



Introduction to CT Profile

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Souleymane THIAM – IHE Catalyst

Training Agenda



Friday, August 26th

- Overview of PIXm profile
- Overview of PDQm profile
- Demo testing in the Patient Manager tool

Monday, August 29th

- Overview of MHD profile
- Demo testing

Tuesday, August 30th

- Overview of ATNA profile
- Overview of CT profile
- Demo testing in the Gazelle Security Suite Tool



Consistent Time (CT)

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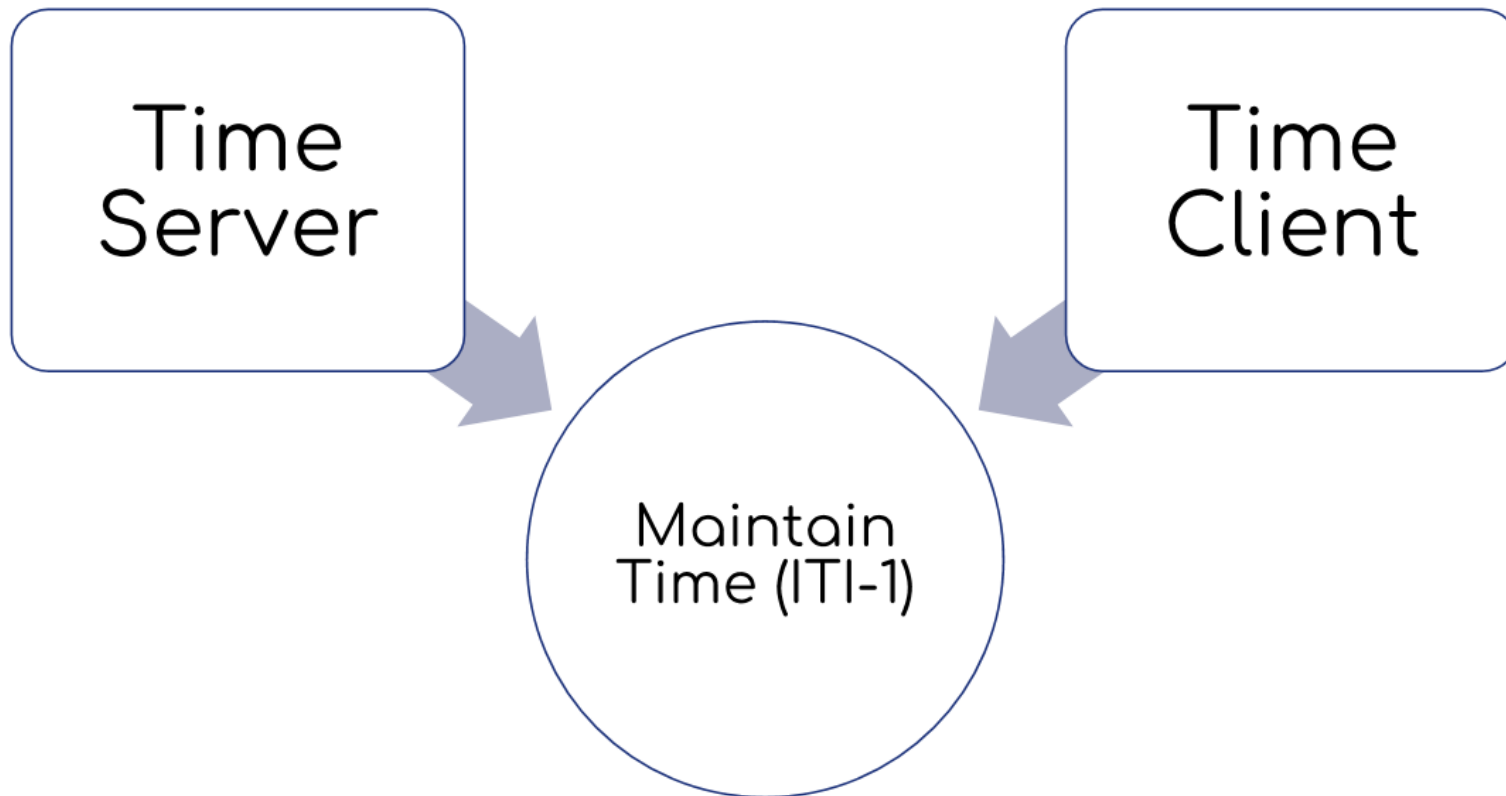
Profile specified by IHE IT Infrastructure domain

- Statut: Final Text
- Documentation :
 - https://www.ihe.net/uploadedFiles/Documents/ITI/IHE_ITI_TF_Vol1.pdf, section 2.2.7
 - https://www.ihe.net/uploadedFiles/Documents/ITI/IHE_ITI_TF_Vol2a.pdf, section 3.1

Use case :

- Exchange between different systems need consistent time base
- Synchronize time among multiple systems

- **Time Server** : responds to NTP time service queries
- **Time Client** : uses NTP or SNTP time service responses to maintain synchronization with Time Servers and maintain the local system clock



Maintain Time [ITI-1]



- Referenced Standard :
 - NTP : Network Time Protocol Version 3. RFC1305
 - SNTP : Simple Network Time Protocol (SNTP) RFC4330
- Recommendations on configurations and setup provided at : <http://www.ntp.org/>
- The Time Client uses the NTP to synchronize its time with the Time Server.
- Implementations must support a time synchronization accuracy with a median error of less than one second.

Test case checking



- Two kinds of verification :
 - Vendors provide us with screenshot
 - Real time verification
- Check that the time are consistent (Difference less than one second)

