




Shadow Shield AD Security Server

Powered by:  Windows Server 2012

Shadow Shield Technical White Paper

Shadow Shield is designed for large networks with geographically disperse locations. Shadow Shield ADS offers dedicated hardware and management software for end to end management of secure access to on-premises and cloud resources

WAN Optimization

Shadow Shield leverages Windows Sites & Services and Active Directory Domain Services Functionality to localize all endpoint security transactions. Wide Area Networks connected to a central Active Directory Server have to send Authentication and Security information over the connection. Whether this is VPN, MPLS or Metro Ethernet it creates a lot of traffic. Shadow Shield localizes this traffic to the site optimizing communication and maintaining security. All endpoint authentications including DNS can stay local to the remote location.

Maintain Security

Windows Active Directory is the primary source of Security for most networks. Even extended security systems rely on the Active Directory for the base level security. In a Wide Area Network this security can be compromised if [the](#) connection to the Active Directory Servers is lost. Shadow Shield uses Sites & Services to localize all security, scripts and security policies to ensure the endpoints are safe. Without the connection to the Active Directory Server Endpoints are left exposed and vulnerable.

Application Support & Continuity

Shadow Shield ensures users can access their local workstations and applications if the Wide Area Connection has been disrupted. By using the Active Directory® Domain Services (AD DS) server role, you can create a scalable, secure, and manageable infrastructure for user and resource management, and you can provide support for directory-enabled applications, such as Microsoft® Exchange Server. ... AD DS provides a distributed database that stores and manages information about network resources and application-specific data from directory-enabled applications. The hierarchical containment structure includes the Active Directory forest, domains in the forest, and organizational units (OUs) in each domain.

Extended Features

The Shadow Shield Server offers several extended features for remote locations such as Local Storage, Remote File Backup, Network Access Controls, Local Security Scans and Enterprise File Sharing, Syncing and Distribution with MyDrive.

