



## Are you ready to start?

OFTP2 is ready for implementation. It connects you and your business partners from any location in the world. No VPN borders, no restrictions to local service providers. All you need is an internet access, a digital certificate and OFTP2 software.

Since the internet is an open network, OFTP2 adds the necessary security features to the well known and heavily used Odette File Transfer Protocol OFTP2

**Daimler** startet den Piloteinsatz von OFTP2 über das Internet für den Datenaustausch im Engineeringbereich im Oktober 2008. Es ist das strategische Ziel von Daimler, mittelfristig den OFTP-Datenaustausch über ISDN durch OFTP2 über das Internet abzulösen.

**Daimler starts the pilot application of OFTP2 for engineering data exchange via the internet in October 2008. It is the strategic target of Daimler to replace the data exchange via OFTP and ISDN in medium range with OFTP2 via Internet.**

**Reinhold Klass, Manager Supplier Integration**

The **SCANIA** intention, during 2009, is to:

- first perform a number OFTP2 pilot implementations with business partners
- thereafter initiate broad migrations to OFTP2

**Bengt Andersson, SCANIA Infomate**

**Volkswagen** wird OFTP2 einsetzen und hat einen Pilotbetrieb aufgenommen.

**Volkswagen will use OFTP2 and has started pilot operation.**

**Thomas Sieck, EDI Koordination**

### Advantages of OFTP2

- **Availability:** You can use OFTP2 everywhere - Internet is globally available!
- **Speed:**
  - **OFTP with ISDN (1 channel):** 7kB/s → it takes 20 h to transmit 500 MB data (not unusual for CAD/CAE and even classic EDI may reach 100 MB per file)
  - **OFTP2 with Internet (high speed internet access):** the same file may be transmitted in 15..30 minutes
- **Cost savings:** less transfer costs
- **Security:** use of state-of-the-art security mechanisms (i.e. security certificates) for channel protection, file encryption, document and end-to-end response signature
- **File size:** larger files for CAD/CAM/CAE
- **Reliability:** restart broken transmissions, pull and push transfer

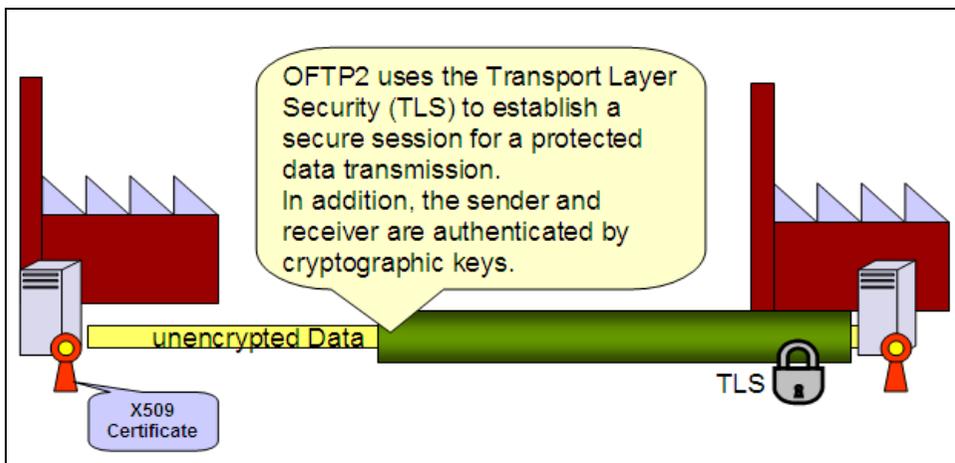
### OFTP2 Features in an Overview

- Capable to use following transport media
  - TCP/IP over Internet
  - TCP/IP over VPN, ENX, ANX, JNX, GNX, ...
  - X25 / ISDN
- Security
  - Authentication
  - Session Encryption
  - File Encryption & Compression
  - Electronic Signature on files and End-to-End-Responses
- Meet special SASIG requirements
  - Extending virtual file name
  - Supporting transport of files > 10 GByte (9 PetaByte)
  - Using international Characters for file names (UTF-8 Unicode)
- Push and Pull data transfer
- File restart

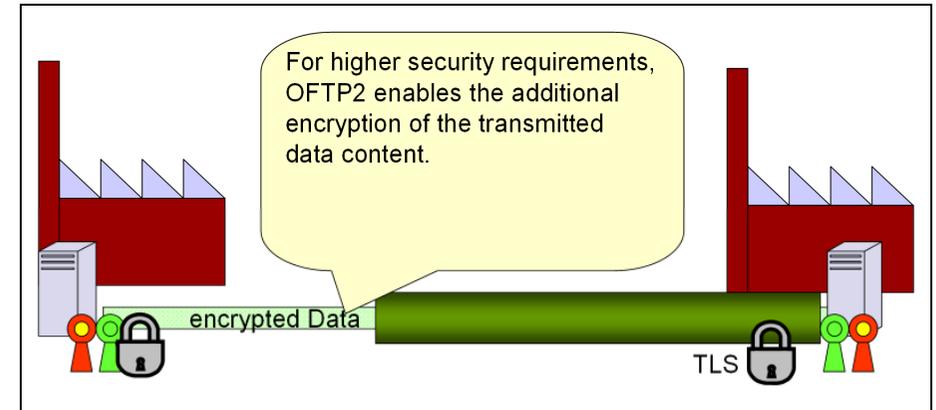
When used over the internet, OFTP2 software can use the TCP/IP TLS (Transport Layer Security) for session encryption.

## Three Levels of Security

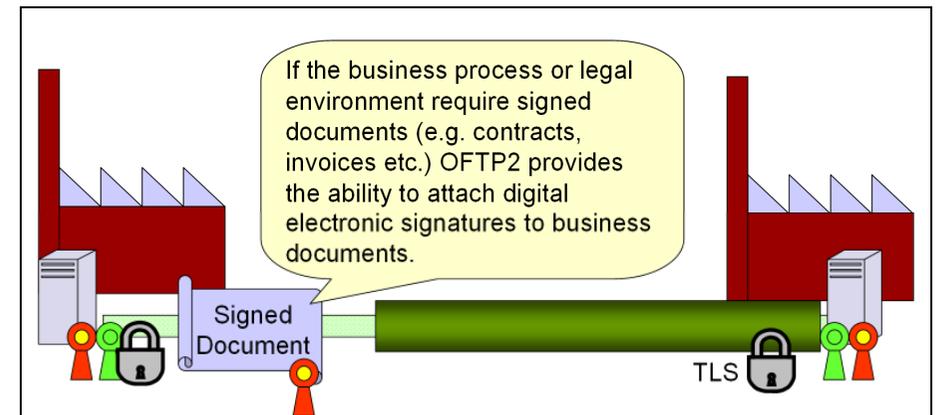
- Session security:
  - Utilization of SSL/TLS encrypted TCP/IP communication links
  - Encryption of each single TCP/IP packet
  - Utilization of X509 certificates and CMS format for the data exchange
- Encryption of the data
  - Utilization of asymmetric encryption
- Signature and verification
  - Generating a hash of the data
  - Encryption of the hash with the own private key



Session Security



Data Encryption



Signature

### Further information required?

Use the OFTP2 support page at

<https://forum.odette.org/support/oftp-and-the-new-oftp2/>

or contact the Odette Programme Manager

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