![2 solutions — intelligent growth]

Sec-Gate

Data Security Redefined

Sec-Gate Cybersecurity

Sec-Gate is a comprehensive security solution designed to meet the high security requirements of industrial environments. It provides a secure platform for data transfer and verification, protecting critical infrastructure and ensuring uninterrupted production processes.

Sec-Gate Use Cases

Securely scan and manage external drives

Ensure secure data transfer between different network segments

Provide a security gateway to protect against cyber threats

Sec-Gate Components

Sec-Gate Kiosk Terminal App

Kiosk Touchscreen .NET WPF Application to run the 4 usecases:
1. QUICK SCAN, 2. USB-2-USB copy 3. USB-2-SHARE copy
4. DOWNLOAD-2-USB

Sec-Gate Desktop Client App

File Explorer like interface to access Sec-Gate solution.
Lightweight .Net WPF app, distribution & update via ClickOnce –
no admin rights required

Sec-Gate Web App

Sec-Gate web app offering all desktop app functionalities without
a dedicated client

Sec-Gate Automation Service Syncovery

3rd party app with Sec-Gate integration for all kinds of interfaces
to other protocols and services for all automation and integration
requirements

Sec-Gate Backend Server

Core Sec-Gate service with logic, RabbitMQ, Mongo DB and
integrated Rebex SFTP Server

Sec-Gate Analysis Backend

Backend services to analyse the data provided to Sec-Gate
(Choose different OnPrem AV Solutions (Kaspersky, Avira,
ClamAV, Bitdefender,…), CDR (Glasswall), Virustotal,
Sandboxing…)

Sec-Gate USB Guard

Client Windows Service to protect local USB ports against usage
of unauthorized storage devices (e.g. USB pen drive). If a USB
storage device has been scanned by the Sec-Gate system and was
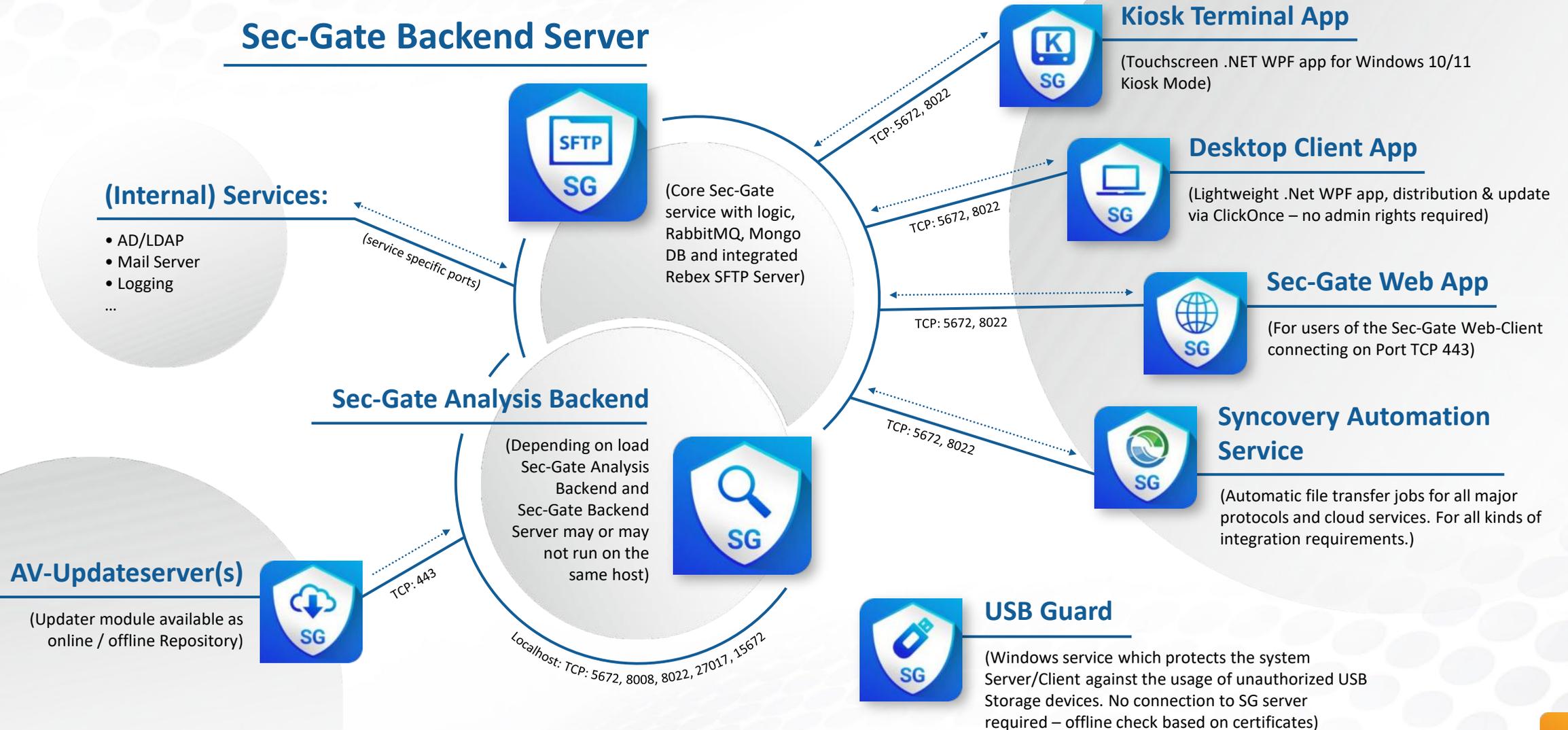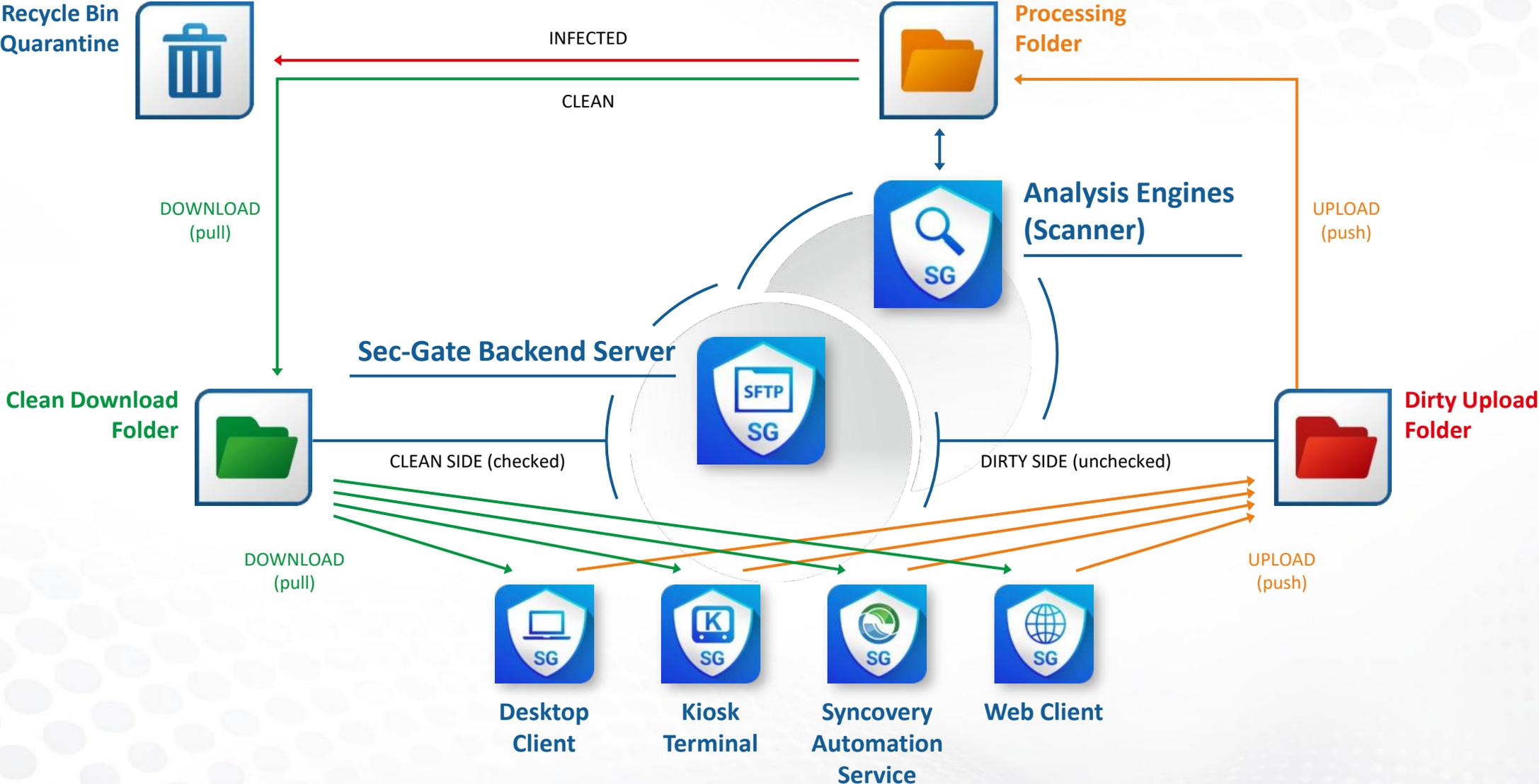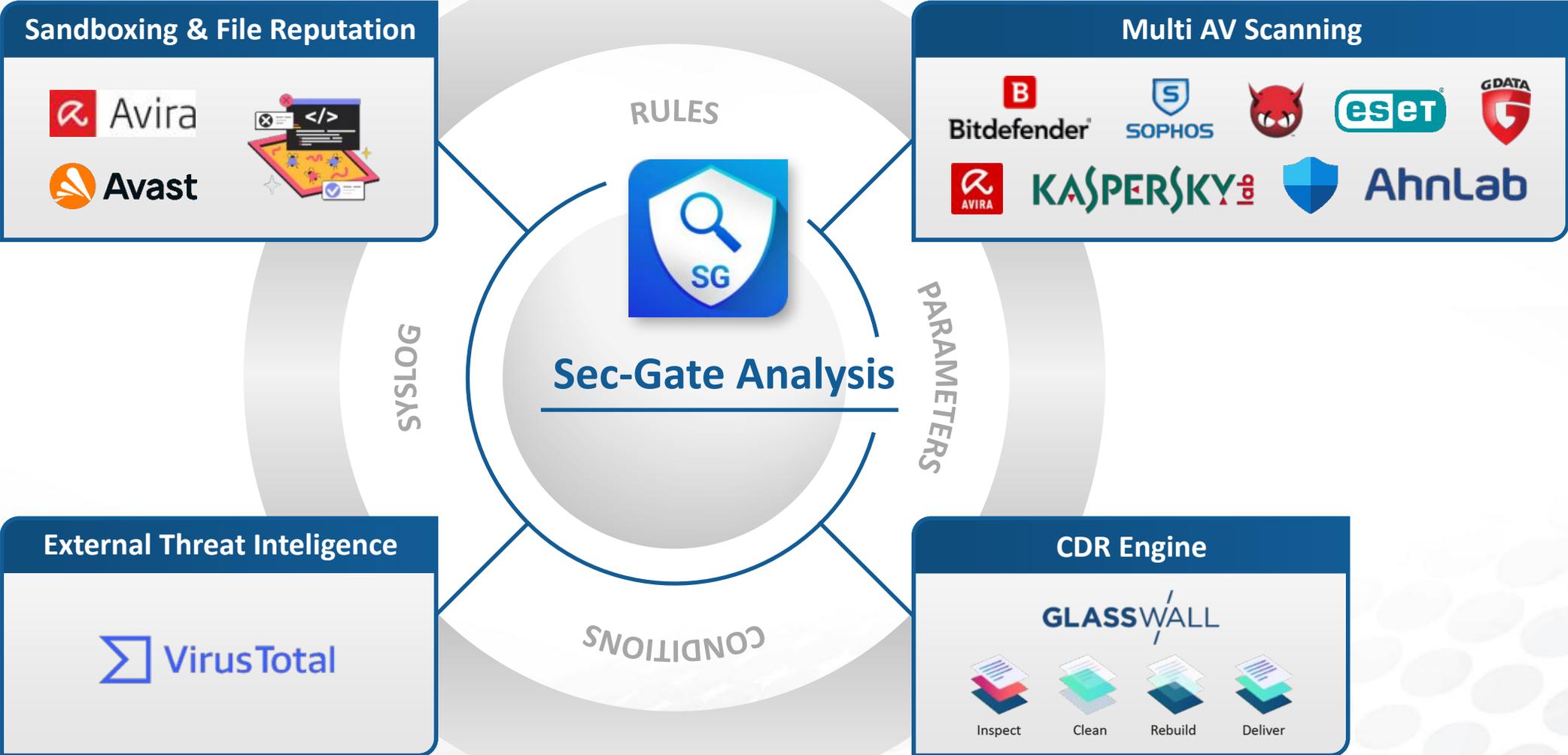marked as clean it may be used on the client machine.

Sec-Gate Technical Architecture

Sec-Gate Backend Server

(Core Sec-Gate service with logic, RabbitMQ, Mongo DB and integrated Rebex SFTP Server)

(Internal) Services:

- AD/LDAP
- Mail Server
- Logging
- …

(service specific ports)

Sec-Gate Analysis Backend

(Depending on load Sec-Gate Analysis Backend and Sec-Gate Backend Server may or may not run on the same host)

Localhost: TCP: 5672, 8008, 8022, 27017, 15672

AV-Updateserver(s)

(Updater module available as online / offline Repository)

TCP: 443

Kiosk Terminal App

(Touchscreen .NET WPF app for Windows 10/11 Kiosk Mode)

TCP: 5672, 8022

Desktop Client App

(Lightweight .Net WPF app, distribution & update via ClickOnce – no admin rights required)

TCP: 5672, 8022

Sec-Gate Web App

(For users of the Sec-Gate Web-Client connecting on Port TCP 443)

TCP: 5672, 8022

Syncovery Automation Service

(Automatic file transfer jobs for all major protocols and cloud services. For all kinds of integration requirements.)

TCP: 5672, 8022

USB Guard

(Windows service which protects the system Server/Client against the usage of unauthorized USB Storage devices. No connection to SG server required – offline check based on certificates)

Sec-Gate Workflow

Recycle Bin Quarantine

Processing Folder

INFECTED

CLEAN

DOWNLOAD (pull)

Analysis Engines (Scanner)

UPLOAD (push)

Sec-Gate Backend Server

SFTP SG

Clean Download Folder

CLEAN SIDE (checked)

DIRTY SIDE (unchecked)

Dirty Upload Folder

DOWNLOAD (pull)

UPLOAD (push)

Desktop Client

Kiosk Terminal

Syncovery Automation Service

Web Client

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Sec-Gate Analysis Backend - Zero-Trust File Protection

Sandboxing & File Reputation

Multi AV Scanning

RULES

SYSLOG

PARAMETERS

Sec-Gate Analysis

External Threat Inteligence

CONDITIONS

CDR Engine

GLASSWALL

Inspect   Clean   Rebuild   Deliver

Hardware Options for the Sec-Gate System

Standard Hardware
+ i2solutions Extensions

Large Kiosk (with 19" rack)

Mobile Client

Small Kiosk

Large Kiosk in
Corporate Design

Screenshot Kiosk App (Touchscreen)

Screenshot Windows Client App

Screenshot Windows Client App

Screenshot Web App

Screenshot Syncovery Automation

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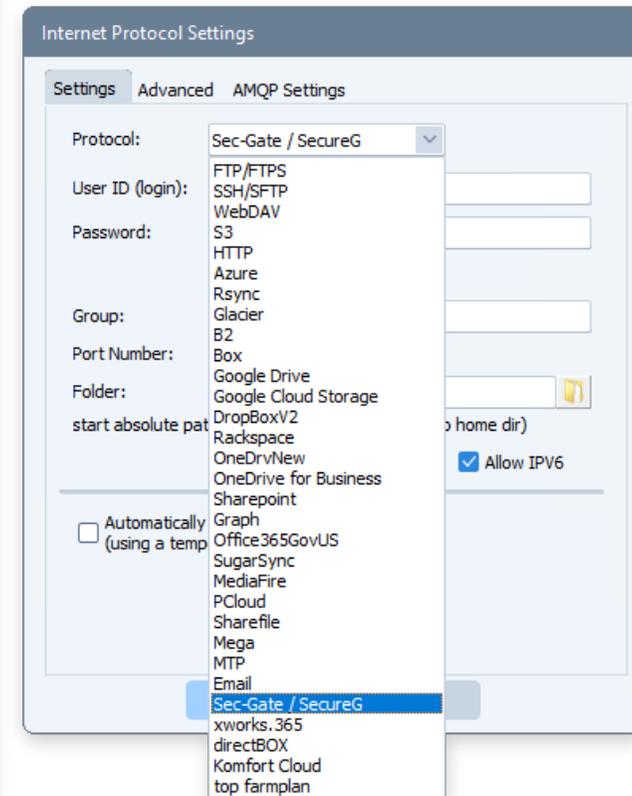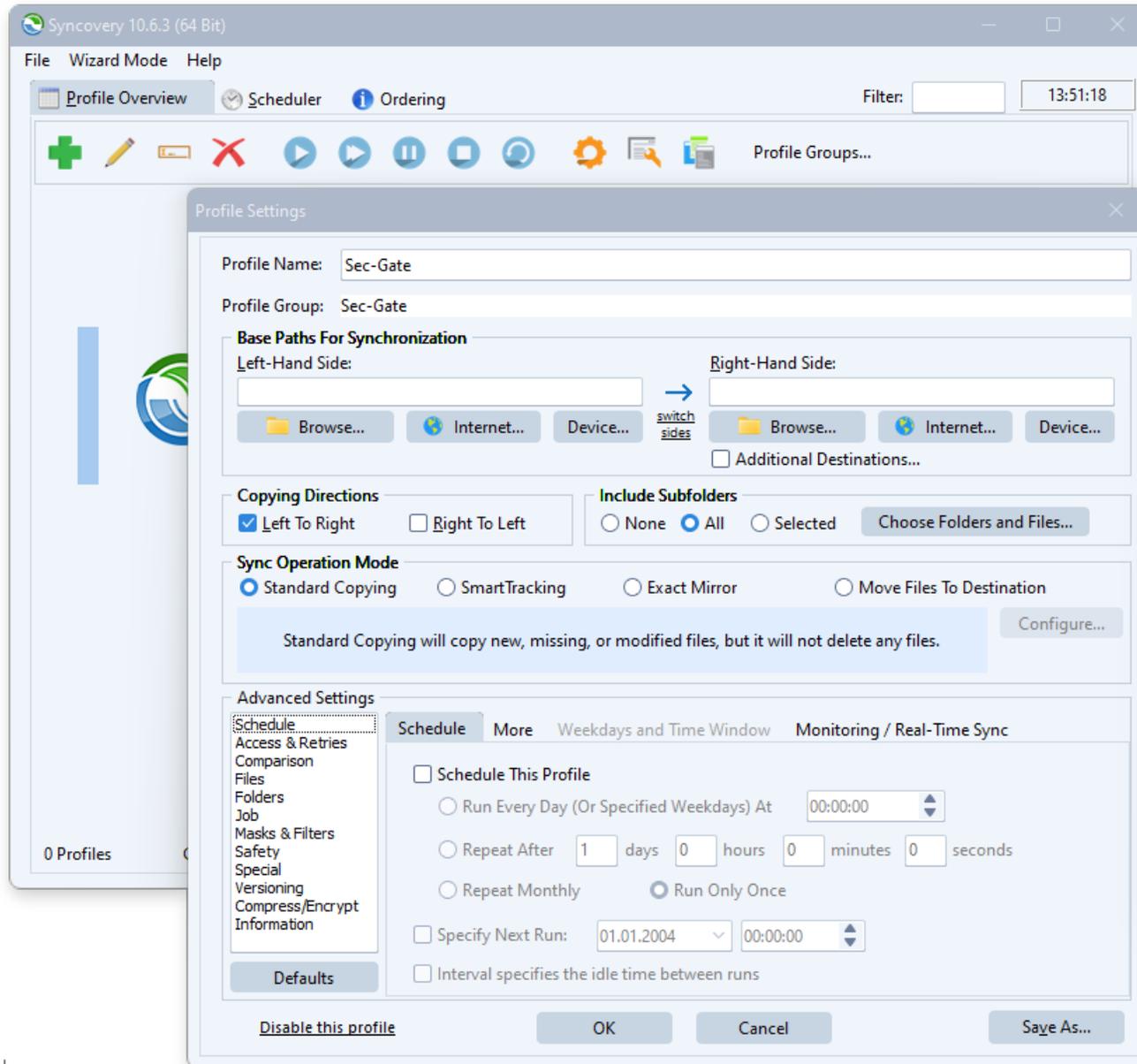
Sec-Gate Offers the Following Security and Data Protection Benefits

Zero-Trust File Protection
Comprehensive threat protection through a combination of sandboxing, multi-AV scanning and CDR

Usability
Simple and intuitive user interfaces for kiosk terminals, desktop and web applications

Optimised Workflow
Seamless and efficient management of security processes through automated checks and centralised data management

Flexible and customized
Customisable, including custom hardware solutions and branding options

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