



Search-Retrieve Web/URL Schemas & WSDL

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Overview

- XML Schemas defines the datatypes and record structures to be referenced by service messages.
- WSDL defines the services in terms of operation names, messages and transport mechanisms etc.



SRW/U Messages

- Request message:
searchRetrieveRequest is defined directly within the WSDL Service description.
- Response message:
searchRetrieveResponse is defined by separate XML Schema.



SRW/U Request message

Query: string

- *startRecord*: integer
- *maximumRecords*: integer.
- *responseSchema*: string. Optional
- *recordSchema*: string. Optional
- <http://www.portia.dk/pubs/SRW/SrwRequest.xsd>



SRW/U Response message

- *resultSetReference*.
 - *resultSetname*. String
 - *resultSetTTL*. String with ISO time/date format
- *totalHits*. Integer
- *records*. Array of *record*:
 - *schema*. String
 - *recordData*. anyType
- *status*
- <http://www.portia.dk/pubs/SRW/SrwResponse.xsd>



SRW/U Services

- portType name = *ZiNGPort*
- Operation name = *searchRetrieve*
- Input message = *searchRetrieveRequest*
- Output message = *searchRetrieveResponse*
- <http://www.portia.dk/pubs/SRW/SrwWSDL.xml>



SRW/U Transport bindings

- Binding name = *SRW*. Type = ZiNGPort
 - Binds service to SOAP requests over HTTP
- Binding name = *SRU*. Type = ZiNGPort
 - Binds requests to URLs in HTTP GET requests
 - Binds responses to XML documents in HTTP GET responses