

SDN Community Contribution

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Applies To:

ABAP / BSP Technology

Article Summary

A code sample which gathers a requested currency rate from an external website for use within your SAP Environment.

See also: [SDN Meets Labs: Integrated Web Content](#)

Complete presentation found [here](#).

This ABAP program uses the data supplied by the website: <http://www.x-rates.com>

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Date: April 20, 2005

ABAP Program

```
* Parameters
parameter: cur type c length 3.

* HTTP Client
data: client TYPE REF TO if_http_client,
      path TYPE STRING,
      scheme TYPE i,
      host TYPE STRING,
      port TYPE STRING.

* Error checking
data: RC type sy-subrc,
      HTTP_RC TYPE SYSUBRC.

* Content processing
data: content TYPE STRING,
      off TYPE i,
      tmp TYPE STRING,
      p TYPE STRING.

* Given Path information
scheme = 1.
port = '80'.
host = 'www.x-rates.com'.
path = '/d/USD/table.html'.

*create client object
call method cl_http_client=>create
EXPORTING
  host = host
```

```
service = port
scheme = scheme
IMPORTING
client = client.
```

```
client->request->set_header_field( name = '~request_uri'
                                   value = path ).
client->request->set_header_field( name = '~request_method'
                                   value = 'GET' ).
```

```
* send and receive
client->send( ).
call method client->receive
exceptions
    http_communication_failure = 1
    http_invalid_state         = 2
    http_processing_failed     = 3
    others                      = 4.
```

```
* Did you get an error
RC = sy-subrc.
client->response->get_status( IMPORTING code = http_rc ).
```

```
if http_rc EQ 200.
    * display content
    content = client->response->get_cdata( ).

    * Find start point
    tmp = content.
    p = cur.
    FIND p IN tmp MATCH OFFSET off.

    * New content
    content = tmp+off.

    * Find end point
    tmp = content.
    p = '>'.
    FIND p IN tmp MATCH OFFSET off.

    * New content
    off = off + 1.
    content = tmp+off.

    * Find final end point
    tmp = content.
    p = '</a>'.
    FIND p IN tmp MATCH OFFSET off.

    * New content
    content = tmp+0(off).
endif.
```

```
* Close Client
client->close( ).
```

```
* Output result
write: content.
```

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