GATESCANNER Injector

The Injector Concept

The Gate Scanner Injector is a unidirectional diode, allowing data to travel from one network to another in one direction only, eliminating any possibility for data to travel in the opposite direction. This design and connection does not allow any data to be extracted from the destination network, by that upgrading the network security, protection and management. The Gate Scanner Injector was developed to complete **the Gate Scanner solution, which offers clients an integrated process of scanning and transferring files into a network.**

The Injector Solution/Process

The GateScanner Injector Product Kit Includes:

• Receiver Software.
• License Dongle.

Transmitter Software:

Can be installed on any computer (SSD Drive Recommended),

the transmitter application monitors a specific directory (Source Directory) for new files. When a new file is detected, it is streamed and broadcasted in predefined sized packs. When a file transition is complete the file is moved to the Transmitted directory, if successful or to the Failed directory if not successful. This application also enables "Network restrain" and "Double send" options to minimize transition packet loss.

Receiver Software:

Can be installed on any computer (100MB - SSD Drive Recommended / 1GB - Windows 2012 R2 Server and SSD Drive Required), the receiver **application, like the Transmitter software, also dedicates a specified directory (Target Directory) to place received files in. The file receiving process is done within the Target directory. Only if a file is verified it is moved to the "Verified" sub directory or otherwise to the "Failed"** directory.

Scheduler:

Both applications (Transmitter and Receiver) scan related directories: Source directory - Transmitter or Target directory - Receiver. When installing any of the two applications, prompt dialogues pop up for **"SMPT" mail address and scheduler settings. This specifies how many hours a file should remain in any of the corresponding directories,** including maximum size for these directories. The directories are **scanned every hour, and an e-mail notification is sent to specify all deleted files. Also, if the directories exceed the specified size, an e-mail notification is sent with a warning.** all notification and events are logged by the scheduler.

Gate Scanner Injector Basic Typology
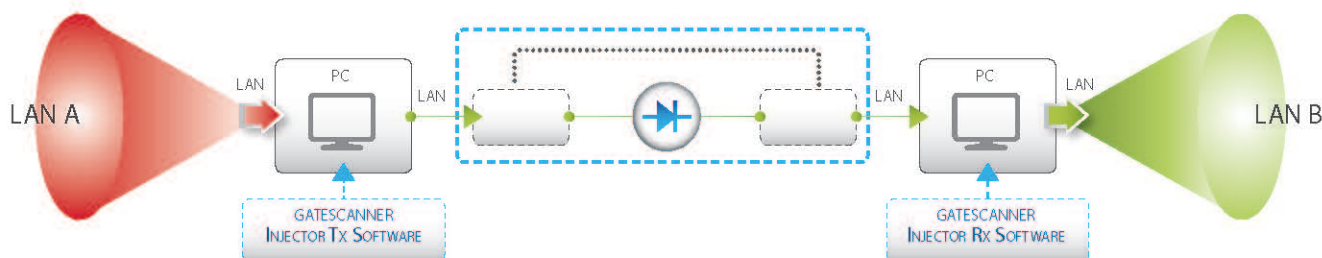
Gate Scanner Injector Configuration for Data Transfer to Different Classified Networks

Sasa Software
Smart Made Simple.
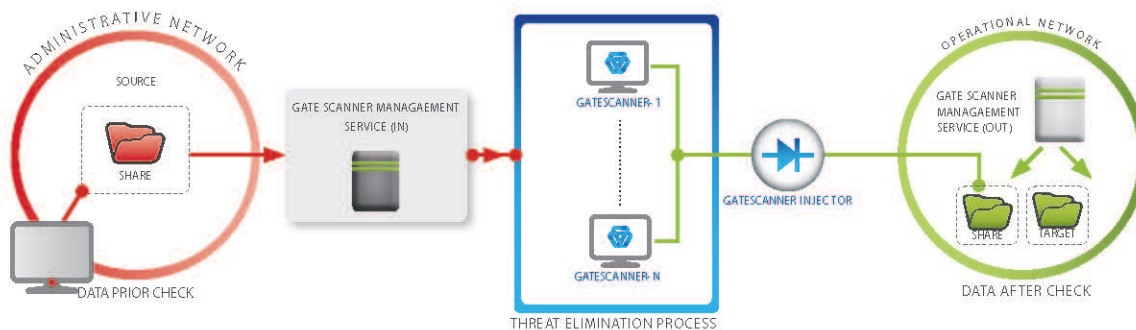
Gate Scanner Injector

Injector Capabilities

- **Based on 100MB /1GB connected fiber boxes.**
- Supports SMB protocol – Files transfer.
- Support for SMTP Protocol, Simple TCP and UDP Protocols.
- Support for Syslog.
- RX Client can 'push' transferred data using UNC/SMB to a shared folder in the destination network.
- **'Iron folders' (both on the transmitter and receiver) - Supports files transfers for different applications. Folders will not be erase by the scheduler.**
- Parrallel File Transfer (1GB), File Type Filter (1GB)
- **Full history of files transfers.**
- **Configurable working ports**
- 'Debug' mode (full & detailed logs)
- **Option: transferring files twice or more (for extra confirmation).**
- Real time error & warning messages.
- **Timeout for files transfer.**
- **Scheduler: different configuration options on both transmitter & receiver end (with different STMP and recipient).**

  deliver files in the source network and the destination network.

Gate Scanner Injector Performance (100MB) :

Total File size	Number of files	Send Time	Overall Time	Average data transfer per hour
4.02 Gb	6854	0:16:12:469	0:16:35:282	14.88 Gb
150.14 Gb	6488	6:43:37:183	19:20:43:261	22.31 Gb
182.61 Gb	3336	7:50:17:929	20:27:24:353	23.29 Gb
86.54 Gb	3999	4:32:18:418	20:14:15:176	19.06 Gb
60.01 Gb	649	1:33:13:955	1:46:55:582	38.61 Gb
60.01 Gb	649	1:32:49:310	1:45:47:414	38.78 Gb
19.84 Gb	8	0:34:07:143	0:34:07:160	34.89 Gb

Performance Overall:

- Capacity 100MB: 40GB/Hour
- Capacity 1GB: 160GB/Hour

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