

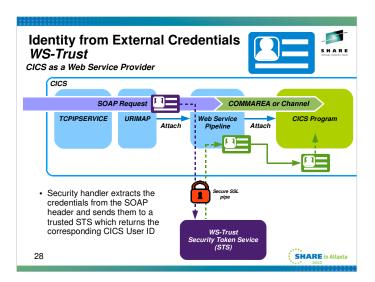
## Identity from External Credentials



- External Credentials are ones that cannot be handled natively by CICS
  - · External user id / passwords
  - · SAML, LPTA, Kerberos
  - Home grown etc.
- · CICS as Requester and Provider
  - · WS-Trust support to call and external Secure Token Service
  - Custom Handler

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## **WS-Trust Specification**



- WS-Trust
  - · Published as specification 25 February 2005
  - · Submitted to OASIS standardization process
  - Provides a framework for building trust relationships
    - Sender and Receiver in different security domains
    - Security tokens must be vouched for by trusted third party
  - Trusted third party is called the Security Token Service (STS)
  - WS-Trust defines standard protocols and standard WSDL interfaces to communicate with an STS

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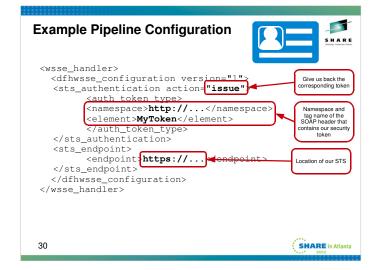


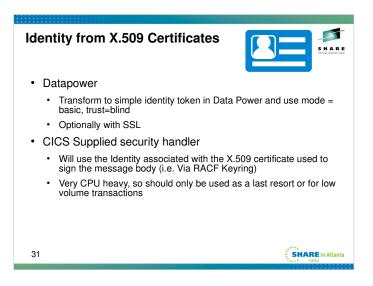
## Identity from External Credentials WS-Trust CICS SOAP Request URIMAP Web Service Pipeline Web Service Pipeline Web Service Pipeline Web Service Web Service Pipeline Web Service Web Service

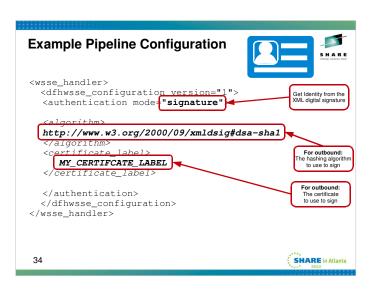
## CICS Support of WS-Trust Options

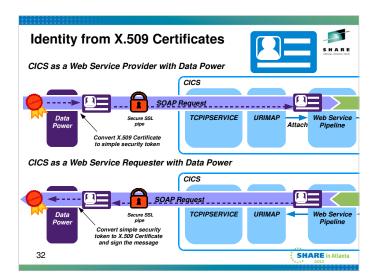


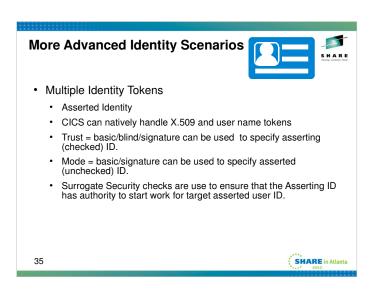
- · Interoperates with a Security Token Server
- CICS supplied security handler
  - CICS as a Web Service provider
    - · Validate the security token in the WS-Security header
    - Exchange the security token in the WS-Security header
  - CICS as a Web Service requester
    - Exchange the security token to be used in the WS-Security header
  - Custom interaction with an STS
    - CICS Provides a Channel Linkable interface to allow user programs to easy call an STS, without understanding WS-Trust
    - Via DFHPIRT
    - CICS Builds and parsers the WS-Trust messages to and from containers

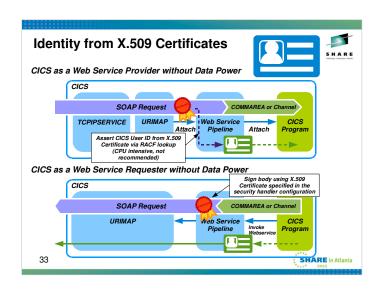


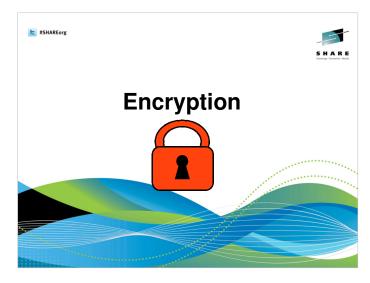


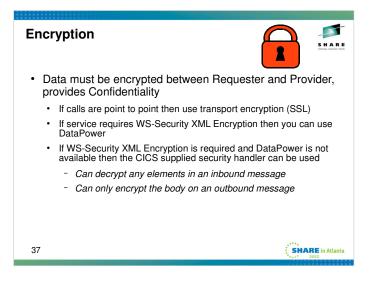


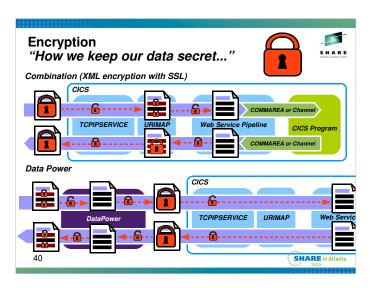


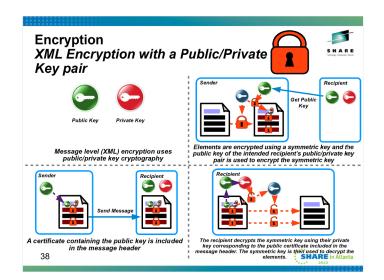


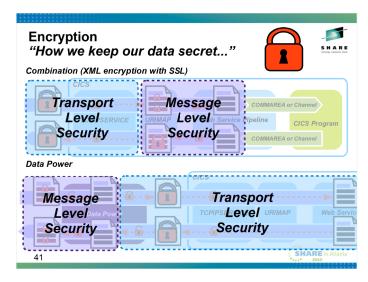


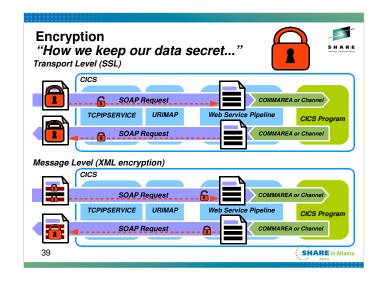


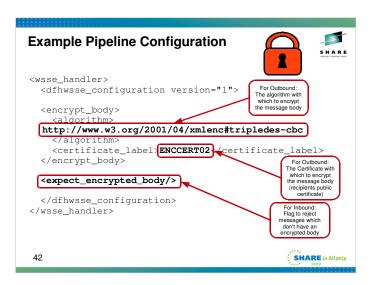


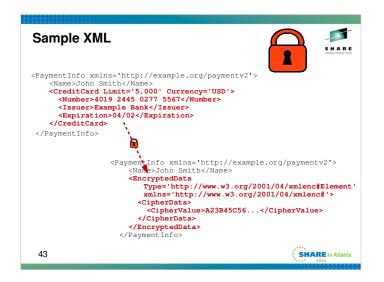


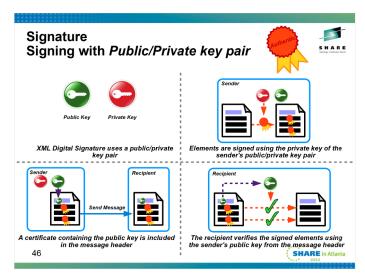




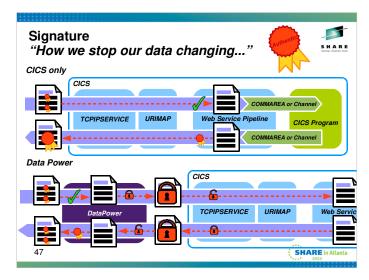


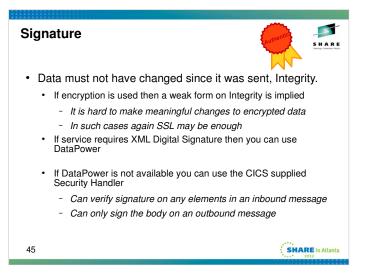


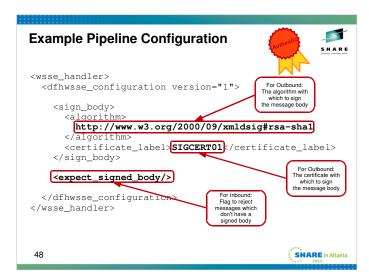


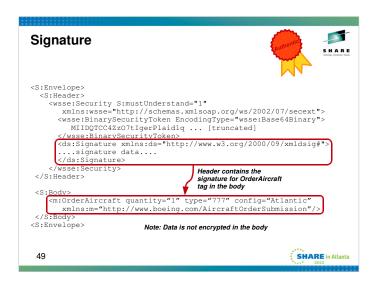


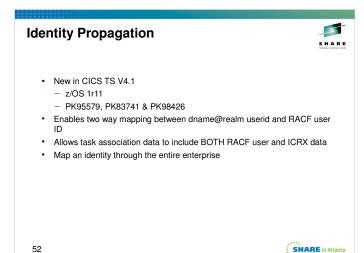


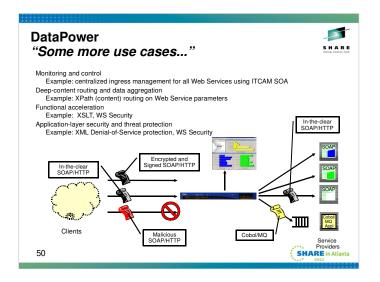


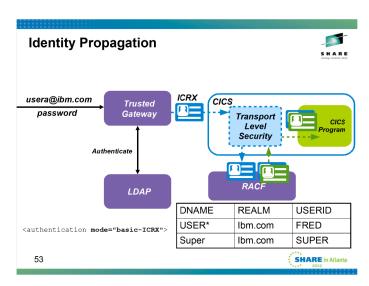














- Direct to Database: Communicate directly with remote Database instances
- XML/SOAP Firewall: Filter on any content, metadata or network variables
- Data Validation: Approve incoming/outgoing XML and SOAP at wirespeed
- Field Level Security: WS-Security, encrypt & sign individual fields, non-repudiation
- XML Web Services Access Control/AAA: AML, LDAP, RADIUS, etc.
- MultiStep: Sophisticated multi-stage pipeline

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- Web Services Management: Centralized Service Level Management, Service Virtualization, Policy Management
- Easy Configuration & Management: WebGUI, CLI, IDE and Eclipse configuration to address broad organizational needs



