Developer Guide for DWService SOAP API

Overview of the SOAP API

The SOAP API is identified as 'DWService'. It supports operations for managing document streams and related information related to DocuWare.

Operations Supported

❖ **GetDocumentStream**: Retrieves the stream of a document based on provided identifiers and user credentials.

- ➢ Request Parameters:
    - ApplicationID (String)
    - sWindowID (String)
    - DWUserName (String)
    - DWPassword (String)
    - CallingAppUserID (String)
    - DocID (Integer)
- ➢ Response:
    - Returns a base64Binary stream of the document (Byte[])

❖ **GetDocumentExtention**: Fetches the extension (likely the format or additional metadata) of a specified document.

- ➢ Request Parameters:
    - ApplicationID (String)
    - sWindowID (String)
    - DWUserName (String)
    - DWPassword (String)
    - CallingAppUserID (String)
    - DocID (Integer)
- ➢ Response:
    - Returns the extension (format) of the document (String).

❖ **GetDocumentId**: Obtains the document identifier based on specific keys and values.
  ➢ Request Parameters:
    • ApplicationID (String)
    • sWindowID (String)
    • DWUserName (String)
    • DWPassword (String)
    • CallingAppUserID (String)
    • sKeys (String[])
    • sValues (String[])
  ➢ Response:
    • Returns an array of integers representing the document identifiers (Integer[]).

❖ **GetAllDocuments**: Retrieves all documents based on provided identifiers and user credentials.
  ➢ Request Parameters:
    • ApplicationID (String)
    • sWindowID (String)
    • DWUserName (String)
    • DWPassword (String)
    • CallingAppUserID (String)
    • sKeys (String[])
    • sValues (String[])
  ➢ Response:
    • Returns a `DataTable` with the document details.

Request and Response Structure

Each operation has a defined request and response structure, detailed in the WSDL. Specific elements include various identifiers and credentials, with responses tailored to the operation (e.g., document streams, identifiers, or data tables).

Security and Policy

The API uses HTTPS for secure communication. Client certificates are not required by default. Username and password authentication is supported, and specific security policies like WS-Security (WssUsernameToken10 and Trust10) are in place to ensure secure transactions.

Endpoint Configuration

SOAP Binding: SOAP 1.2

Addressing: WS-Addressing with action URIs defined for each operation.

Location: The service is available at 'https://localhost/DWWSIntegrationMOJ/DWWS.svc'.

Example SOAP Request (for GetDocumentStream)

```
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap12="http://schemas.xmlsoap.org/soap/envelope/">
      <soap12:Body>
            <GetDocumentStream xmlns="http://tempuri.org/">
                  <ApplicationID>YourAppID</ApplicationID>
                  <sWindowID>YourWindowID</sWindowID>
                  <DWUserName>YourUsername</DWUserName>
                  <DWPassword>YourPassword</DWPassword>
                  <CallingAppUserID>YourUserID</CallingAppUserID>
                  <DocID>123</DocID>
            </GetDocumentStream>
      </soap12:Body>
</soap12:Envelope>
```

Developer Notes

Replace placeholders like 'YourAppID', 'YourWindowID', etc., with actual values. Ensure that requests are sent with proper HTTP headers and over HTTPS. Handle SOAP faults and errors by checking the SOAP response for fault elements.