PRODUCT SHEET

Advantal™

ADVANTAL'S DATA SECURITY SOLUTION

Advantal's data security solution (DSS) makes sure that your data is as secure as you want it to be. The solution implements data security while data is: at-rest and in-transit. Most applications only make sure that your data is secure while in-use and their terms of service doesn't cover the in-transit and at-rest feature.

Offered DSS comprises of two major components for ensuring encryption of Data-at-Rest as well as Data-in-transit. For in-transit we use custom VPNs and for at-rest full device encryption at hardware level using Secure Box.

- Advantal's VPN solution provides protection of the data which is moving over the network (data-in-transit).
- Solution is implemented as a software/Android client on the end user devices and a custom backend that manages the communication and keeps the logs.
- Data security for data-at-rest is powered by AES-256-bit encryption.
- Secure Box is implemented as a software/Android client on the end user devices and a custom backend that manages the user and communication.

VPN KEY POINTS

- With its simple user interface, the VPN client offers point-and-click VPN activation and streamlined management tools to minimize support requirements.
- VPN supports multiple redundant gateways to ensure mission-critical network access in the event the primary gateway fails.
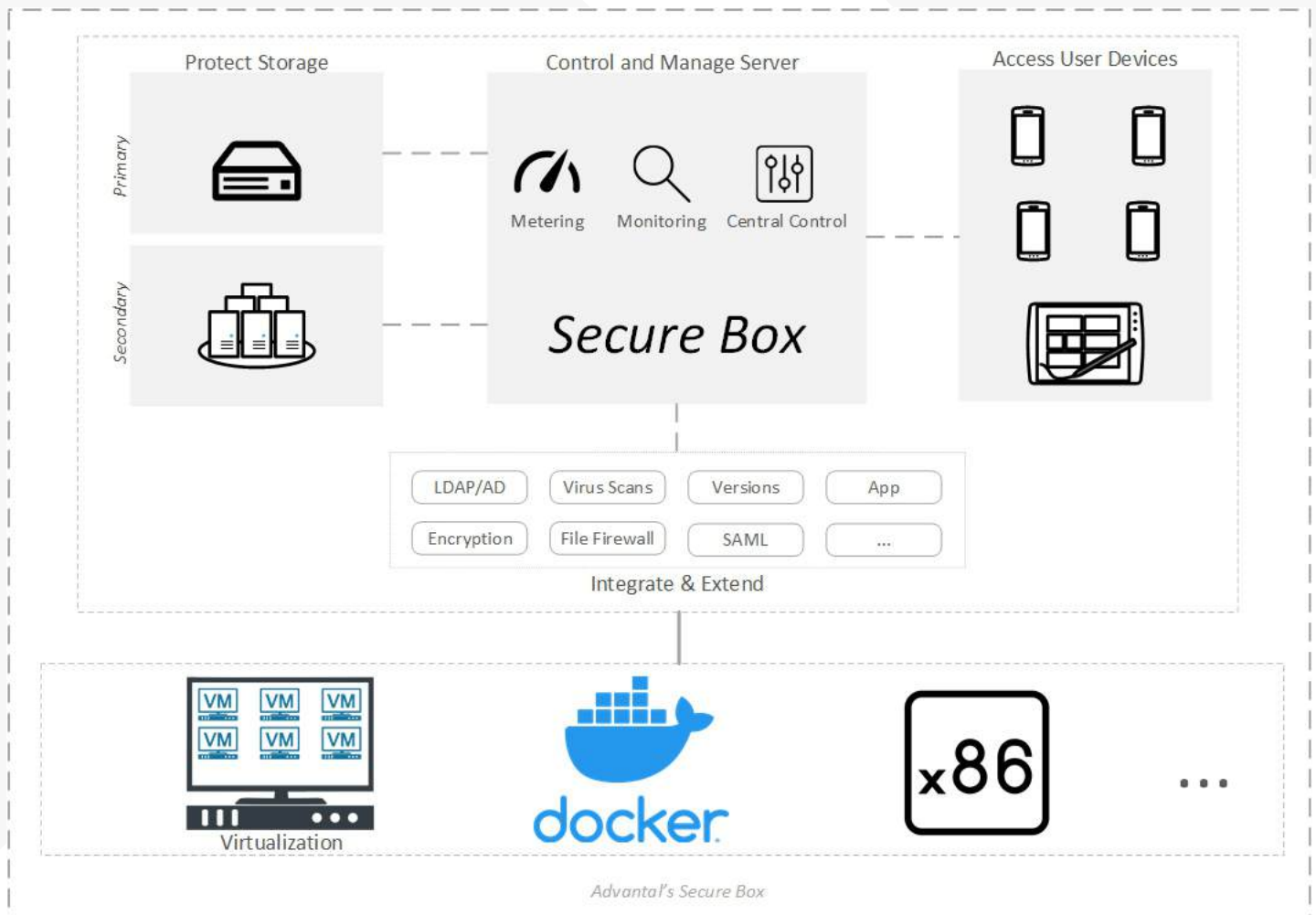
SECURE BOX KEY POINTS

- Secure activation and login of account with device binding.
- Files are stored as encrypted data on device.
- Files can be shared with user-specific passkey.

VPN SOLUTION ARCHITECTURE

LAN

[XXX.XXX.XXX.XXXX]

VPN — IP Sec Tunnel — Switch — [XXX.XXX.XXX.XXXX] [XXX.XXX.XXX.XXXX] [XXX.XXX.XXX.XXXX] [XXX.XXX.XXX.XXXX]

Local Area Network

Public IP Address

Data Network

VPN Connection

VPN Connection — VPN Connection

VPN Client – Android 1
[XXX.XXX.XXX.XXXX]

VPN Client – Android 2
[XXX.XXX.XXX.XXXX]

VPN Client – Android 3
[XXX.XXX.XXX.XXXX]

Advantal's VPN Solution

VPN FEATURES

- VPN client can be set up to lock critical configuration information from the user to prevent tampering.

- Ipsec VPNs authenticate and encrypt every communication session. Layer-3 VPN technology is highly scalable and allows flexible any-to-any connectivity.

- Encrypt communications from unmanaged mobile devices. Both web-based and network-level access through SSL/TLS encryption is delivered through a browser.

SECURE BOX SOLUTION ARCHITECTURE

SECURE BOX FEATURES

- AES-256-bit encryption is used for files.

- Passcode enabled access to files on device.

- User can Store all the files on the device only.

- Secure file system for easy management and file transfer.

- Files / attachments can be uploaded from third party.

- Secure Box supports File Transfer Protocols such as SSL/FTPS, SSH/SFTP, HTTP/S, SMTP/POP3, CIFS/SMB.

- HTTPS enabled web services and admin panel.

DSS FEATURES

- VPN client can be set up to lock critical configuration information from the user to prevent tampering.
- Automatic, encrypted tunnels for controlled validated per-session access to applications.
- Secure activation and login of account with device binding.
- Files are stored as encrypted data on device.
- AES – 256-bit encryption is used for files.
- Passcode enabled access to files on device.
- Files can be shared with user-specific passkey.

VPN SOLUTION

- Automatic, encrypted tunnels for controlled validated per-session access to applications.
- Advanced threat protection against exploits and advanced malware.
- When deploying VPN solutions by IT admins it ensures that VPN deployments work smoothly, don't waste server resources, and enforce strict security policies that prevent data leakage.
- Automatic reconnection of VPN tunnels when the server side disconnects. Server-side disconnections are more difficult to detect and handle than device-side disconnections, which are usually related to detectable conditions like loss of connectivity or the presence of new network connections.

SECURE BOX

- Set advanced passcode restrictions
- It delivers the visibility, control and integration into complex, secure and compliant environments that IT needs while providing users the frictionless access to all of their files from any device.
- It provides a safe, secure and compliant file synchronization, storage and sharing system that is deployed on servers (controlled by the client).
- Secure Box provides end-to-end encryption so the files can be shared as well as stored safely. Data cannot be intercepted during the syncing process.
- The Secure Box Admin Panel was designed to provide diverse functionalities from user management.
- Customer Management – manage customer records.

Contact for Support

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