay.

3rd Party application

API to filtering engine using:
WEB service / Command line utility / DCOM

Why YazamTech?

YazamTech specializes in developing and manufacturing unique data security systems, providing reliable response to a wide range of security threats. YazamTech constantly expands its spectrum of technological security solutions as the number and variety of threats from files grows every day.

The complementary systems that we develop in YazamTech provide a solution to data related attacks as well as to data leak threats.

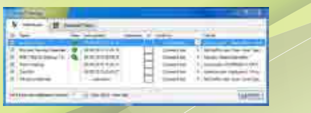
Acknowledging that those problems will continue to exist and that data transfer to and from a secured environment is usually necessary, YazamTech offers its security systems that minimize the risk of such transfer.

ShuttleIT

Securely, automatically, near-line transfer files between networks

VScanIT

Manage and Control the operation of many Anti-Malware engines



VectorIT

Transfer data in one direction via fiber optic cable

ActualIT

Automatically download updates for isolated systems

YazamTech has dozens of satisfied worldwide customers, providing evidence to the company's success in recognizing security needs, developing and integrating appropriate solutions. Our customers belong to the sectors of Government, Defense Industry, Military, Finance, Health, Education, Home Design and more.