

# Web Services and IRS Gateway 101

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## Web Services/IRS Gateway

- General Description A2A
- Items from IRS
- State Builds Web Service Client
- Security
- Best Practices

## A2A

- Application to Application – An application running on your server communicates (exchanges information) with an application running on the IRS Server in Real Time.
- Not designed to be an overnight or batch operation.

## Items from the IRS

- Interface Control Document (ICD)
- WSDL Web Services Description Language.
- Message Schemas
- efileAttachments.xsd
- “Attachment ICD” in draft form.
- Digital Certificates

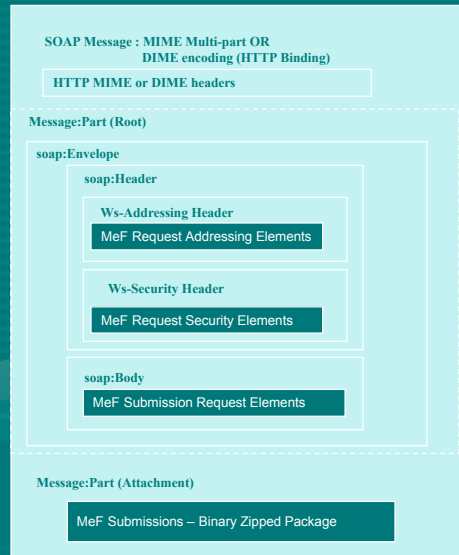
## State Web Service Client

- Client resides on a standard server inside the state firewall
- Tools should build a client proxy from the WSDL
- Uses HTTP Protocol
- Request/Response

## The Message - SOAP

- SOAP:Header – Security Information (MeF Header)
- SOAP:Body – Additional Information about what is being transmitted (See ICD)
- SOAP:Attachment – One or more returns zipped together into a single attachment

# Submission Message



## Return

- Two or more XML documents zipped together (Manifest and state return)
- Optional PDF's
- Optional copy of Federal Return
- Thus zip within a zip

## MeF Submission (State)

Zip Archive	
Zip Entry: /manifest/manifest.xml Submission Manifest	One Required
Zip Entry: /xml/submission.xml Submission XML Data	One Required
Zip Entry: /attachment/name.pdf Binary Attachment	Zero or More
Zip Entry: /irs/xml/submission.xml IRS Submission Info	Zero or One
Zip Entry: /irs/attachment/name.pdf IRS Binary Attachment	Zero or More

## Security

- Several Levels
- Internet Transmission Level – SSL
- Moving to Full PKI
- Need ID's, passwords, ETIN's EFIN's from IRS specific to this project
- Requires SAML Token to control sessions

## Best Practices

- Find a state on same platform J2EE or MS.NET and ask questions. When you get stuck, chances are someone else has already found the solution.