

stonebranch

Universal Data Mover

—
goes SFTP

Christian Bruns

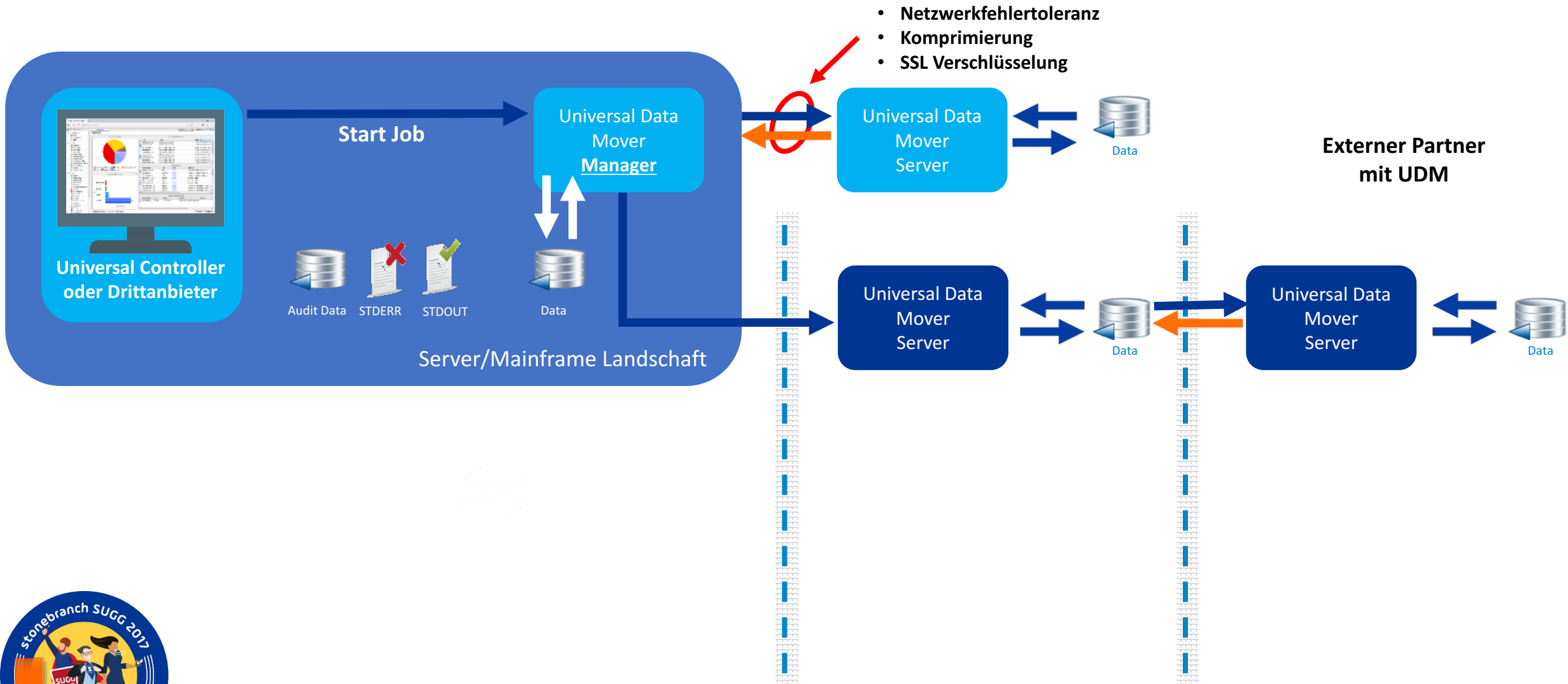


01 Universal Data Mover
6.3.0.0

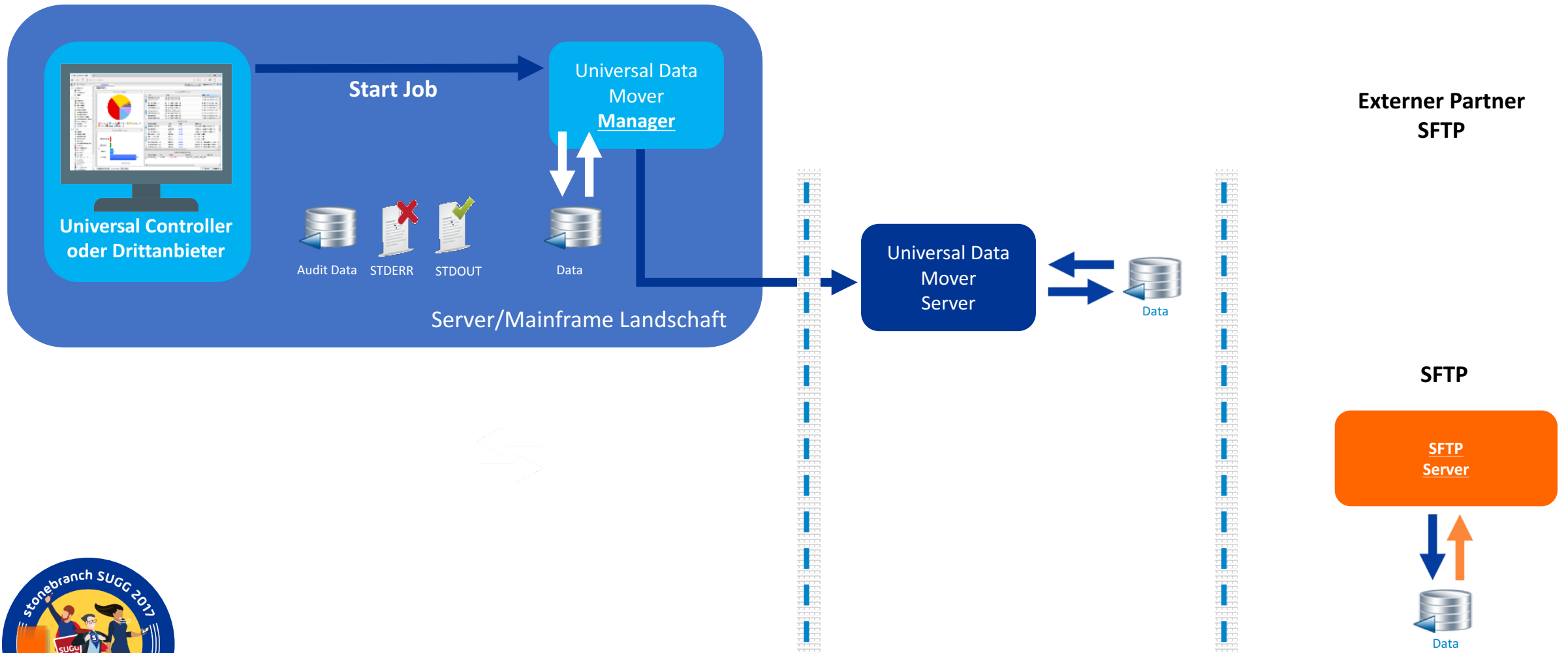
02 Universal Data Mover goes SFTP
6.4.0.0



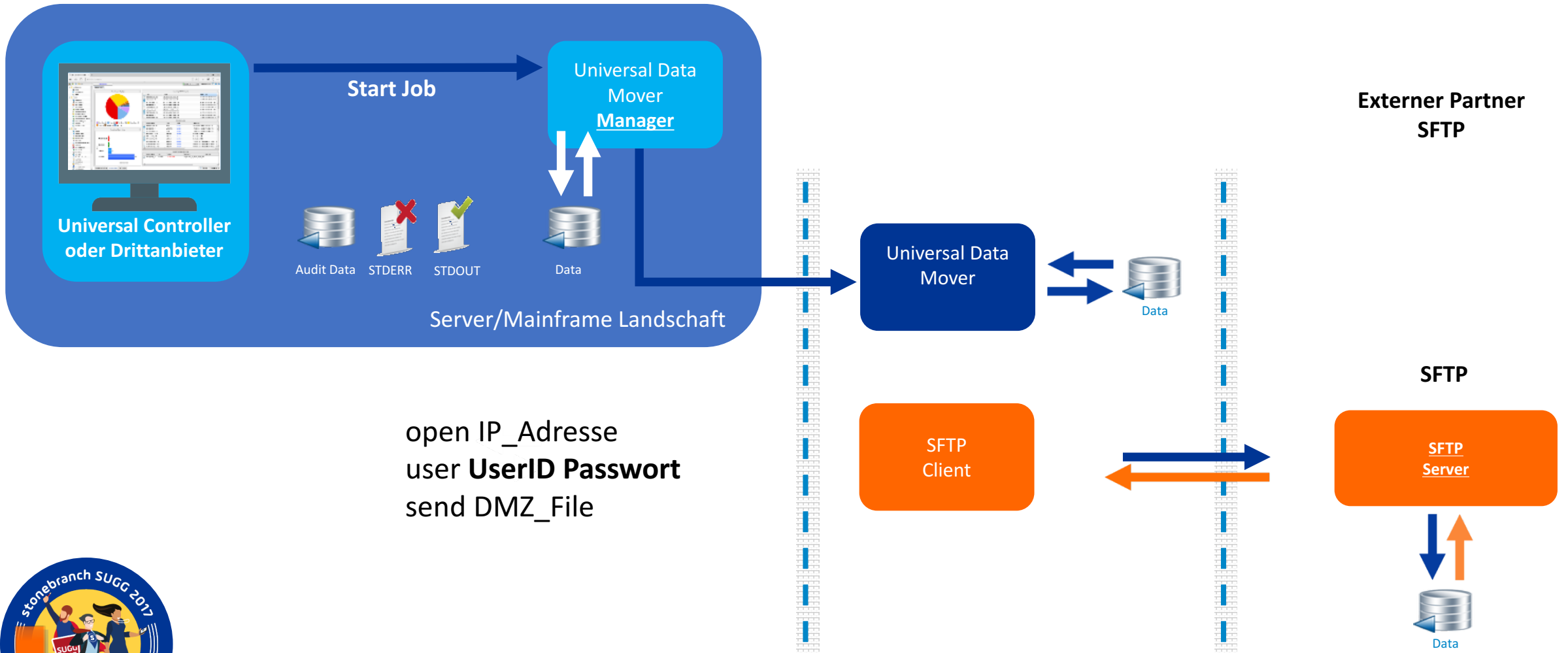
Universal Data Mover zwei und drei Party Transfer



Universal Data Mover



Universal Data Mover mit native FTP



open IP_Adresse
user **UserID** **Passwort**
send DMZ_File



Universal Data Mover goes SFTP

Schwächen des FTP

- SFTP native
 - Aufruf über UCMD oder exec im UDM Script
 - Separates SFTP Script
 - User und Passwort in Klarschrift, keine Verschlüsselung
 - Somit kein KEY zur Verschlüsselung
 - RC 0 auch bei falschem Passwort
 - Kein Einfluss auf die Verschlüsselung
 - Bedingte Proxy Nutzung
 - Kein Regular Expression Unterstützung

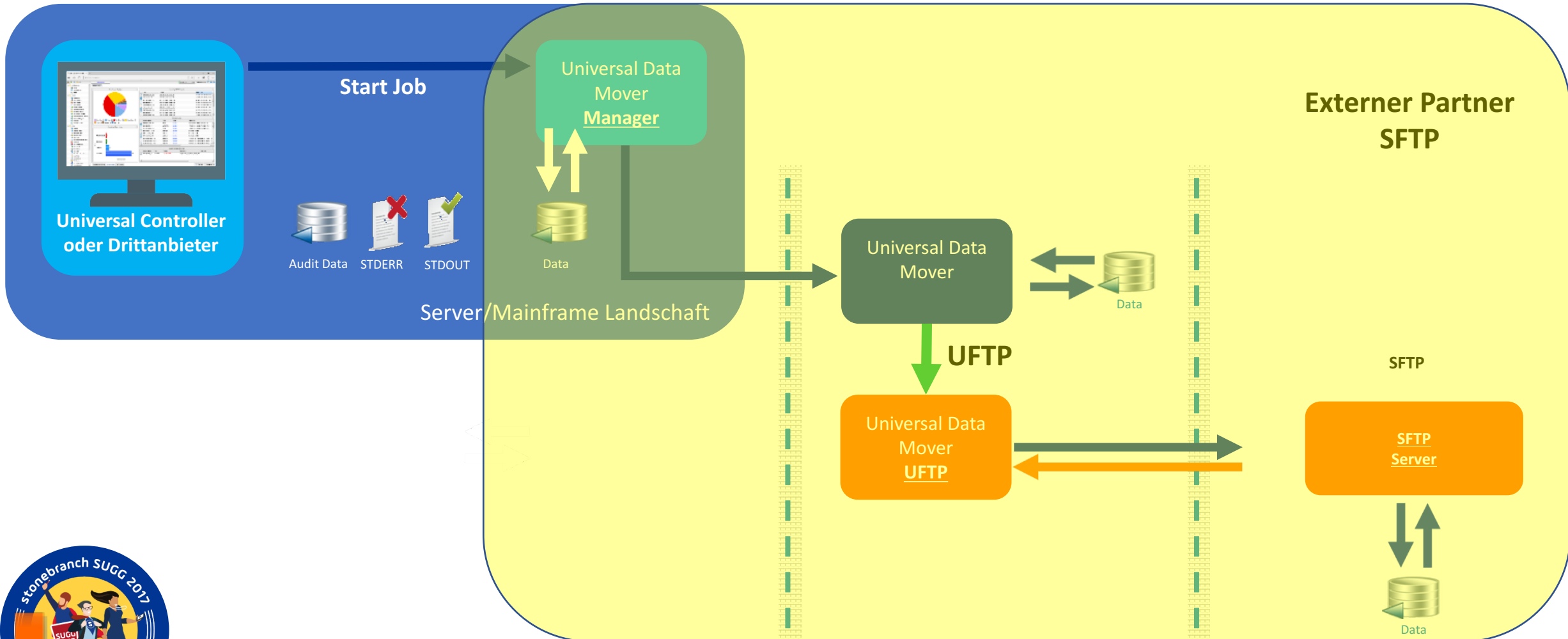
FTP mit falschem User

```
ftp> open 192.168.178.20
Verbindung mit 192.168.178.20 wurde hergestellt.
ftp> user wrong wrong
331 User name okay, need password.
530 Not logged in.
Anmeldung fehlgeschlagen.
ftp> quit
221 Service closing control connection.

error level from ftp script: 0
```

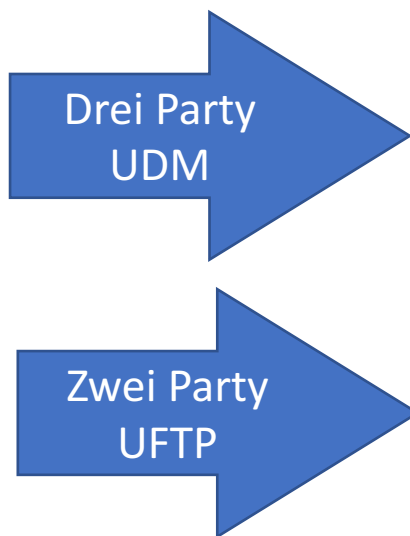


Universal Data Mover mit UFTP



Universal Data Mover goes SFTP

Einbindung UFTP in UDM Script



```
open LAN=LAN_Server xfile=lan.enc +
    DMZ=DMZ_Server xfile=dmz.enc

#
copy LAN=LAN_File +
    DMZ=DMZ_File

#
# uftp aufrufen und per PUT mit SFTP an Partner senden
#
exec DMZ cmd="uftp -
                -host      Partner_Server -
                -x         Partner.enc    -
                -protocol SFTP           -
                -cmd      PUT             -
                -src      DMZ_File       -
                -dst      Partner_File    "
```



Universal Data Mover goes SFTP

Was kann UFTP

Protokolle

- FTP
- FTPS
- SFTP
- TFTP

Funktionen

- GET
- PUT
- MGET Wildcard
- MGET Regular Expression
- MPUT Wildcard
- MPUT Regular Expression
- DELETE
- MDELETE Wildcard
- MDELETE Regular Expression
- MKDIR
- RMDIR
- LIST



Universal Data Mover goes SFTP

Stärken des UFTP

▪ UFTP

- Aufruf über UCMD oder exec im UDM Script
- UDM Variablen Unterstützung
- User und Passwort verschlüsselt gespeichert
- Keystore
- Eindeutige RC's
- Proxy Unterstützung
 - HOST, Port, Type
- Wildcard und Regular Expression MGET/MPUT
- SSL Verschlüsselung FTPS



Universal Data Mover goes SFTP

SSL Verschlüsselung out of the box

- AES256-GCM-SHA384 256-bit
 - AES encryption in Galois Counter Mode,
 - SHA-2 384-bit message digest
 - —> **BSI-Empfehlung: 2023+**
- AES128-GCM-SHA256
 - 128-bit AES encryption in Galois Counter Mode,
 - SHA-2 256-bit message digest
 - —> **BSI-Empfehlung: 2023+**



Universal Data Mover goes SFTP

Eindeutige gewohnte Messages

UNV6514I Universal FTP Client component 1506766997 registered with local Broker.

UNV6599I protocol not configured by host or proto options - defaulting to FTP.

UNV6500I Universal FTP Client (x64) 6.4.0 Level 0 Release Build 110 started.

UNV6503I Command line: uftp -i 127.0.0.1 -u customer -w XXXXXX -cmd put -src c:\temp\cbr.txt

UNV6663I Server OS is UNIX.

UNV6646I PUT: successfully transferred local file c:\temp\cbr.txt to remote file cbr.txt.

UNV6674I cURL return code: 0

UNV6659I Final server response: 226 /cbr.txt

UNV6501I Universal FTP Client 6.4.0 Level 0 Release Build 110 ended successfully.



Universal Data Mover goes SFTP

Eindeutige Fehlermeldungen

UNV6514I Universal FTP Client component 1506766998 registered with local Broker.

UNV6599I protocol not configured by host or proto options - defaulting to FTP.

UNV6500I Universal FTP Client (x64) 6.4.0 Level 0 Release Build 110 started.

UNV6503I Command line: uftp -i 127.0.0.1 -u wrong -w XXXXXX -cmd put -src c:\temp\cbr.txt

UNV6690E GetServerOS failed: (2) cURL reports login failed because user or password was not accepted.

UNV6690E UFTPMMain failed: (2) The FTP Client operation failed.

UNV6673I Final server response code received: 530

UNV6659I Final server response: 530 Not logged in.

UNV6502E Universal FTP Client 6.4.0 Level 0 Release Build 110 ended unsuccessfully with exit code 1002.





Thank you!

Contact Information

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