

OPES Callout Protocol SOAP Consideration

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Purpose

- **To discuss the feasibility of using SOAP as an OPES Callout protocol**
- **Get a feedback on how SOAP is viewed in general**

SOAP as OPES Callout Protocol

- **SOAP 1.1: Simple Object Access Protocol**
- **SOAP 1.2: Is not an acronym anymore**

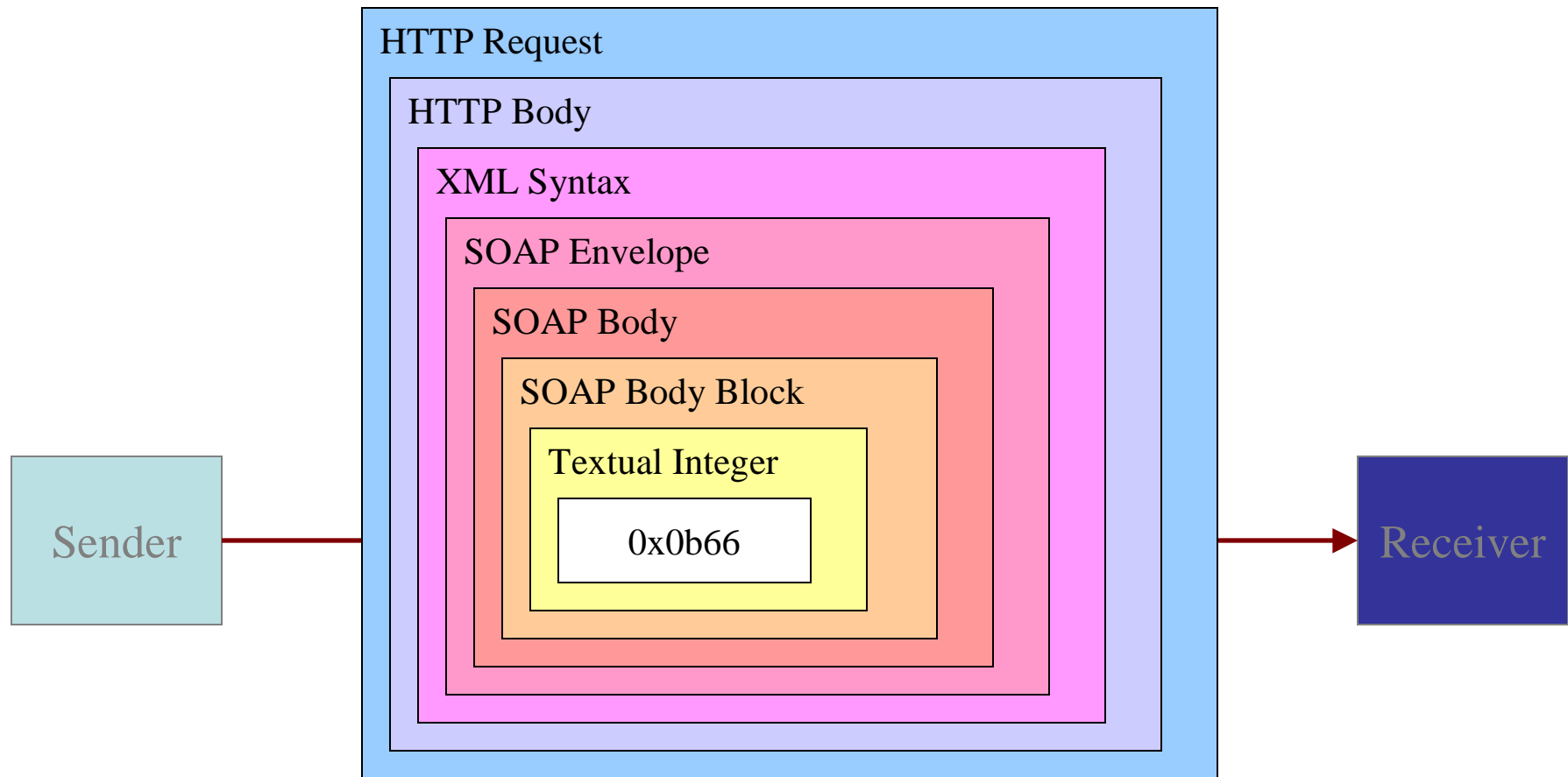
Features

- **A “wrapper” protocol**
 - **Data is placed in**
 - **header blocks (Control) and**
 - **body blocks**
- **Written in XML**
- **Independent of the wrapped data**
- **Independent of the transport protocol**
 - **Transport is handled by another mechanism**
 - **HTTP 1.1 binding is specified**
- **A uni-directional message exchange paradigm**

Message Anatomy



SOAP Efficiency or lack of it



Then Why Consider SOAP

- It all depends on deployment and what we mean by a service in an OPES environment
- Can still design an efficient Callout Protocol using SOAP
 - Fixed parse tree
 - Slow Path anyway ? Is it?
- Can have access to any published service
- Facilities for Security
- Privacy
- Policy exchange
- Extensible in theory
- Why do we need another service oriented protocol

Q&A