

Distributed Databases

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2 Requirements

2.1 Security

2.2 Transparency

2.3 Availability

2.4 Performance

2.5 Integration

2.6 Management

3 Functionality

3.1 Structure of the Tunnel

3.2 Communication of Data

3.3 Authentication

3.4 Transfer

3.5 Scenario

4 Scope

4.1 Site-to-Site

4.2 Site-to-End

5 Advantages and Disadvantages

5.1 Advantages

5.2 Disadvantages

6 VPN Protocols

6.1 Point-to-Point-Tunneling Protocol (PPTP)

6.2 Layer2-Tunneling Protocol (L2TP)

7 VPN IPSec

7.1 IPSecurity Protocol

7.2 Authentication

7.3 Encryption

7.4 Services

- Transport Modus
- Tunnel Modus

7.5 Connection establishment

7.6 SA - Security Association

8 Conclusion

References

- [1] Zitate leicht gemacht