

# WEB SERVICES IMPLEMENTATION: Mail and Fax-enable Your Application or Service

Esker Web Services is a standard and multi-support development platform, compatible with any interface or programming tool. By using Esker Web Services, you will be able to programmatically access the Esker on Demand servers to submit and track all your documents.

## How to Use Esker Web Services?

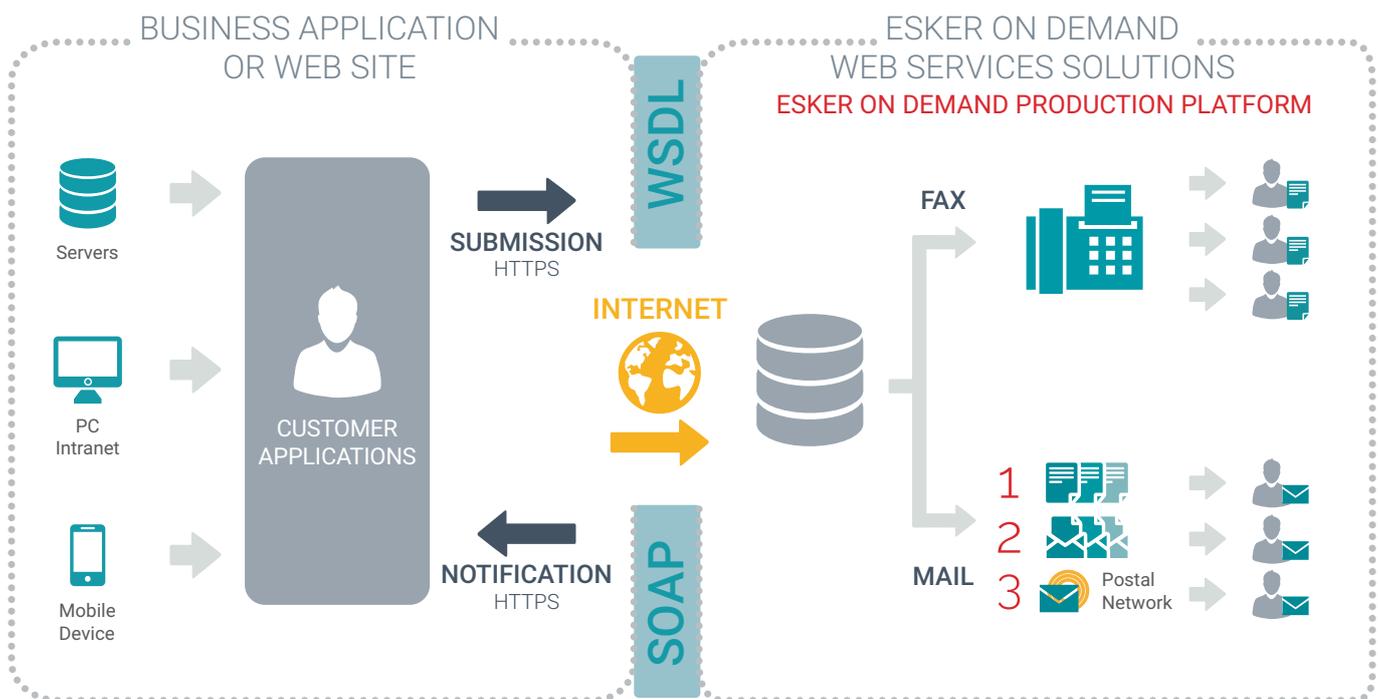
Esker Web Services conforms to SOAP and WSDL standards. Once you have downloaded the WSDL files, and using your favourite Web service-enabled development environment, you can build client applications that use standard Web service protocols to programmatically:

- **Log** into the Esker on Demand servers
- **Convert and preview** the documents to send (e.g., .pdf, .doc, .xls, .txt, .tif)
- **Submit documents** to be sent by the Esker on Demand service using various delivery methods (e.g., mail, fax, SMS and email)
- Use various **document recognition rules**
- **Track and manage** the submitted documents (e.g., status, statistics, queries, etc.)

## Esker Web Services Implementation

The Esker API is divided into three Web Services:

- The **SessionService** allows the client to authenticate itself and open a session context that will be used with other services. This is the first service you need to instantiate, as it is an entry point to all other services.
- The **SubmissionService** allows the client to submit documents, generate previews, and upload resources and attachments on the servers.
- The **QueryService** allows the client to access and manage the documents submitted to the servers.



## Typical Calling Sequence

Several code samples (C#, JAVA and PHP) available online on Esker website present the following typical 5 step calling sequence:

- 1 Global Initialisations**
  - Global variables
  - Sessions Parameters (User and Password)
- 2 Initialisation and Authentication**
  - Retrieve the bindings on the Esker on Demand Servers (location of the Web Services)
  - Authenticate the user on this session object to retrieve a **sessionID**
- 3 Document Submission**
  - Create and initialise a **SubmissionService** object
  - Set the service URL with the location retrieved above
  - Set the **sessionID** with the one retrieved previously with **Login()**
  - Allocate a transport
  - Specify transport variables and attachment
  - Submit the complete transport description to the Application Servers
- 4 Document Tracking**
  - Creating and initialising a **QueryService** object
  - Set the service URL with the location retrieved above with **GetBindings()**
  - Set the **sessionID** with the one retrieved above with **Login()**
  - Build a request on the newly submitted transport using its unique identifier and specify the variables (attributes) to retrieve
  - Submit the request to the Application Servers
  - Parse the returned variables
- 5 Release the session and de-allocate resources**



We quickly integrated Esker Web Services to our solution and everything was completed within two weeks: one week of pure development and a few days to test, go into production and make available to all users. Everyone is really pleased with the functionalities and the reliability of Esker services.

Director, Adequate Systems

## Available Methods

The three basic Web Services allow the following operations:

SessionService	
▪ GetBindings	▪ Logout
▪ Login	▪ GetServiceInformation
SubmissionService	
▪ ConvertFile	▪ RegisterResource
▪ DeleteResource	▪ Submit
▪ DownloadFile	▪ SubmitTransport
▪ ExtractFirst	▪ SubmitXML
▪ ExtractNext	▪ UploadFile
▪ ListResources	
QueryService	
▪ Approve	▪ QueryLast
▪ Cancel	▪ QueryNext
▪ Delete	▪ QueryPrevious
▪ DownloadFile	▪ QueryStatistics
▪ QueryAttachments	▪ Reject
▪ QueryAttributes	▪ Resubmit
▪ QueryFirst	

## How to Get Started

To start integrating Esker Web Services into your application or web site, follow 3 simple steps:



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Esker Document Automation Asia Pte Ltd  
47 Scotts Road – #05-04  
Goldbell Towers  
SINGAPORE 228233  
Tel: +65 (6735) 6882 – Fax: +65 6826 4374  
info@esker.com.sg – www.esker.com.sg

Esker Document Automation (M) Sdn Bhd  
L3-l-5, Enterprise 4 – Technology Park Malaysia  
Lebuhraya Puchong – Sg.Besi, Bukit Jalil  
57000 KUALA LUMPUR, Malaysia  
Tel: +603-8996 8088 – Fax: +603 2178 4775  
info@esker.com.my – www.esker.com.my

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