

Web Services

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Simple Client

Simple Client with Classes

Simple Client/Server

Complex Parameters

Exceptions

Headers

Simple Client

```
'http://api.google.com/GoogleSearch.wsdl'  
asURI get contents.
```

```
client := GoogleSearchPortWsdIClient new.
```

```
client doSpellingSuggestion: Google  
phrase: 'servcs'.
```

```
client doGoogleSearch: Google  
q: 'VisualWorks WebServices'  
start: 1 maxResults: 10 filter: true  
restrict: '' safeSearch: true lr: '' ie: '' oe: ''.
```

```
client close
```

'Time now' Service

'TimeNowService.wsdl' asFilename edit.

server := TimeNowServer new.

server start.

client := TimeNowServiceClient new.

client start.

client timeNow.

client stop.

server stop.

UnitConverter Service

```
server := UnitConverterServer new start.  
client := UnitConverterClient new start.
```

```
client getMeasures.
```

```
client
```

```
  convert: 7.5
```

```
  from: 'ft'
```

```
  to: 'm'
```

```
  measure: 'length'.
```

```
client getUnits: 'weight'.
```

```
client stop.
```

```
server stop.
```

UnitConverter Service - Exceptions

```
[ client convert: 7.5  
  from: 'mm'  
  to: 'yd'  
  measure: 'length'.  
] on: UnknownUnit, UnknownMeasure  
do: [ :ex | ... ].
```

```
[ client getUnits: 'volume'.  
] on: UnknownMeasure  
do: [ :ex | ... ].
```

UnitConverter Service - Headers

Header Processors

processing callbacks

input: client -> server

output: server -> client

direction: adding/processing

ClientAuthentication - password (input)

Header Faults

BadPassword

BadPasswordProcessor (output)

References

WSDLWizard

doc/WebServices.pdf

doc/OpentalkDevGuide.pdf

[http://www.cincomsmalltalk.com/publicRepository/
bundle Presentations-MK
class CSTUC06WS](http://www.cincomsmalltalk.com/publicRepository/bundle Presentations-MK/class CSTUC06WS)