



Product Information

YADE Use Cases

Use Case
Scenarios

- **Server-to-Server File Transfer**
 - Server-to-Server Transfer

- **File Transfer with Jump Host**
 - Push Files to Internet via Jump Host
 - Pull Files from Internet via Jump Host
 - Pull Files from DMZ in Near Real Time

File Transfer: Server-to-Server Transfer

Use Cases for typical file transfer tasks: Server-to-Server File Transfer

Use Case Scenario

Use Case

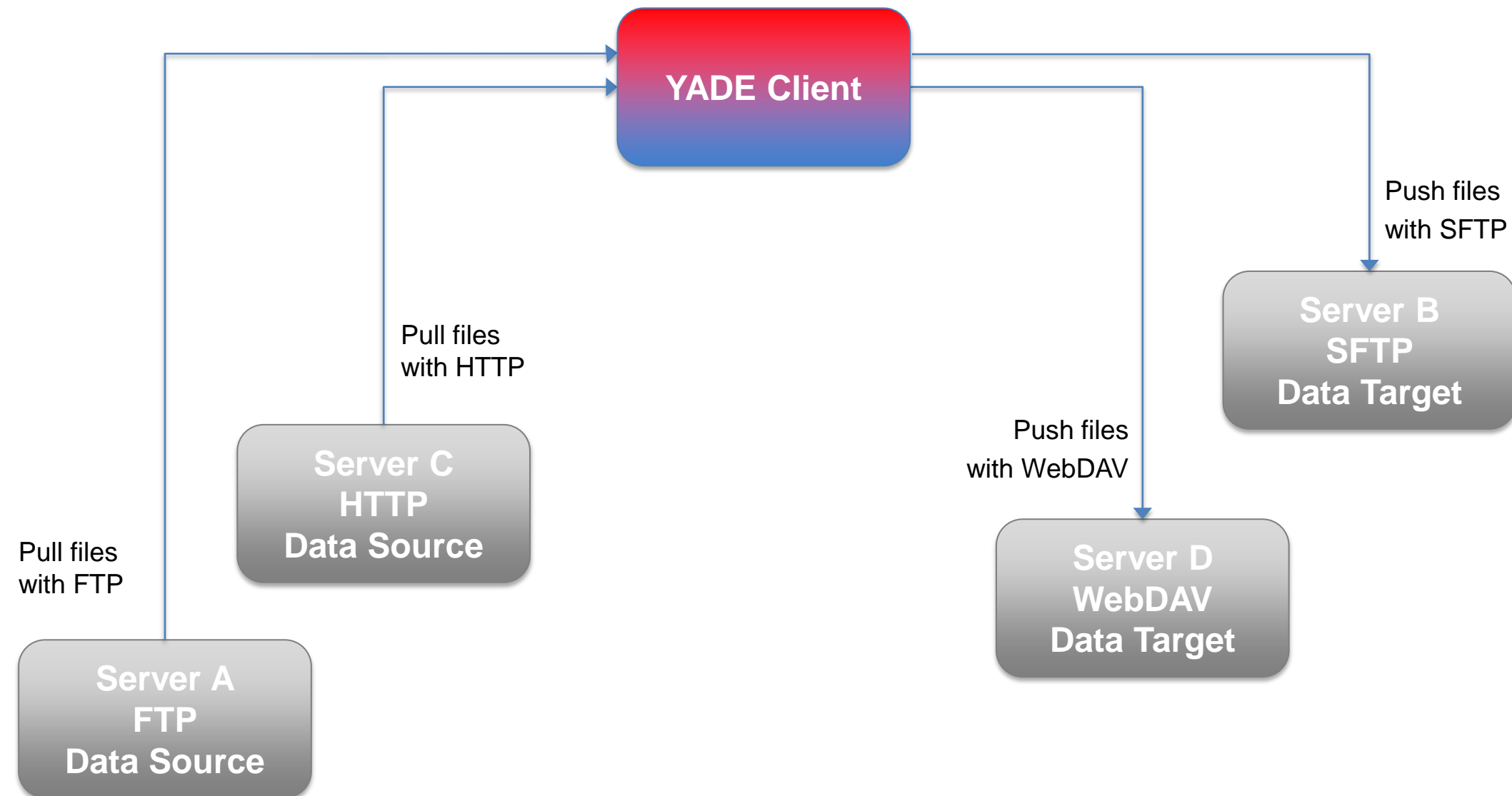
- Files shall be transferred by using different transfer protocols for data sources and targets.

Solution

- A virtual file system approach is used by YADE. This allows to copy and move files between sources and targets with any given protocol.

Benefits

- Any combination of file transfer protocols is possible, e.g. FTP, FTPS, SFTP, HTTP, WebDAV.
- No touchdown of files on JobScheduler Master.
- Transfers are performed in memory, resulting in very economical use of resources.



File Transfer: Push Files to Internet via Jump Host

Use Cases for typical file transfer tasks: File Transfer with Jump Host

Use Case Scenario

Use Case

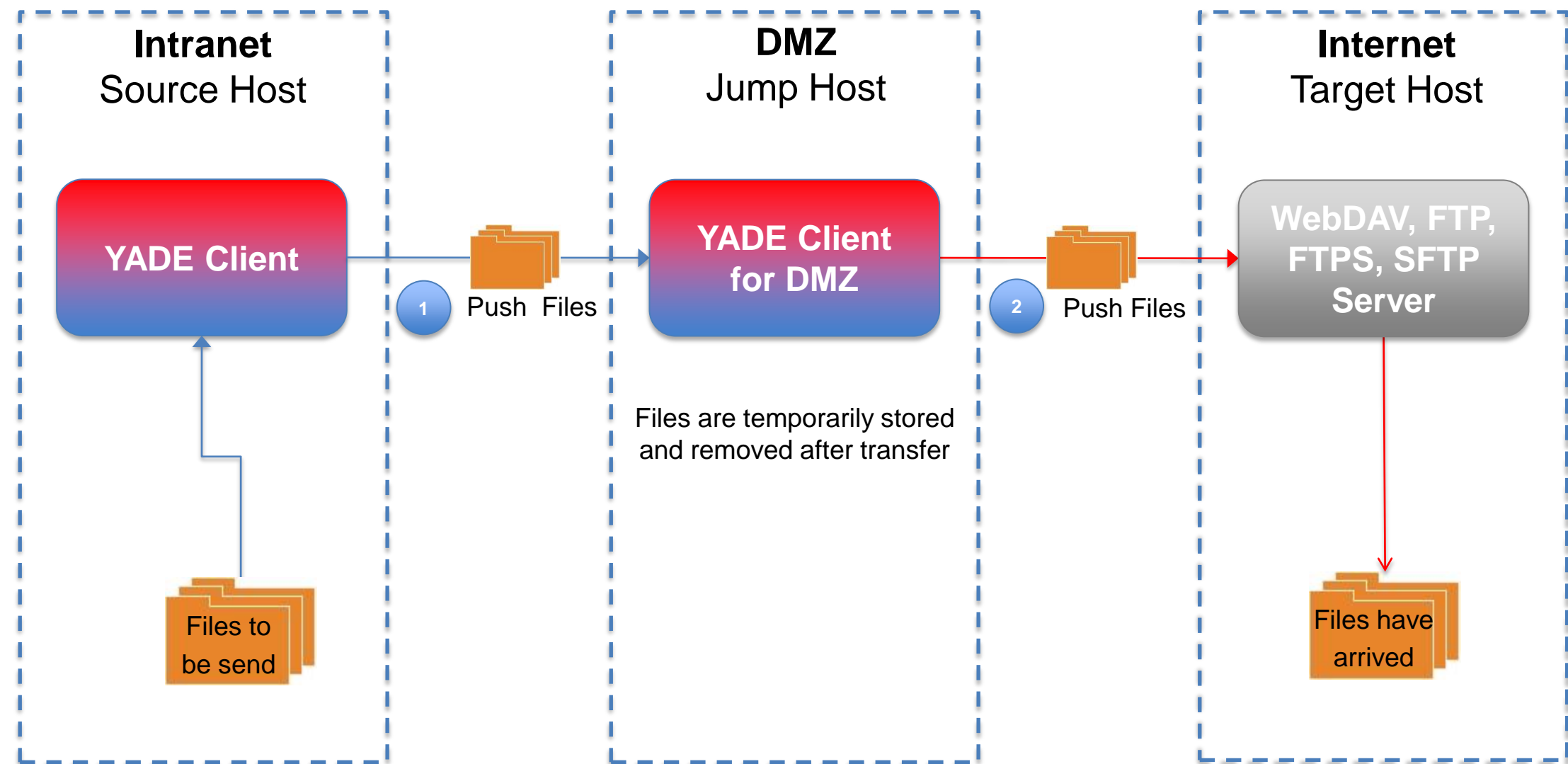
- Servers in the intranet have no internet access.
- Connections are only allowed from the intranet to the DMZ. From the DMZ, transfers to the internet are allowed.

Solution

- YADE Client in the Intranet contacts YADE for DMZ to initiate a secure transfer of files from the intranet to the internet.
- YADE Client in the intranet ① sends files to YADE in DMZ for temporary storage.
- In a final step, the YADE Client in DMZ ② pushes the files to the internet.

Benefits

- Files are stored temporarily in the DMZ and are removed after transfer.
- No credential data are stored in the DMZ.
- All configuration items are stored in the intranet.



File Transfer: Pull Files from Internet via Jump Host

Use Cases for typical file transfer tasks: File Transfer with Jump Host

Use Case Scenario

Use Case

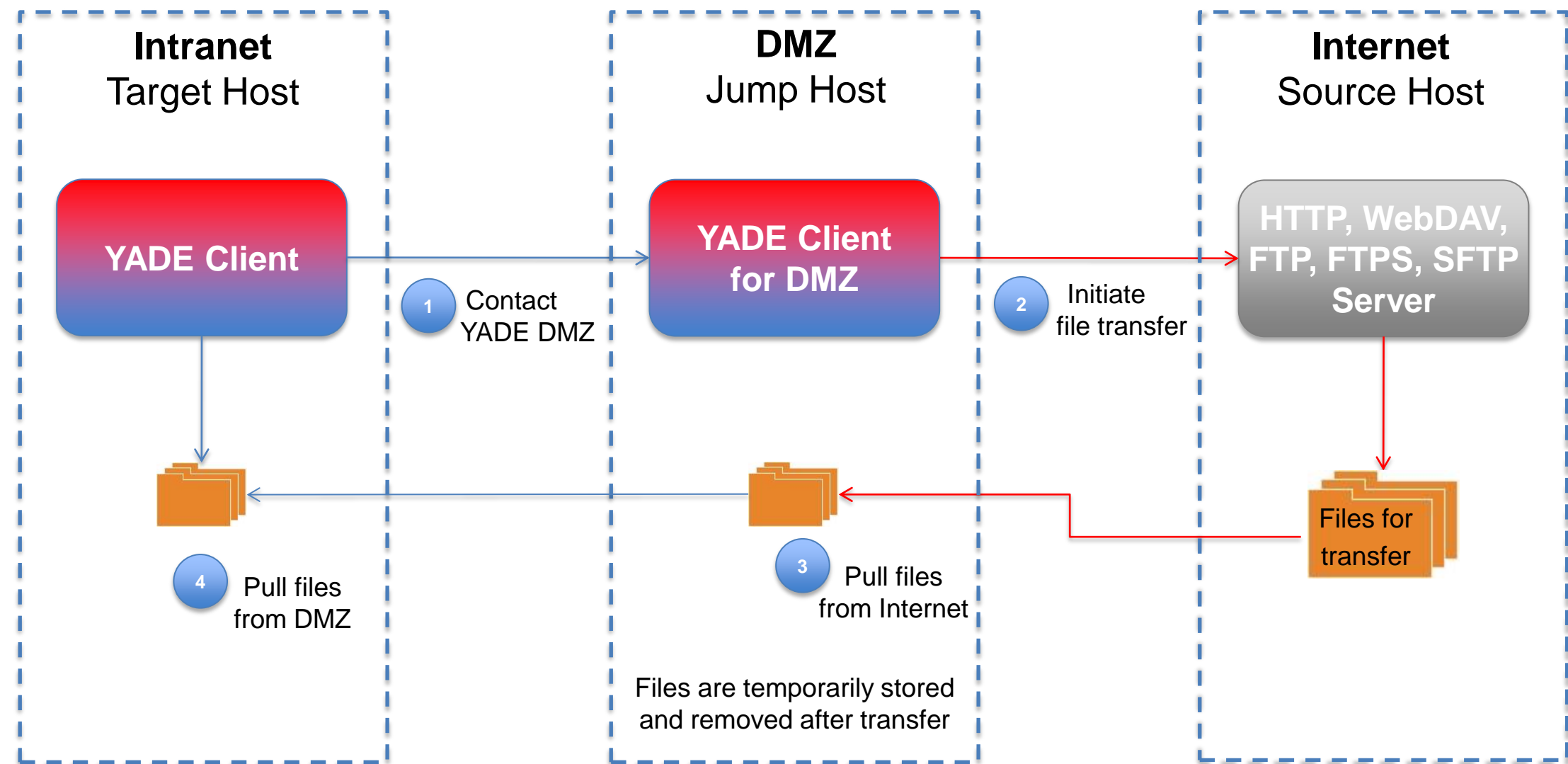
- Servers in the intranet have no internet access.
- Connections are only allowed from the intranet to the DMZ. From the DMZ, transfers to the internet are allowed.

Solution

- The host in the DMZ acts as a jump host for YADE.
- YADE Client in the intranet:
 - 1 contacts YADE in DMZ
 - 2 to start a transfer
 - 3 to pull files from the internet to the DMZ.
- YADE Client in the intranet
 - 4 pulls the files from the YADE in DMZ to the final destination in the intranet.

Benefits

- Files are stored temporarily in the DMZ and are removed after transfer.
- No credential data are stored in the DMZ.
- All configuration items are stored in the intranet.



File Transfer: Pull Files from DMZ in Near Real Time

Use Cases for typical file transfer tasks: File Transfer with Jump Host

Use Case Scenario

Use Case

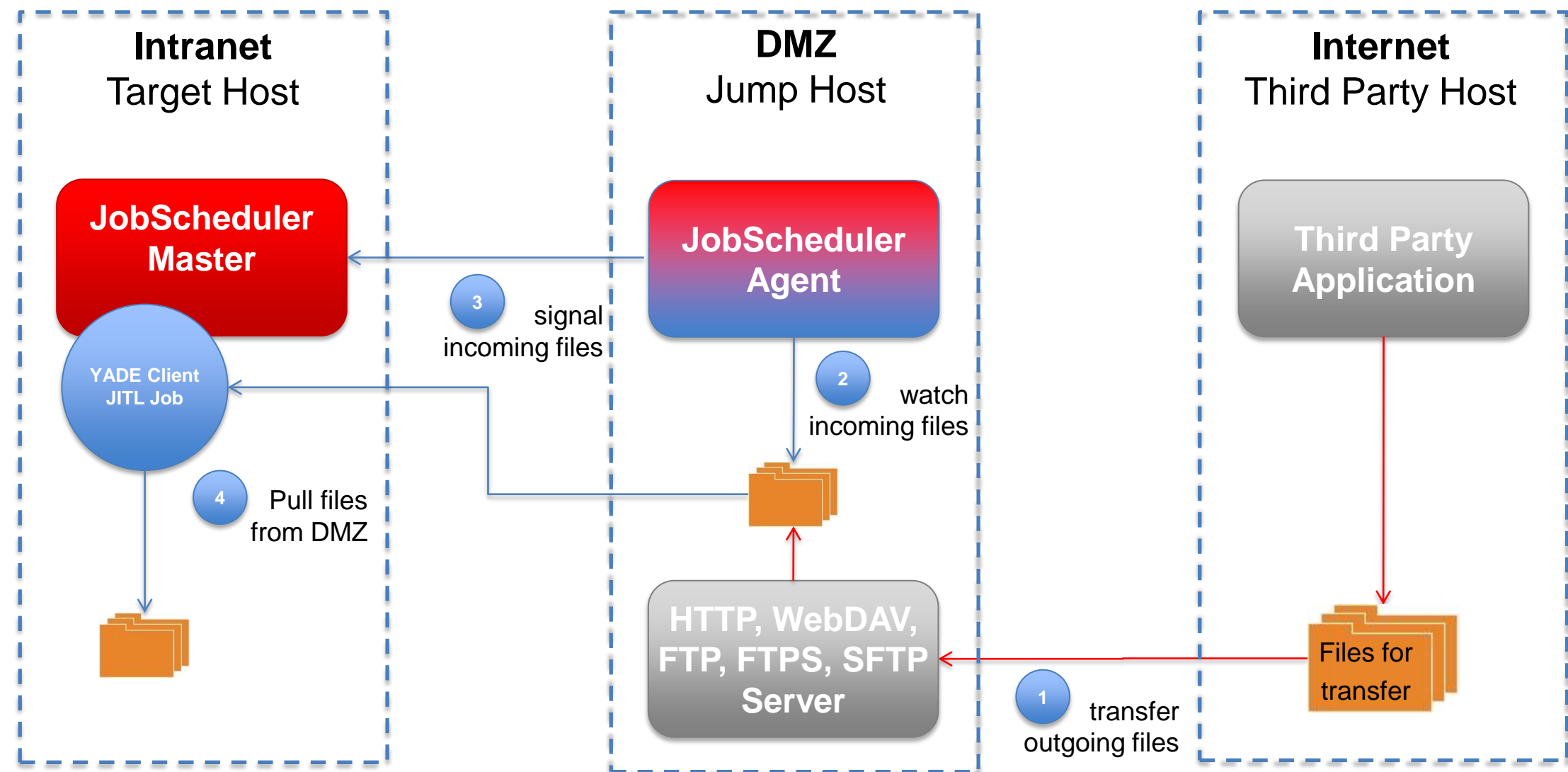
- Third Party pushes files to DMZ server.
- Incoming files should be transferred to the intranet as soon as possible in near real time.

Solution

- 1 Third Party transfers files to the DMZ server.
- 2 The Universal Agent runs on DMZ and monitors incoming files.
- 3 The Universal Agent signals to the Master the arrival of incoming files.
- 4 Master starts YADE job to transfer the files from DMZ to intranet.

Benefits

- Files are moved to intranet in near real time.
- Files are stored temporarily in the DMZ and are removed after transfer.
- All configuration items are stored in the intranet.





Questions?
Comments?
Feedback?

Software- und
Organisations-
Service GmbH

Giesebrechtstr. 15
D-10629 Berlin

info@sos-berlin.com
<http://www.sos-berlin.com>