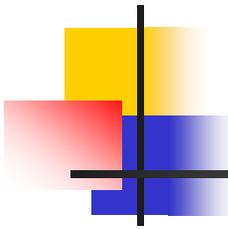


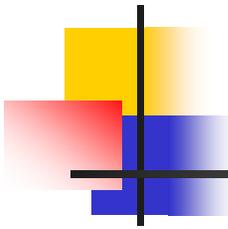
eRA eXchange and ebXML

Plans for 2005
Symposium Dec 2, 2004



ebXML as the Standard

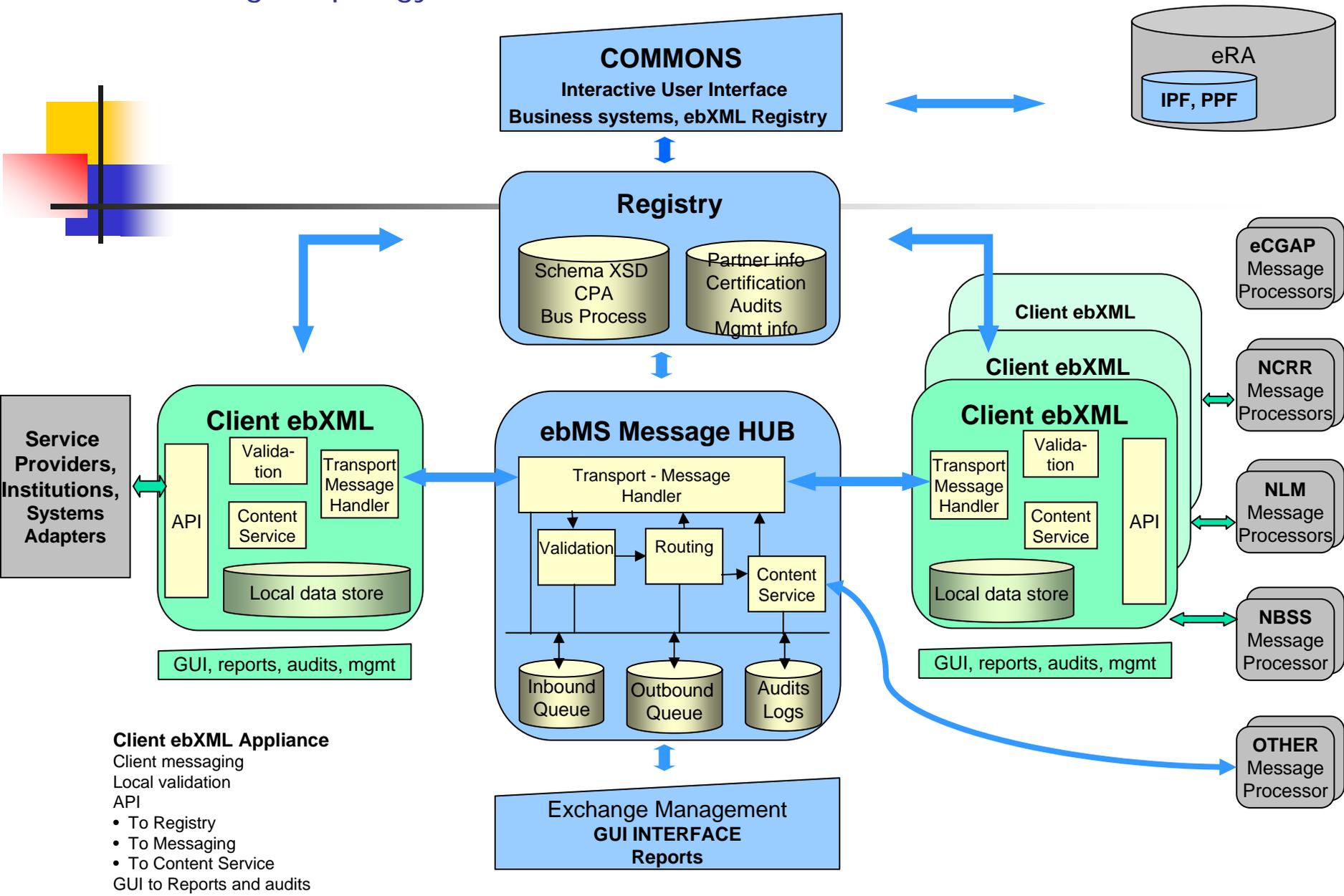
- All new transactions to be compliant with the ebXML standard
 - NGA
 - GCRC progress reports
 - Others
- eRA Exchange to use an ebXML message handler
- eRA Exchange to use an ebXML Registry
- Client/reference implementation to be ebXML compliant



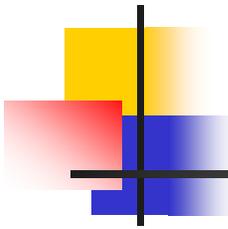
Components planned

1. ebMS message handler using Hermes open source software in the eRA eXchange
2. Registry using OMAR open source software
3. Distributable, downloadable client with a packaged ebMS engine and adapters for local interfaces, pre-configured to work with the NIH exchange: ebMS appliance
4. Adapters to work with COMMONS information
5. Simplified GUI for setting up partners, Collaboration Profiles and predetermined trading agreements
 1. Some level of self service for SP configuration

eRA Exchange Topology

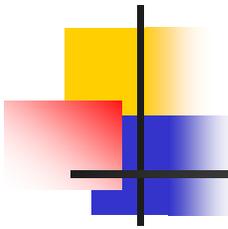


- Client ebXML Appliance**
- Client messaging
 - Local validation
 - API
 - To Registry
 - To Messaging
 - To Content Service
 - GUI to Reports and audits



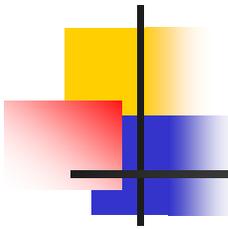
Registry

- Off the shelf software: OMAR
- Contains partner information, CPA and all transaction schemas
- Custom build GUI for pre-configured CPA set up by trading partners
- Custom data interfaces to be built with the COMMONS



A step towards self service

- Each trading partner can select from the available transactions and options to set up (and maintain) their own profile
- “certification” process to be more automated
- Versioning of transactions to be enabled



Transition

- Existing transactions and processes will remain for foreseeable future
- New architecture to be put in place in parallel but share registration information
- Client appliance to be made available
- New transactions routed through a different URL and use the ebXML schema-envelope and Registry
- Existing transactions to be made available through the ebXML based eXchange
- Eventually retire the CGAP exchange and message format