Test Files Package for Smartcard Web Server

Candidate Version 1.2 – 11 Oct 2011

Open Mobile Alliance

OMA-TFP-Smartcard_Web_Server-V1_2-20111011-C

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1. Scope

This document describes in detail the files needed to support testing for Smartcard Web Server 1.2.

2. References

[OMADICT] "Dictionary for OMA Specifications", Version 2.7, Open Mobile Alliance™, OMA-ORG-Dictionary-V2_7, URL:http://www.openmobilealliance.org/

3. Terminology and Conventions

3.1 Conventions

This is an informative document, which is not intended to provide testable requirements to implementations.

3.2 Definitions

None

3.3 Abbreviations

OMA	Open Mobile Alliance

4. Introduction

This document provides the files needed to support testing of the Smartcard Web Server Enabler Release 1.2.

4.1 Description of Directory Hierarchy

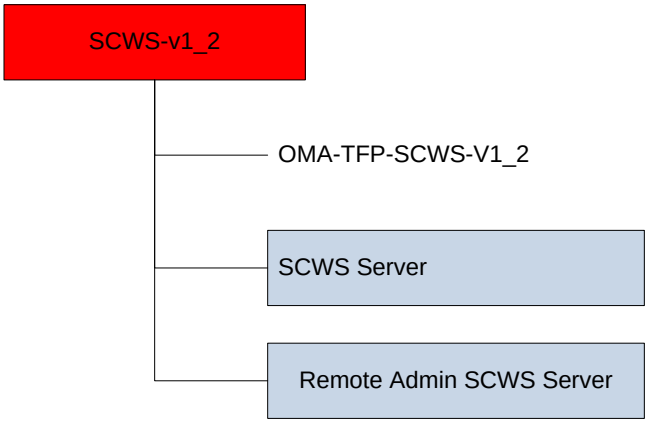

Figure 1: Directory Hierarchy for the Smartcard Web Server Enabler Test Files

4.2 Description of File Distribution for Testing

The supporting files are attached to the TFP package.

5. Script Files

N/A

6. Test Content Files

This section describes the test data files included in the package.

6.1 Content Files for SCWS Server

The test data files in this section are associated to the tests driven from the SCWS server.

6.1.1 Reference content group – content type and content length test group

Reference File Path	File Description	Comments
/index.html	main html page	
/img/bullet_blue.gif	gif image	
/img/bullet_green.gif	gif image	
/img/bullet_purple.gif	gif image	
/img/bullet_red.gif	gif image	
/img/bullet_yellow.gif	gif image	
/img/linea.gif	gif image	
/img/oma_logo.gif	gif image	
/testsize/testsize.html	main content test html page	
/testsize/Bullet.gif	gif image	
/testsize/mobile_tv.gif	gif image	
/testsize/Mer-d-Iroise.jpg	jpeg image	
/testsize/audio.mid	midi audio file	
/testsize/Malaga_bench.jpg	jpeg image	

Table 1: Reference content group of content type and content length test group

6.1.2 Reference content group – connectivity test group

Reference File Path	File Description	Comments
/testpages/testpages.html	main connectivity test html page	
/testpages/1.html	html page	
/testpages/2.html	html page	
/testpages/3.html	html page	
/testpages/4.html	html page	
/testpages/5.html	html page	
/testpages/6.html	html page	
/testpages/7.html	html page	
/testpages/8.html	html page	
/testpages/9.html	html page	
/testpages/img/GIF1.gif	gif image	
/testpages/img/GIF2.gif	gif image	

/testpages/img/GIF3.gif	gif image	
/testpages/img/GIF4.gif	gif image	
/testpages/img/GIF5.gif	gif image	
/testpages/img/GIF6.gif	gif image	
/testpages/img/GIF7.gif	gif image	
/testpages/img/GIF8.gif	gif image	
/testpages/img/GIF9.gif	gif image	
/testpages/styles/normal.css	style sheet	

Table 2: Reference content group of connectivity test group

6.1.3 Reference content group – URI test group

Reference File Path	File Description	Comments
/testuri/testuri.html	main uri test html page	
/testuri/indexquery.html	html page	
/testuri/uri with escaped char.html	html page	
/testuri/uri_with_long_file_name_length_for_html_page_58_bytes.html	html page	
/testuri/urilong.html	html page	
/testuri/aAaAaAaAaA/bBbBbBbBbB/cCcCcCcCcC/dDdDdDdDdD/ index5levels.html	html page	
/testuri/uri_with_long_directory_name_length_for_html_page_58_bytes/ index.html	html page	

Table 3: Reference content group of URI test group

6.1.4 Reference content group – Protection test group

Reference File Path	File Description	Comments
/testprotection/testprotection.html	main protection test html page	
/testprotection/admin/admin.html	html page	
/testprotection/basic/basic.html	html page	
/testprotection/basic/d2/d2.html	html page	
/testprotection/digest/digest.html	html page	

Table 4: Reference content group of Protection test group

6.1.5 Reference content group – Dynamic content test group

Reference File Path	File Description	Comments
/testdynamiccontent/testdynamiccontent.html	main dynamic content test html page	
/testdynamiccontent/testchunck.html	html page	

/testdynamiccontent/testfailed.html	html page	
/testdynamiccontent/testformgethello.html	html page	
/testdynamiccontent/testformposthello.html	html page	

Table 5: Reference content group of Dynamic content test group

6.1.6 Reference content group – Transport protocol test group

Reference File Path	File Description	Comments
/index.html	main html page	
/img/bullet_blue.gif	gif image	
/img/bullet_green.gif	gif image	
/img/bullet_purple.gif	gif image	
/img/bullet_red.gif	gif image	
/img/bullet_yellow.gif	gif image	
/img/linea.gif	gif image	
/img/oma_logo.gif	gif image	
/testsize/testsize.html	main content test html page	
/testsize/Bullet.gif	gif image	
/testsize/mobile_tv.gif	gif image	
/testsize/Mer-d-Iroise.jpg	jpeg image	
/testsize/audio.mid	midi audio file	
/testsize/Malaga_bench.jpg	jpeg image	

Table 6: Reference content group of Transport protocol test group

6.1.7 Reference content group – Access Control Policy test group

Reference File Path	File Description	Comments
/oma-500/index.html	html page	
/oma-500/mobile_tv.gif	gif image	

Table 7: Reference content group of Access Control Policy test group

6.2 Content Files for Remote Admin SCWS Server

The test data files in this section are associated to the tests driven from the Remote Admin SCWS server.

6.2.1 Reference content group – Portal administration test group

Reference File Path	File Description	Comments
/oma-500/index.html	html page	
/oma-500/mobile_tv.gif	gif image	
/oma-501/index.html	html page	
/oma-501/Mer-d-Iroise.jpg	jpeg image	

/oma-502/index.html	html page	
/oma-502/page1.html	html page	
/oma-502/page2.html	html page	
/oma-502/gif2k1.gif	gif image	
/oma-502/gif2k2.gif	gif image	
/oma-502/gif2k3.gif	gif image	
/oma-502/gif2k4.gif	gif image	
/oma-502/gif2k5.gif	gif image	
/oma-502/gif2k6.gif	gif image	
/oma-502/gif5k1.gif	gif image	
/oma-502/gif5k2.gif	gif image	
/oma-502/gif5k3.gif	gif image	
/oma-502/gif5k4.gif	gif image	
/oma-503/index.html	html page	
/oma-503/page1.html	html page	
/oma-503/page2.html	html page	
/oma-503/page3.html	html page	
/oma-503/img/18k1.gif	gif image	
/oma-503/img/18k2.gif	gif image	
/oma-503/img/gif2k1.gif	gif image	
/oma-503/img/gif2k2.gif	gif image	
/oma-503/img/gif2k3.gif	gif image	
/oma-503/img/gif2k4.gif	gif image	
/oma-503/img/gif2k5.gif	gif image	
/oma-503/img/gif2k6.gif	gif image	
/oma-503/img/gif2k7.gif	gif image	
/oma-503/img/gif2k8.gif	gif image	
/oma-503/img/gif2k9.gif	gif image	
/oma-503/img/gif2k10.gif	gif image	
/oma-503/img/gif2k11.gif	gif image	
/oma-503/img/gif2k12.gif	gif image	
/oma-503/img/gif5k1.gif	gif image	
/oma-503/img/gif5k2.gif	gif image	
/oma-503/img/gif5k3.gif	gif image	
/oma-503/img/gif5k4.gif	gif image	
/oma-503/img/gif5k5.gif	gif image	
/oma-503/img/gif5k6.gif	gif image	
/oma-503/img/gif5k7.gif	gif image	
/oma-503/img/gif5k8.gif	gif image	

/oma-506-A/index.html	html page	
/oma-506-B/index.html	html page	
/oma-507-bank/index.html	html page	
/oma-507-transport/index.html	html page	

Table 8: Reference content group of Portal administration test group

6.2.2 Reference content group – Connectivity test group

Reference File Path	File Description	Comments
/oma-551/index.html	html page	
/oma-551/img/gif2k1.gif	gif image	
/oma-551/img/gif2k2.gif	gif image	
/oma-551/img/gif2k3.gif	gif image	
/oma-551/img/gif2k4.gif	gif image	
/oma-551/img/gif2k5.gif	gif image	
/oma-551/img/gif2k6.gif	gif image	
/oma-552/index.html	html page	
/oma-552/img/gif2k1.gif	gif image	
/oma-552/img/gif2k2.gif	gif image	
/oma-552/img/gif2k3.gif	gif image	
/oma-552/img/gif2k4.gif	gif image	
/oma-552/img/gif2k5.gif	gif image	
/oma-552/img/gif2k6.gif	gif image	
/oma-553/index.html	html page	
/oma-553/img/gif2k1.gif	gif image	
/oma-553/img/gif2k2.gif	gif image	
/oma-553/img/gif2k3.gif	gif image	
/oma-553/img/gif2k4.gif	gif image	
/oma-553/img/gif2k5.gif	gif image	
/oma-553/img/gif2k6.gif	gif image	
/oma-554/index.html	html page	
/oma-554/img/gif2k1.gif	gif image	
/oma-554/img/gif2k2.gif	gif image	
/oma-554/img/gif2k3.gif	gif image	
/oma-554/img/gif2k4.gif	gif image	
/oma-554/img/gif2k5.gif	gif image	
/oma-554/img/gif2k6.gif	gif image	

/oma-555/index.html	html page	
/oma-555/img/gif2k1.gif	gif image	
/oma-555/img/gif2k2.gif	gif image	
/oma-555/img/gif2k3.gif	gif image	
/oma-555/img/gif2k4.gif	gif image	
/oma-555/img/gif2k5.gif	gif image	
/oma-555/img/gif2k6.gif	gif image	
/oma-556/index.html	html page	
/oma-556/img/gif2k1.gif	gif image	
/oma-556/img/gif2k2.gif	gif image	
/oma-556/img/gif2k3.gif	gif image	
/oma-556/img/gif2k4.gif	gif image	
/oma-556/img/gif2k5.gif	gif image	
/oma-556/img/gif2k6.gif	gif image	

Table 9: Reference content group of Connectivity test group

6.2.3 Reference content group – TLS test group

Reference File Path	File Description	Comments
/oma-600/index.html	html page	
/oma-600/img/gif2k1.gif	gif image	
/oma-600/img/gif2k2.gif	gif image	
/oma-600/img/gif2k3.gif	gif image	
/oma-600/img/gif2k4.gif	gif image	
/oma-600/img/gif2k5.gif	gif image	
/oma-600/img/gif2k6.gif	gif image	
/oma-601/index.html	html page	
/oma-601/img/gif2k1.gif	gif image	
/oma-601/img/gif2k2.gif	gif image	
/oma-601/img/gif2k3.gif	gif image	
/oma-601/img/gif2k4.gif	gif image	
/oma-601/img/gif2k5.gif	gif image	
/oma-601/img/gif2k6.gif	gif image	

Table 10: Reference content group of TLS test group

6.2.4 Reference content group – Lightweight test group

Reference File Path	File Description	Comments

-	-	-

Table 11: Reference content group of Lightweight test group

6.2.5 Reference content group – Transport protocol test group

Reference File Path	File Description	Comments
/oma-500/index.html	html page	
/oma-500/mobile_tv.gif	gif image	

Table 12: Reference content group of Transport protocol test group

6.2.6 Reference content group – Backward compatibility test group

Reference File Path	File Description	Comments
/oma-502/index.html	html page	
/oma-502/page1.html	html page	
/oma-502/page2.html	html page	
/oma-502/gif2k1.gif	gif image	
/oma-502/gif2k2.gif	gif image	
/oma-502/gif2k3.gif	gif image	
/oma-502/gif2k4.gif	gif image	
/oma-502/gif2k5.gif	gif image	
/oma-502/gif2k6.gif	gif image	
/oma-502/gif5k1.gif	gif image	
/oma-502/gif5k2.gif	gif image	
/oma-502/gif5k3.gif	gif image	
/oma-502/gif5k4.gif	gif image	

Table 13: Reference content group of Backward compatibility test group

6.2.7 Reference content group – Administration Triggering test group

Reference File Path	File Description	Comments
/oma-500/index.html	html page	
/oma-500/mobile_tv.gif	gif image	
/oma-501/index.html	html page	
/oma-501/Mer-d-Iroise.jpg	jpeg image	
/oma-503/index.html	html page	

Table 14: Reference content group of content type and content length test group

7. Smartcard applications

7.1.1 Dynamic content applications

This chapter gives a description of the expected behaviour of the different dynamic content applications used by the different test cases.

7.1.1.1 Content providing application Hello

Content providing application Hello is map on URL '/testdynamiccontent/hello'.

- On HTTP POST request with Content-Type: application/x-www-form-urlencoded:Extracts the firstname field value from the POST request body.
- Format the HTTP response with:
    - Status-code: 200
    - Content-Type: text/plain
    - Content-Length: XX (length of the body)
    - Content body egal to "Hello " concatenated with firstname field value.

On HTTP GET request with query-sting

- Extracts the firstname field value from the GET request query-string.
- Format the HTTP response with:
    - Status-code: 200
    - Content-Type: text/plain
    - Content-Length: XX (length of the body)
    - Content body egal to "Hello " concatenated with firstname field value.

Processing example:

- On HTTP POST

```
------------------------------------------------------------------------>
POST /testdynamiccontent/hello HTTP/1.1
Host: localhost:3516
Content-Type: application/x-www-form-urlencoded
Content-Length: 15

firstname=Jones
<------------------------------------------------------------------------
HTTP 200 OK
Content-Type: text/plain
Content-Length: 11

Hello Jones
```

- On HTTP GET

```
------------------------------------------------------------------------>
GET /testdynamiccontent/hello?firstname=Jones HTTP/1.1
Host: localhost:3516

<------------------------------------------------------------------------
HTTP 200 OK
Content-Type: text/plain
Content-Length: 11

Hello Jones
```

7.1.1.2 Content providing application Chunck

Content providing application Chunck is map on URL '/testdynamiccontent/chunck'.

On HTTP POST request with Content-Type: application/x-www-form-urlencoded:Extracts the firstname field value from the POST request body.

- Format the HTTP response with:
    - Status-code: 200
    - Content-Type: text/plain
    - Transfert-Encoding: chunck
    - Content body egal to '05CRLFHello CRLF XXCRLF' + firstname field value + 'CRLF00CRLFCRLF' (XX egal to the firstname field value.

Processing example:

```
------------------------------------------------------------------------>
POST /testdynamiccontent/hello HTTP/1.1
Host: localhost:3516
Content-Type: application/x-www-form-urlencoded
Content-Length: 15

firstname=Jones
<------------------------------------------------------------------------
HTTP 200 OK
Content-Type: text/plain
Transfert-Encoding: chuncked

05
Hello
05
Jones
00
```

8. Device applications

This chapter gives a description of the expected behaviour of the different device applications used by the different test cases:

- These applications try to access the SCWS resource ‘mobile_tv.gif’
- An error message is displayed if the access is rejected; otherwise the image ‘mobile_tv.gif’ is displayed.

Depending on the test case, the device application is signed with a certificate that is considered as trusted or untrusted

Change History

Approved Version History

Reference	Date	Description
n/a	n/a	No prior version

Draft/Candidate Version 1.2 History

Document Identifier	Date	Sections	Description
Draft Versions OMA-TFP-Smartcard_Web_Server-V1_2	31 Mar 2011	All	Initial version, based on OMA-TFP-Smartcard_Web_Server-V1_2-20081029-D. and 2011 ETR Template
	22 Aug 2011	4.1, 6.1.1 New sections: 6.1.6, 6.1.7 and 6.2.7	The following CRs are incorporated: OMA-IOP-BRO-2011-0054-CR_SCWS12_TFP_Editorials OMA-IOP-BRO-2011-0055-CR_SCWS12_TFP_NewSections
	01 Sept 2011	6.1.7, 6.2.1, 6.2.5, 6.2.7 New section 8	The following CRs are incorporated: OMA-IOP-BRO-2011-0073-CR_SCWS12_TFP_DeviceApplications OMA-IOP-BRO-2011-0074-CR_SCWS12_TFP_Ressources_500_501 The content package "Content_Files_Remote_Admin_SCWS_Server.zip" is updated accordingly.
Candidate Versions OMA-TFP-Smartcard_Web_Server-V1_2	11 Oct 2011	n/a	Status changed to Candidate by TP TP Ref# OMA-TP-2011-0343-INP_SCWS_1_2_TFP_for_Candidate_Approval