

PROLIFICS INDUSTRY SOLUTIONS :  
FED/STATE MODERNIZED E-FILE  
COMMUNICATIONS GATEWAY AND PROCESSING SYSTEM  
FOR STATE DEPARTMENTS

**Prolifics' Communications Gateway and Processing System** is a fast, reliable and scalable custom solution that enables state agencies to meet IRS requirements to support the Fed/State Modernized e-File Program (MeF).

A more advanced, integrated and web-based replacement for the existing electronic filing platform, MeF benefits taxpayers and State agencies significantly. Taxpayers are able to conduct all interactions electronically and there is more efficient account management and processing between payers, employers and tax authorities. MeF provides a single point of submission and retrieval for all registered Trading Partners such as Turbo Tax and State agencies.

**Flexible Gateway.** Prolifics' Web services Communication Gateway allows states to interact with the IRS MeF Web

services to request and receive returns and to provide acknowledgements.

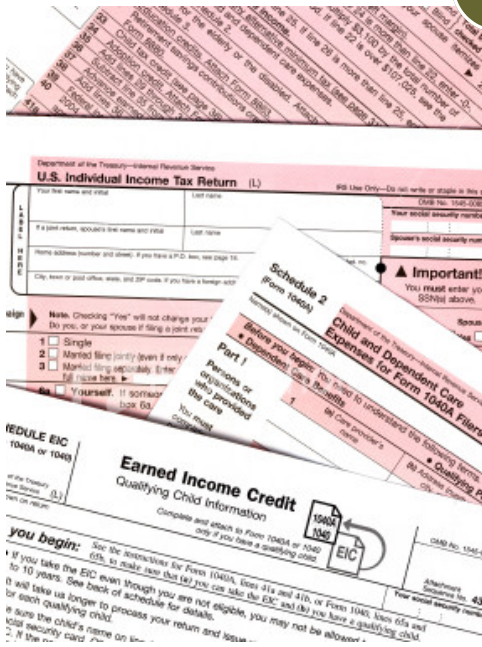
**Complex Processing.** The data payload received from the IRS uses SOAP with attachments that are comprised of zip files within zip files of taxpayer information. Prolifics' system then validates the complex payload, breaks the file up into necessary components, and routes them to different back-end systems. Each state must also return further acknowledgements to the IRS for retrieval by the transmitters.

**Wire Speed and Scalable.** Using a SOA Appliance, IBM® WebSphere® DataPower®, between the network and application software, the Communication Gateway is a lightweight, scalable solution that does not incur additional throughput. Averaging 245 IRS submissions per second the SOA Appliance could process the entire US population in only 25 days!

**Secure Transactions.** The sealed, network device, DataPower, protects from XML threats that could exist with SOA architectures built on Web services, SOAP and XML. It is a simple to use, hardened, low-cost solution to enhanced security.

**Data Transformation.** After the taxpayer data is validated and parsed, the processing system will translate and map the data to appropriate back-end systems such as mapping from XML to Cobol copybook or PDF formats.

**Prolifics' expert Consultants** specialize in SOA integration projects and have proven, real-world expertise with DataPower implementations. The Prolifics solution will allow State agencies to rapidly meet IRS requirements with a high-performing, secure and scalable solution, while putting in place a SOA architecture that allows for growth.



## The Communication Gateway and Processing System consists of these core aspects:

- ◆ **Online Access to the IRS** – Connects to the IRS Modernized e-File application with Web services to request submissions and send acknowledgements.
- ◆ **Zip File Processing** – Validates, breaks apart and processes zip files in zip files received as attachments to the IRS SOAP messages.
- ◆ **Back-end Processing and Integration** – Extracts submission data to transform and route to back-end imaging programs and disparate systems ranging from mainframe to desktop applications.
- ◆ **Security** – Support for sophisticated security functions including WS-Security, XML encryption, XML/SOAP firewall filtering, XML digital signatures, XML schema validation, two-way SSL, XML access control, XPath and detailed logging.

**Prolifics**®

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# FED/STATE MODERNIZED E-FILE COMMUNICATIONS GATEWAY AND PROCESSING SYSTEM GETTING STARTED

## Custom Solution:

Prolifics' Communication Gateway and Processing System for the Fed/State Modernized e-File Program is a custom solution that incorporates best-of-breed technology from IBM and expert consulting services from Prolifics. It includes:

- ◆ **IBM WebSphere DataPower Integration Appliance XI50** – SOA Appliance to be used in development and production
- ◆ **Prolifics Communication Gateway Framework** – pre-built interfaces that interact with the IRS MeF Web services

The solution will be tailored to meet your agency's business and technical requirements.

## Discovery Call:

To get started we recommend a no-obligation Discovery Call. This is a 30-60 minute consultative call with a senior-level Solution Specialist. The call provides expert advice and is designed to help you map out a strategy for moving forward with your project.

## Demonstration and Assessment:

Prolifics consultants will conduct a detailed review and analysis of your existing IT infrastructure and applications and your set of requirements in order to provide a roadmap that estimates effort, includes a high-level project plan and recommends best practices where applicable.

## Quick Start:

Prolifics offers a Quick Start that includes:

- ◆ Training geared to the specific functions of your new WebSphere DataPower SOA Appliance
- ◆ Installation and configuration of your WebSphere DataPower SOA Appliance and Communication Gateway Framework
- ◆ Network configuration and monitoring assistance
- ◆ Security, access control and/or transformation mentoring or implementation geared specifically to your needs

## About IBM WebSphere DataPower

IBM SOA appliances are purpose-built, easy-to-deploy network devices that simplify, help secure, and accelerate your XML and Web services deployments while extending your SOA infrastructure. These new appliances offer an innovative, pragmatic approach to harness the power of SOA while simultaneously enabling you to leverage the value of your existing application, security, and networking infrastructure investments.

## About Prolifics

Prolifics, in business since 1978, is an end-to-end systems integrator specializing in IBM technologies. A Premier IBM Business Partner, Prolifics has garnered top awards for its customer solutions and its level of technical excellence. Our depth of experience with secure, end-to-end SOA and Portal solutions can help you with all aspects of the full project lifecycle including software procurement, architectural advisement, design, development through deployment, administration and training. With our unparalleled 96% success rate delivering projects on time, on budget, and to specification, let Prolifics be your technology partner.

*Winner of ...*

- ◆ *IBM Award for Overall Technical Excellence*
- ◆ *IBM IMPACT SOA Solution Award*

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