OPEN-SOURCE TECHNOLOGY TARGET TO INFRASTRUCTURE, CYBERSECURITY AND DATA PRIVACY

Aim of developed technology

Provision of comprehensive and affortable alternative to economically expensive and functionally excessive solutions for large corporate heterogenous networks in the field of infrastructure management and network and data security. Provider is able to realize individual elements separately.

Potential adopters of technology

SMEs, government bodies, schools and educational institutions, non-profit sector. The technology is recommended for small networks till 500 users.

Market and context of technology

Regards to the legislation in force, securing the cybersecurity is the primary task for every entity. Analysis, proposal and testing by an independent institution (provider/inventor) are not influenced by producers in particular technology fields. Implementation of open-source security technologies increases the efficiency of perimeter safety in network infrastructure while minimizing financial difficulty and is available also for small users – see article potential adopters.

Preconditions in adopting enterprises

Realization of solutions (also partial) is conditional by appropriate individual operations in connection with choosen range of solutions:

- Analysis of penetration testing of status quo,
- Analysis of needs,
- Theoretical proposal and implementation schedule of security open-source technologies,
- Implementation of security open-source technologies,
- Optimalization of network infrastructure,
- Implementation of security open-source in sharp contract owner environment,
- Penetration testing seeded infrastructure,
- Seed correction according to actual needs.

Preconditions in adopting enterprises

Regards to the sustainability of operation, open-source technologies are selected with long-term planned support. Service and administration can be realize by company emloyees, employees of R&D staff or in cooperation with partner technology companies ir institutions in region.

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