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## State Government: Secure .NET Integration

### Client:

State Government

### The Project:

Project was designed to securely integrate government transactions (as .NET services). The project involved setting up Web Services on DataPower using WS Proxy. DataPower was used to front the Oracle ESB to add WS Security 1.1 standards for encryption and Digital Certificate for web service calls coming from different counties from .NET applications.

### Solutions Details:

- Setup WS-Proxy on DataPower for the web services deployed on Oracle ESB as BPELs or typical web services deployed on application servers.
- Verify incoming SOAP messages which are signed using client private key using WS-Sec 1.1
- Decrypt incoming SOAP messages using private key using WS-Sec 1.1
- Perform transformations on incoming messages before routing it to the backend ESB or application server
- Generate public and private keys for encryptions/decryption an sign/verify
- Customize algorithms for encryption an sign/verify depending on different types of clients sending SOAP requests.

### Technologies:

Oracle BPEL Engine, DataPower XI50, SoapUI for Client, Security using HSM Interface, .NETclients

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