





















1		
nteropera	bility is not only syntax	
Architecture	Architecture principles and reference models for SOA	Reference model Up and running
Infrastructure	Shared SOA infrastructure-components	Project established Basics under construction
Interface	OIO WS profile: Technical standards for exposing services and data exchange	First profile standardized
Semantics	OIO data model: Semantics for data	Up and running Long way to go
	OLOXML NDR: Naming and	Consolidated









Elect	tronic inv	voice-to-	paymen	t process
Employee	Authorized employee	Purchase department	Finance department	Supplier
Fill out order Receive order items and DespatchAdvice Register the items as received	Approve order Place order	Negotiate and maintain purchase agreements Electronic order	Electronic invoice Receive invoice Match invoice with order and DespatchAdvice. Pay invoice	Receive order Locate and send order items Create invoice Electronic payment Receive payment



































Technical barriers

Interoperability is a huge challenge

- It is not trivial to satisfy the basic conditions for inter-enterprise transactions on a large scale:
 - Authentication
 - Authorization
 - Confidentiality
 - Integrity
 - Non-repudiation
- Toolkits are not mature
- Standardization
 - Many different standards
 - Technical standards
 - Data standards (content)













E FOC Kildin						
Eunktioner Opsætning Hjælp						
Dokumentmapper	Afsend val	gte dokumenti	(er) 🛛 🝪 Slet 🔒	Vis 🖾 Udskriv		
🗖 🏟 Udaŝendo dekumentor	Туре	Dok ID	Til	Adresse ID	Tidspunkt	
Subgaende dokumenter	📄 Faktura	1001	Økonomistyrelsen	CVR 35744796	10-08-2006 08:51	
Under afsendelse (1)	📄 Faktura	1002	Finansministeriet	CVR 63637828	10-08-2006 09:21	
(D) Kvitterede (250)	📄 Faktura	1003	Globaliseringsrådet	EAN 15396572	10-08-2006 11:15	1
Keturnerede (0)	📑 Kreditnota	75	Erhvervs- og S	send	08-08-2006 15:43	
n 📫 Indaßende dokumenter	📄 Kreditnota	76	Skat		08-08-2006 16:11	
	Ordre	110	Kontorforsynine	t	07-08-2006 13:00	
	Ordre	111	IDA-kantine		08-08-2006 10:37	



















 Be aware that you choice of infrastructure can be hard to change





