

## Abstract

During this Internship Report a solution for the realization of an access out of the Internet onto a database in a private network is developed.

Primary a short introduction to basic network technology is given and the customer requirements are presented. The customer demands to use MS Terminal Server Edition and MS Terminal Services Advanced Client with Remote Desktop Protocol. These features enable remote workers to get access to a private network. The features that are provided and characteristics of this technique to create remote access will be explained as well as the conditions made to the implemented hardware will be constituted. To mention on point, it is possible to use various platforms in conjunction with these by Microsoft developed techniques.

As an alternative to the above mentioned technologies a Virtual Private Network (VPN) can be implemented. The capabilities appearing with realizing a VPN also in connection with Remote Access Services are elucidated in detail. For example the high safety level initiated by using high standard protocols, as there are among others Point-to-Point Tunneling Protocol, or Internet Protocol Security, will be demonstrated.

Finally a solution with VPN suggested to reach safety access to the private database Scout.

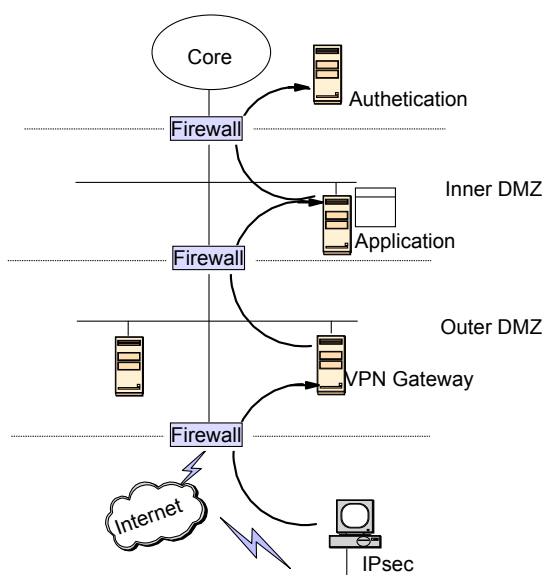


Figure 12: Possible Solution to realize Access to Scout