



WATERFALL

One Way to Connect

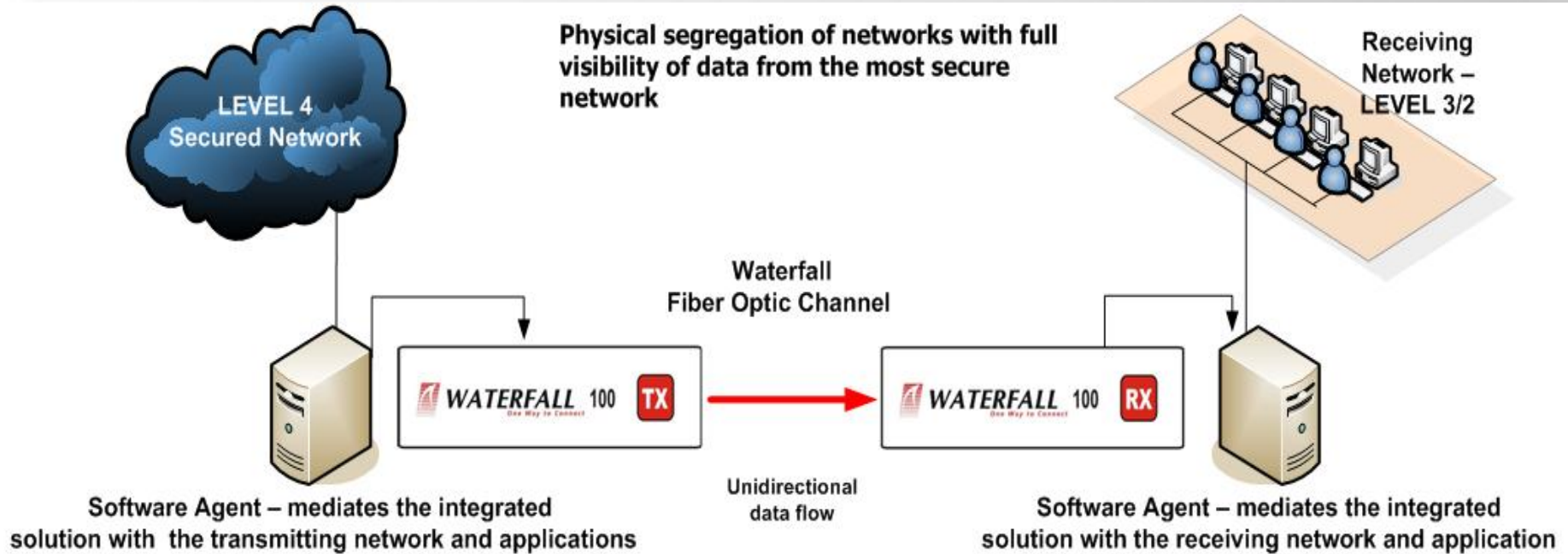


Waterfall One Way – Unidirectional connectivity for securing critical networks

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Unidirectional Gateway Solution



- Security promise
 - Hackers on the outside have no physical hacking path
 - The secured NETWORK is protected (with all internal assets)
 - Hacking sessions are impossible
 - Absolutely no data transfer in the “wrong” (i.e. RX→TX) direction





Why Waterfall?

- SCADA-centric
 - Unidirectional gateways built for CNI market
 - First industrial installation at a CNI– 2006
 - Support Historian replication solutions built on the basis of the historian SDK and API's. (OSIsoft PI, Instep eDNA, GE iHistorian, Siemens WINTS)
 - Support all SCADA protocols – OPC; MODBUS; ICCP; DNP3
- Hardware
 - 1 Gb link supported
 - Solution is hardware invariant
 - Hot swap facility
- High availability
 - Software supported
 - Hardware supported



Why Waterfall?

- **Leading Industrial Applications/Historians**
 - OSISoft PI, GE iHistorian, GE iFIX, Scientech R*Time
 - Rolls Royce DS&S, Instep eDNA, GE OSM, Siemens WinCC, SIMATIC
- **Leading IT Monitoring Applications**
 - Log Transfer, SNMP, SYSLOG
 - CA Unicenter, CA SIM, HP OpenView
 - Matrikon Alert Manager
- **File/Folder Mirroring**
 - Folder, tree mirroring, remote folders (CIFS)
 - FTP/FTFP/SFTP/TFPS/RCP
- **Remove Screen View™**
 - Unidirectional transfer of real-time screen display capture
- **Leading Industrial Protocols**
 - Modbus, OPC (DA, HDA, A&&E)
 - DNP3, ICCP
- **Other connectors**
 - UDP, TCP/IP
 - Video/Audio stream transfer
 - Mail server/mail box replication
 - IBM Websphere MQ series
 - Antivirus updater, patch (WSUS) updater
 - Remote Print server





Waterfall implementations in the US

Over 15 states, more than 28 operational sites

