



ONVIF Conformance Test

Performed by

Operator - Anten Cheng

Organization - Brickcom

Address - No.1 Jen Ai Rd, Hsinchu Industrial Park, Hukou, Taiwan, R.O.C 303

Device Under Test

Brand - Brickcom

Model - VS-01Ae

Serial Number - AAHA01B00279

Firmware Version - v3.0.7.2

Other -

ONVIF Test Tool version 1.01.1.26

ONVIF Test Specification version 1.01, September 2009

ONVIF Core Specification version 1.01, July 2009

Test Date and Time - Test date - 2010/9/8 @ 11:54:15

ONVIF Test Summary

Test Count: 45

Mandatory Tests Skipped: 0

Optional Tests Skipped: 0

Tests Executed: 45

Tests Passed: 45

Tests Failed: 0

ONVIF Tests

Device Discovery Test Cases

8.1.1 - MULTICAST NVT HELLO MESSAGE

Test Results

Step 1 - Transmit SystemReboot message

Step Passed

Step 2 - Receive SystemRebootResponse message

Response Message validated

Response Message received - Rebooting in 3 seconds

Step Passed

Step 3 - Receive multicast HELLO Message

Multicast Hello Message received

Step Passed

Test complete

Test PASSED

8.1.2 - MULTICAST NVT HELLO MESSAGE VALIDATION

Test Results

Step 1 - Transmit SystemReboot message

Step Passed

Step 2 - Receive SystemRebootResponse message

Response Message validated

Response Message received - Rebooting in 3 seconds

Step Passed

Step 3 - Receive multicast HELLO message

Multicast Hello Message received

Step Passed

Step 4 - Verify HELLO message

Multicast Hello Message validated

Step Passed

Test complete

Test PASSED

8.1.3 - MULTICAST NVT SEARCH BASED ON DEVICE SCOPE TYPES

Test Results

Step 1 - Transmit GetScopesRequest message

Step Passed

Step 2 - Receive GetScopesResponse message

Get Scopes Response Message validated

Device Scope found - onvif://www.onvif.org/name/VS-01Ae

Device Scope found - onvif://www.onvif.org/type/video_encoder

Device Scope found - onvif://www.onvif.org/type/audio_encoder

Device Scope found - onvif://www.onvif.org/hardware/G-version

Device Scope found - onvif://www.onvif.org/location/Taiwan

Device Scope found - onvif://www.onvif.org/type/Taiwan

Step Passed

Step 3.1 - Transmit multicast PROBE message

Scope Item = onvif://www.onvif.org/name/VS-01Ae

Step 4.1 - Receive PROBE MATCH message

Get Scopes Response Message validated

Step 3.2 - Transmit multicast PROBE message

Scope Item = onvif://www.onvif.org/type/video_encoder

Step 4.2 - Receive PROBE MATCH message

Get Scopes Response Message validated

Step 3.3 - Transmit multicast PROBE message

Scope Item = onvif://www.onvif.org/type/audio_encoder

Step 4.3 - Receive PROBE MATCH message

Get Scopes Response Message validated

Step 3.4 - Transmit multicast PROBE message

Scope Item = onvif://www.onvif.org/hardware/G-version

Step 4.4 - Receive PROBE MATCH message

Get Scopes Response Message validated

Step 3.5 - Transmit multicast PROBE message

Scope Item = onvif://www.onvif.org/location/Taiwan

Step 4.5 - Receive PROBE MATCH message

Get Scopes Response Message validated

Step 3.6 - Transmit multicast PROBE message

Scope Item = onvif://www.onvif.org/type/Taiwan

Step 4.6 - Receive PROBE MATCH message

Get Scopes Response Message validated

Step Passed

Test complete

Test PASSED

8.1.3.1 - NVT SEARCH WITH OMITTED DEVICE AND SCOPE TYPES

Test Results

Step 1 - Transmit multicast PROBE message

Device and scope types are empty

Step Passed

Step 2 - Receive unicast PROBE MATCH message

Get Scopes Response Message validated

Step Passed

Test complete

Test PASSED

8.1.3.2 - NVT RESPONSE TO INVALID SEARCH REQUEST

Test Results

Step 1 - Transmit multicast PROBE message with invalid device and scope types

POST returned a SOAP error - - uuid:e93fdb9-0a41-4989-8e6f-6bb296b092a7urn:schemas-xmlsoap-org:ws:2005:04:discoveryhttp://schemas.xmlsoap.org/ws/2005/04/discovery/ProbeSOAP-ENV:Sender

to invalid Probe message

Step Passed

Test complete

Test PASSED

8.1.4 - UNICAST NVT SEARCH BASED ON DEVICE SCOPE TYPES

Test Results

Step 1 - Transmit GetScopesRequest message

Step Passed

Step 2 - Receive GetScopesResponse message

Get Scopes Response Message validated

Device Scope found - onvif://www.onvif.org/name/VS-01Ae

Device Scope found - onvif://www.onvif.org/type/video_encoder

Device Scope found - onvif://www.onvif.org/type/audio_encoder

Device Scope found - onvif://www.onvif.org/hardware/G-version

Device Scope found - onvif://www.onvif.org/location/Taiwan

Device Scope found - onvif://www.onvif.org/type/Taiwan

Step Passed

Step 3.1 - Transmit unicast PROBE message

Scope Item = onvif://www.onvif.org/name/VS-01Ae

Step 4.1 - Receive PROBE MATCH message

Get Scopes Response Message validated

Step 3.2 - Transmit unicast PROBE message

Scope Item = onvif://www.onvif.org/type/video_encoder

Step 4.2 - Receive PROBE MATCH message

Get Scopes Response Message validated

Step 3.3 - Transmit unicast PROBE message

Scope Item = onvif://www.onvif.org/type/audio_encoder

Step 4.3 - Receive PROBE MATCH message

Get Scopes Response Message validated

Step 3.4 - Transmit unicast PROBE message

Scope Item = onvif://www.onvif.org/hardware/G-version

Step 4.4 - Receive PROBE MATCH message

Get Scopes Response Message validated

Step 3.5 - Transmit unicast PROBE message

Scope Item = onvif://www.onvif.org/location/Taiwan

Step 4.5 - Receive PROBE MATCH message

Get Scopes Response Message validated

Step 3.6 - Transmit unicast PROBE message

Scope Item = onvif://www.onvif.org/type/Taiwan

Step 4.6 - Receive PROBE MATCH message

Get Scopes Response Message validated

Step Passed

Test complete

Test PASSED

8.1.4.1 - UNICAST NVT SEARCH WITH OMITTED DEVICE AND SCOPE TYPES

Test Results

Step 1 - Transmit unicast PROBE message

Device and scope types are empty

Step Passed

Step 2 - Receive unicast PROBE MATCH message

Get Scopes Response Message validated

Step Passed

Test complete

Test PASSED

8.1.4.2 - UNICAST NVT RESPONSE TO INVALID SEARCH REQUEST

Test Results

Step 1 - Transmit unicast PROBE message with invalid device and scope types

Step Passed

Step 2 - Verify device does not send PROBE MATCH message

POST returned a SOAP error - - uuid:952604b8-d842-4780-ad24-9328cb8f34f3
urn:uuid:952604b8-d842-4780-ad24-9328cb8f34f3urn:schemas-xmlsoap-org:ws:2005:04:discovery
http://schemas.xmlsoap.org/ws/2005/04/discovery/ProbeSOAP-ENV:Sender

to invalid Probe message

Step Passed

Test complete

Test PASSED

8.1.5 - NVT DEVICE SCOPES CONFIGURATION

Test Results

Step 1 - Transmit GetScopesRequest message

Step Passed

Step 2 - Receive GetScopesResponse message

Get Scopes Response Message validated

Device Scope found - onvif://www.onvif.org/name/VS-01Ae
Device Scope found - onvif://www.onvif.org/type/video_encoder
Device Scope found - onvif://www.onvif.org/type/audio_encoder
Device Scope found - onvif://www.onvif.org/hardware/G-version
Device Scope found - onvif://www.onvif.org/location/Taiwan
Device Scope found - onvif://www.onvif.org/type/Taiwan
Step Passed
Step 3 - Transmit SetScopesRequest message of a fixed scope type
Step Passed
Step 4 - Receive SOAP 1.2 fault response, Operation Prohibited/Scope Overwrite
POST returned a SOAP error - fixed scope types cannot be overwritten -
env:Senderter:OperationProhibitedter:ScopeOverwritefixed scope types cannot be overwritten
as required
Step Passed
Step 5 - Transmit AddScopesRequest message
List of new scopes types
Adding new scope - onvif://www.onvif.org/name/TEMP_SCOPE_VALUE
Step Passed
Step 6 - Receive AddScopesResponse message
Add Scopes Response Message validated
Step Passed
Step 7 - Receive multicast HELLO message
Multicast Hello Message validated
Multicast Hello Message contained new scope -
onvif://www.onvif.org/name/TEMP_SCOPE_VALUE
Step Passed
Step 8 - Transmit unicast PROBE message
New scopes types = onvif://www.onvif.org/name/TEMP_SCOPE_VALUE
Step Passed
Step 9 - Receive unicast PROBE MATCH message
Get Scopes Response Message validated
Step Passed
Step 10 - Transmit DeleteScopesRequest message
New scopes types = onvif://www.onvif.org/name/TEMP_SCOPE_VALUE
Step Passed
Step 11 - Receive DeleteScopesResponse message
List of scopes types deleted
Remove Scopes Response Message validated

Step Passed
Step 12 - Receive multicast HELLO message
Multicast Hello Message validated
Step Passed
Step 13 - Transmit unicast PROBE message
New scopes types = onvif://www.onvif.org/name/TEMP_SCOPE_VALUE
Step Passed
Step 14 - Verify device does not send PROBE MATCH message
Unit did not send PROBE MATCH message.
Temporary scope has been deleted successfully
Step Passed
Test complete
Test PASSED

8.1.6 - NVT BYE MESSAGE

Test Results

Step 1 - Transmit SystemReboot message
Step Passed
Step 2 - Receive SystemRebootResponse message
Response Message validated
Response Message received - Rebooting in 3 seconds
Step Passed
Step 3 - Receive multicast BYE message
Response Message validated
Step Passed
Prepare to pause for "User defined boot time" 70000 ms
Step Passed
Pause done, resuming test
Step Passed
Test complete
Test PASSED

8.1.7 - NVT DISCOVERY SOAP FAULT*

*Optional Test

Test Results

Step 1 - Transmit unicast PROBE message

Step Passed

Step 2 - Receive SOAP 1.2 fault response

POST returned a SOAP error - the matching rule specified is not supported - uuid:1ca7b43c-58a1-4008-8b4b-63854ae5b15buuid:1ca7b43c-58a1-4008-8b4b-63854ae5b15burn:schemas-xmlsoap-org:ws:2005:04:discoveryhttp://schemas.xmlsoap.org/ws/2005/04/discovery/faultSOAP-ENV:Senderd:MatchingRuleNotSupportedthe matching rule specified is not supported

as required

Step Passed

Test complete

Test PASSED

Device Management Test Cases

8.2.1 - NVT WSDL URL

Test Results

Step 1 - Transmit GetWsdUrlRequest message

Step Passed

Step 2 - Receive GetWsdUrlResponse message

Message validated

WSDL URL = http://10.5.151.52:80/onvif/device_service

Step Passed

Test complete

Test PASSED

8.2.2 - NVT ALL CAPABILITIES

Test Results

Step 1 - Transmit GetCapabilitiesRequest message

CapabilityCategory = "ALL"

Step Passed

Step 2 - Receive GetCapabilitiesResponse message

Message validated

All required capabilities found

Step Passed
Test complete
Test PASSED

8.2.3 - NVT DEVICE CAPABILITIES

Test Results

Step 1 - Transmit GetCapabilitiesRequest message
CapabilityCategory = "DEVICE"
Step Passed
Step 2 - Receive GetCapabilitiesResponse message
Device capabilities
Message validated
Device supports ONVIF version 2.0
All required capabilities found
Step Passed
Test complete
Test PASSED

8.2.4 - NVT MEDIA CAPABILITIES

Test Results

Step 1 - Transmit GetCapabilitiesRequest message
CapabilityCategory = "MEDIA"
Step Passed
Step 2 - Receive GetCapabilitiesResponse message
Media capabilities
Message validated
All required capabilities found
Step Passed
Test complete
Test PASSED

8.2.5 - NVT SERVICE CATEGORY CAPABILITIES

Test Results

Step 1 - Transmit GetCapabilitiesRequest message

CapabilityCategory = "ANALYTICS"

Step Passed

Step 2 - Receive GetCapabilitiesResponse or SOAP 1.2 fault response

Depending on device capabilities

Message validated

Analytics capabilities found

Step Passed

Step 3 - Transmit GetCapabilitiesRequest message

CapabilityCategory = "EVENTS"

Step Passed

Step 4 - Receive GetCapabilitiesResponse or SOAP 1.2 fault response

Depending on device capabilities

Message validated

Events capabilities found

Step Passed

Step 5 - Transmit GetCapabilitiesRequest message

CapabilityCategory = "IMAGING"

Step Passed

Step 6 - Receive GetCapabilitiesResponse or SOAP 1.2 fault response

Depending on device capabilities

Message validated

Imaging capabilities found

Step Passed

Step 7 - Transmit GetCapabilitiesRequest message

CapabilityCategory = "PTZ"

Step Passed

Step 8 - Receive GetCapabilitiesResponse or SOAP 1.2 fault response

Depending on device capabilities

Message validated

Step Passed

Test complete

Test PASSED

8.2.6 - NVT DEVICE SOAP FAULT

Test Results

Step 1 - Transmit GetCapabilitiesRequest message

CapabilityCategory = "XYZ"

Step Passed

Step 2 - Receive SOAP 1.2 fault response

POST returned a SOAP error - Validation constraint violation: data type mismatch in element 'tds:Category' - SOAP-ENV:SenderValidation constraint violation: data type mismatch in element 'tds:Category'

as required

Step Passed

Test complete

Test PASSED

8.2.7 - NVT NETWORK COMMAND HOSTNAME CONFIGURATION

Test Results

Step 1 - Transmit GetHostnameRequest message

Step Passed

Step 2 - Receive GetHostnameResponse message

FromDHCP = true/false, Name = <hostname>

Message validated

HostnameInformation, from DHCP = False

HostnameInformation, Name = localhost.localdomain

Step Passed

Test complete

Test PASSED

8.2.7.1 - NVT NETWORK COMMAND SET HOSTNAME TEST

Test Results

Step 1 - Transmit SetHostnameRequest message

Set Hostname ="Test"

Step Passed

Step 2 - Receive SetHostnameResponse message

Message validated
Step Passed
Step 3 - Transmit GetHostnameRequest message
Step Passed
Step 4 - Receive GetHostnameResponse message
Message validated
HostnameInformation, from DHCP = False
HostnameInformation, Name set to = Test
Step Passed
Test complete
Test PASSED

8.2.7.2 - NVT NETWORK COMMAND SET INVALID HOSTNAME TEST

Test Results

Step 1 - Transmit SetHostnameRequest message
Name="Test#\$%"
Step Passed
Step 2 - Receive SOAP 1.2 fault message
POST returned a SOAP error - InvalidHostname - SOAP-
ENV:SenderInvalidArgValInvalidHostname
as required
Step Passed
Step 3 - Transmit GetHostnameRequest message
Step Passed
Step 4 - Receive GetHostnameResponse message
Message validated
HostnameInformation, from DHCP = False
HostnameInformation, Name = Test
Step Passed
Test complete
Test PASSED

8.2.8 - NVT NETWORK COMMAND DNS CONFIGURATION

Test Results

Step 1 - Transmit GetDNSRequest message

Step Passed

Step 2 - Receive GetDNSResponse message

Message validated

DNSInformation received

Step Passed

Test complete

Test PASSED

8.2.8.1 - NVT NETWORK COMMAND SET DNS TEST

Test Results

Step 1 - Transmit SetDNSRequest message

Step Passed

Step 2 - Receive SetDNSResponse message

Message validated

SetDNSResponse received

Step Passed

Step 3 - Transmit GetDNSRequest message

Step Passed

Step 4 - Receive GetDNSResponse message

Message validated

DNSInformation received

Step Passed

Test complete

Test PASSED

8.2.8.2 - NVT NETWORK COMMAND SET INVALID DNS TEST

Test Results

Step 1 - Transmit SetDNSRequest message

DNSManual=Invalid Server Address

Step Passed

Step 2 - Receive SOAP 1.2 fault message

POST returned a SOAP error - InvalidIPv4Address - SOAP-

ENV:SenderInvalidArgVallInvalidIPv4Address

as required

Step Passed

Step 3 - Transmit GetDNSRequest message

Step Passed

Step 4 - Receive GetDNSResponse message

Message validated

DNSInformation received

Step Passed

Test complete

Test PASSED

8.2.9 - NVT NETWORK COMMAND NTP CONFIGURATION

Test Results

Step 1 - Transmit GetNTPRequest message

Step Passed

Step 2 - Receive GetNTPResponse message

Message validated

NTPInformation received

Step Passed

Test complete

Test PASSED

8.2.9.1 - NVT NETWORK COMMAND SET NTP TEST

Test Results

Step 1 - Transmit SetNTPRequest message, Type = IPv4

Step Passed

Step 2 - Receive SetNTPResponse message

Message validated

SetNTPResponse received

Step Passed

Step 3 - Transmit GetNTPRequest message

Step Passed

Step 4 - Receive GetNTPResponse message

Message validated
NTPInformation received
Step Passed
Test complete
Test PASSED

8.2.9.2 - NVT NETWORK COMMAND SET INVALID IP NTP TEST

Test Results

Step 1 - Transmit SetNTPRequest message
Step Passed
Step 2 - Receive SOAP 1.2 fault message
POST returned a SOAP error - The suggested IPv4 address is invalid -
env:Senderter:InvalidArgValter:InvalidIPv4AddressThe suggested IPv4 address is invalid
as required
Step Passed
Step 3 - Transmit GetNTPRequest message
Step Passed
Step 4 - Receive GetNTPResponse message
Message validated
NTPInformation received
NTPInformation IPv4Address was NOT incorrectly set
Step Passed
Test complete
Test PASSED

8.2.10 - NVT SYSTEM COMMAND DEVICE INFORMATION

Test Results

Step 1 - Transmit GetDeviceInformationRequest message
Step Passed
Step 2 - Receive GetDeviceInformationResponse message
Message validated
Manufacturer - Brickcom Corporation
Model - VS-01Ae
FirmwareVersion - v3.0.7.2

SerialNumber - 00000001
HardwareId - TW9910
Device Information Valid
Step Passed
Test complete
Test PASSED

8.2.11 - NVT SYSTEM COMMAND SYSTEM DATE AND TIME

Test Results

Step 1 - Transmit GetSystemDateAndTimeRequest message
Step Passed
Step 2 - Receive GetSystemDateAndTimeResponse message
Message validated
System Date And Time Valid
Step Passed
Test complete
Test PASSED

8.2.11.1 - NVT SYSTEM COMMAND SET SYSTEM DATE AND TIME TEST

Test Results

Step 1 - Transmit SetSystemDateAndTimeRequest message
Step Passed
Step 2 - Receive SetSystemDateAndTimeResponse message
Message validated
Step Passed
Step 3 - Transmit GetSystemDateAndTimeRequest message
Step Passed
Step 4 - Receive GetSystemDateAndTimeResponse message
Message validated
System Date was set corectly
Step Passed
Test complete
Test PASSED

8.2.11.2 - NVT SYSTEM COMMAND SET SYSTEM DATE AND TIME INVALID TIMEZONE TEST

Test Results

Step 1 - Transmit SetSystemDateAndTimeRequest message

DateType="Manual", DayLightSavings=true, Timezone=INVALID,
UTCDateTime=Hour:Min:Sec, Year:Month:Day

Step Passed

Step 2 - Receive SOAP 1.2 fault message

POST returned a SOAP error - ter:InvalidTimeZone - SOAP-
ENV:Senderter:InvalidArgValter:InvalidTimeZone
as required

Step Passed

Step 3 - Transmit GetSystemDateAndTimeRequest message

Step Passed

Step 4 - Receive GetSystemDateAndTimeResponse message

Message validated

System Date And Time Valid

Step Passed

Test complete

Test PASSED

8.2.11.3 - NVT SYSTEM COMMAND SET SYSTEM DATE AND TIME INVALID DATE TEST

Test Results

Step 1 - Transmit SetSystemDateAndTimeRequest message

DateType="Manual", DayLightSavings=true, Timezone=POSIX 1003.1,
UTCDateTime=INVALID

Step Passed

Step 2 - Receive SOAP 1.2 fault message

POST returned a SOAP error - ter:InvalidDateTime - SOAP-
ENV:Senderter:InvalidArgValter:InvalidDateTime
as required

Step Passed

Step Passed

Step 3 - Transmit GetSystemDateAndTimeRequest message

Step Passed

Step 4 - Receive GetSystemDateAndTimeResponse message
Message validated
System Date And Time Valid
Step Passed
Test complete
Test PASSED

8.2.12 - NVT SYSTEM COMMAND FACTORY DEFAULT

Test Results

Step 1 - Transmit SetSystemFactoryDefaultRequest message
FactoryDefaultType = "Hard"
Step Passed
Step 2 - Receive SetSystemFactoryDefaultResponse message
Message validated
Step Passed
Step 3 - Receive multicast HELLO message
Message validated
Step Passed
Test complete
Test PASSED

8.2.12.1 - NVT SYSTEM COMMAND FACTORY DEFAULT SOFT

Test Results

Step 1 - Transmit SetSystemFactoryDefaultRequest message
FactoryDefaultType = "Soft"
Step Passed
Step 2 - Receive SetSystemFactoryDefaultResponse message
Message validated
Step Passed
Step 3 - Pause for "User defined boot time"
Step Passed
Step 4 - Transmit unicast PROBE message
Retransmit 10 times a second until a response is received or timeout
Sending Probe Request 1 - Received response

Step Passed
Step 5 - Receive PROBE MATCH message
Get Scopes Response Message validated
Step Passed
Test complete
Test PASSED

8.2.13 - NVT SYSTEM COMMAND RESET

Test Results

Step 1 - Transmit SystemReboot message
Step Passed
Step 2 - Receive SystemRebootResponse message
Response Message validated
Response Message received - Rebooting in 3 seconds
Step Passed
Step 3 - Receive multicast HELLO message
Message validated
Step Passed
Step 3 - Transmit unicast PROBE message
Step Passed
Step 4 - Receive PROBE MATCH message
Get Scopes Response Message validated
Step Passed
Test complete
Test PASSED

Media Configuration Test Cases

8.3.1 - NVT MEDIA PROFILE CONFIGURATION

Test Results

Step 1 - Transmit GetProfilesRequest message
Step Passed
Step 2 - Receive GetProfilesResponse message
Message validated

Existing media profiles
Profile found = MediaProfile1
Token = CHANNEL1
Profile found = MediaProfile2
Token = CHANNEL2
Step Passed
Test complete
Test PASSED

8.3.2 - NVT DYNAMIC MEDIA PROFILE CONFIGURATION

Test Results

Step 1 - Transmit GetProfilesRequest message

Step Passed

Step 2 - Receive GetProfilesResponse message

Message validated

Existing media profiles

Profile found = MediaProfile1

Video Source Configuration Token found = Profile1

Video Encoder Configuration Token found = Profile1

Step Passed

Step 3 - Transmit CreateProfilesRequest message

Name = "testprofile45"

Step Passed

Step 4 - Receive CreateProfilesResponse message

Message validated

Create profile response

Profile testprofile45

Profile token testprofile45

Profile token correct

Step Passed

Step 5 - Transmit AddVideoSourceConfigurationRequest message

Step Passed

Step 6 - Receive AddVideoSourceConfigurationResponse message

Message validated

Step Passed

Step 7 - Transmit AddVideoEncoderConfigurationRequest message

Step Passed
Step 8 - Receive AddVideoEncoderConfigurationResponse message
Message validated
Step Passed
Step 9 - Transmit GetProfileRequest message
Step Passed
Step 10 - Receive GetProfileResponse message
Message validated
Temporary profile found
Step Passed
Step 11 - Transmit RemoveVideoEncoderConfigurationRequest message
Step Passed
Step 12 - Receive RemoveVideoEncoderConfigurationResponse message
Message validated
Step Passed
Step 13 - Transmit RemoveVideoSourceConfigurationRequest message
Step Passed
Step 14 - Receive RemoveVideoSourceConfigurationResponse message
Message validated
Step Passed
Step 15 - Transmit DeleteProfilesRequest message
Step Passed
Step 16 - Receive DeleteProfilesResponse message
Message validated
Step Passed
Step 17 - Transmit GetProfilesRequest message
Step Passed
Step 18 - Receive SOAP 1.2 fault message
POST returned a SOAP error - The requested profile token testprofile45 does not exist. -
SOAP-ENV:Senderter:InvalidArgValThe requested profile token testprofile45 does not exist.
as required
Step Passed
Test complete
Test PASSED

8.3.3 - NVT JPEG VIDEO ENCODER CONFIGURATION

Test Results

Step 1 - Transmit GetProfilesRequest message

Step Passed

Step 2 - Receive GetProfilesResponse message

Message validated

Existing media profiles

Profile found = Profile1

Token = Profile1

Profile found = Profile2

Token = Profile2

Step Passed

Step 3 - Transmit GetVideoEncoderConfigurationRequest message

Step Passed

Step 4 - Receive GetVideoEncoderConfigurationResponse message

Message validated

Video Encoder Configuration - Profile1

Configuration token - Profile1

Configuration encoding - H264

Step Passed

Step 5 - Transmit SetVideoEncoderConfigurationRequest message

JPEG Video Encoder Configuration, force persistence = false

Step Passed

Step 6 - Receive SetVideoEncoderConfigurationResponse message

Message validated

Step Passed

Step 7 - Transmit GetVideoEncoderConfigurationRequest message

Step Passed

Step 8 - Receive GetVideoEncoderConfigurationResponse message

Message validated

Step Passed

Test complete

Test PASSED

8.3.4 - NVT MEDIA STREAM URI – RTP/UDP UNICAST TRANSPORT

Test Results

Step 1 - Transmit GetProfilesRequest message

Step Passed

Step 2 - Receive GetProfilesResponse message

Message validated

Existing media profiles

Profile found = Profile1

Token = Profile1

Step Passed

Step 3 - Transmit SetVideoEncoderConfigurationRequest message

JPEG Video Encoder Configuration, force persistence = false

Step Passed

Step 4 - Receive SetVideoEncoderConfigurationResponse message

Message validated

Step Passed

Step 5 - Transmit GetStreamUriRequest message

Profile token, RTP-Unicast, UDP

Step Passed

Step 6 - Receive GetStreamUriResponse message

Message validated

Stream URI = rtsp://10.5.151.52/channel1

Step Passed

Test complete

Test PASSED

8.3.5 - NVT MEDIA STREAM URI – RTP/RTSP/HTTP TRANSPORT

Test Results

Step 1 - Transmit GetProfilesRequest message

Step Passed

Step 2 - Receive GetProfilesResponse message

Message validated

Existing media profiles

Profile found = Profile1

Token = Profile1

Step Passed

Step 3 - Transmit SetVideoEncoderConfigurationRequest message

JPEG Video Encoder Configuration, force persistence = false

Step Passed

Step 4 - Receive SetVideoEncoderConfigurationResponse message

Message validated

Step Passed

Step 5 - Transmit GetStreamUriRequest message

Profile token, RTP-Unicast, HTTP

Step Passed

Step 6 - Receive GetStreamUriResponse message

Message validated

Stream URI = http://10.5.151.52:80/stream/bidirect/channel1

Step Passed

Test complete

Test PASSED

8.3.6 - NVT MEDIA SOAP FAULT

Test Results

Step 1 - Transmit GetStreamUriRequest message

INVALID PROFILE, RTP-Unicast, UDP

Step Passed

Step 2 - Receive SOAP 1.2 fault message

POST returned a SOAP error - The media profile does not exist. - SOAP-ENV:Senderter:InvalidArgValThe media profile does not exist.

as required

Step Passed

Test complete

Test PASSED

8.3.6.1 - NVT INVALID TRANSPORT SOAP FAULT MESSAGE

Test Results

Step 0 - (Pre test) Send GetProfilesRequest message for valid Profile Token

Message validated

Existing media profiles

Profile found = MediaProfile1

Token = CHANNEL1
Profile found = MediaProfile2
Token = CHANNEL2
Step Passed
Step 1 - Transmit GetStreamUriRequest message
Profile token, RTP-Unicast, RTP
Step Passed
Step 2 - Receive SOAP 1.2 fault message
POST returned a SOAP error - Validation constraint violation: data type mismatch in element
'tt:Protocol' - SOAP-ENV:SenderValidation constraint violation: data type mismatch in element
'tt:Protocol'
as required
Step Passed
Test complete
Test PASSED

Real Time Viewing Test Cases

8.4.1 - NVT MEDIA CONTROL – RTSP/TCP

Test Results

Step 1 - Setup NVT Media Stream URI - RTP/UDP Unicast transport
Send "Get Profiles Request"
Video Encoder Configuration found
Using profile "MediaProfile1" token = "CHANNEL1"
Send "Set Video Encoder Configuration Request"
Send "Get Stream Uri Request"
Stream URI = rtsp://10.5.151.52/channel1
Opening the video window
Step Passed
Step 2 - Send RTSP OPTIONS
RTSP Option Methods = DATE - Wed, Sep 08 2010 11
RTSP Option Methods = PUBLIC - OPTIONS, DESCRIBE, SETUP, TEARDOWN, PLAY,
PAUSE, SET_PARAMETER
Step Passed
Step 3 - Validate RTSP OPTIONS response
Step Passed

Step 4 - Send RTSP DESCRIBE

RTSP Describe context = v=0, o=- 94112091 1 IN IP4 10.5.151.52, s=Session streamed by stream, i=1, t=0 0, a=tool:LIVE555 Streaming Media v2009.01.26, a=type:broadcast, a=control:*, a=range:npt=0-, a=x-qt-text-nam:Session streamed by stream, a=x-qt-text-inf:1, m=video 0 RTP/AVP 26, c=IN IP4 0.0.0.0, b=AS:2362, a=framerate:25.0, a=control:track1

RTSP Describe options = DATE - Wed, Sep 08 2010 11

RTSP Describe options = CONTENT-TYPE - application/sdp

RTSP Describe options = CONTENT-BASE - rtsp

RTSP Describe options = CONTENT-LENGTH - 323

Step Passed

Step 5 - Validate RTSP DESCRIBE response

Step Passed

Step 6 - Send RTSP SETUP

RTSP Setup Session ID = 2

RTSP Setup Timeout = 30

RTSP Setup Transport = DESTINATION - 10.5.151.11

RTSP Setup Transport = RTP/AVP

RTSP Setup Transport = CLIENT_PORT - 40000-40001

RTSP Setup Transport = UNICAST

RTSP Setup Transport = SOURCE - 10.5.151.52

RTSP Setup Transport = SERVER_PORT - 6970-6971

Step Passed

Step 7 - Validate RTSP SETUP response

Step Passed

Step 8 - Send RTSP PLAY

RTSP Video stream playing

Step Passed

Step 9 - Validate RTSP PLAY response

Step Passed

Step 10 - Live Video, receive RTP packets

Step Passed

Step 11 - Send RTSP TEARDOWN

RTSP Video is now toredown

Step Passed

Step 12 - Validate RTSP TEARDOWN response

Step Passed

Test complete

Test PASSED

8.4.2 - NVT MEDIA STREAMING – RTP/UDP UNICAST TRANSPORT

Test Results

Step 1 - Setup NVT Media Stream URI - RTP/UDP Unicast transport

Send "Get Profiles Request"

Video Encoder Configuration found

Using profile "MediaProfile1" token = "CHANNEL1"

Send "Set Video Encoder Configuration Request"

Send "Get Stream Uri Request"

Stream URI = rtsp://10.5.151.52/channel1

Opening the video window

Step Passed

Step 2 - Send RTSP DESCRIBE

RTSP Describe context = v=0, o=- 94112091 1 IN IP4 10.5.151.52, s=Session streamed by stream, i=1, t=0 0, a=tool:LIVE555 Streaming Media v2009.01.26, a=type:broadcast, a=control:*, a=range:npt=0-, a=x-qt-text-nam:Session streamed by stream, a=x-qt-text-inf:1, m=video 0
RTP/AVP 26, c=IN IP4 0.0.0.0, b=AS:2362, a=framerate:25.0, a=control:track1

RTSP Describe options = DATE - Wed, Sep 08 2010 11

RTSP Describe options = CONTENT-TYPE - application/sdp

RTSP Describe options = CONTENT-BASE - rtsp

RTSP Describe options = CONTENT-LENGTH - 323

Step Passed

Step 3 - Validate RTSP DESCRIBE response

Step Passed

Step 4 - Send RTSP SETUP

RTSP Setup Session ID = 3

RTSP Setup Timeout = 30

RTSP Setup Transport = DESTINATION - 10.5.151.11

RTSP Setup Transport = RTP/AVP

RTSP Setup Transport = CLIENT_PORT - 40000-40001

RTSP Setup Transport = UNICAST

RTSP Setup Transport = SOURCE - 10.5.151.52

RTSP Setup Transport = SERVER_PORT - 6970-6971

Step Passed

Step 5 - Validate RTSP SETUP response

Step Passed

Step 6 - Send RTSP PLAY
RTSP Video stream playing
Step Passed
Step 7 - Validate RTSP PLAY response
Step Passed
Step 8 - Live Video, receive RTP packets
Step Passed
Step 9 - Send RTSP TEARDOWN
RTSP Video is now toredown
Step Passed
Step 10 - Validate RTSP TEARDOWN response
Step Passed
Test complete
Test PASSED

8.4.3 - NVT MEDIA STREAMING – RTP/RTSP/HTTP TRANSPORT

Test Results

Step 1 - Setup NVT Media Stream URI - RTP/RTSP/HTTP transport
Send "Get Profiles Request"
Send "Set Video Encoder Configuration Request"
Send "Get Stream Uri Request"
Stream URI = http://10.5.151.52:80/stream/bidirect/channel1
Opening the video window
Step Passed
Step 2 - Send HTTP Get request
HTTP Packet received - HTTP/1.0 200 OK
Server: mini_httpd
Connection: close
Cache-Control: no-store
Pragma: no-cache
Content-Type: application/x-rtsp-tunnelled
Step Passed
Step 3 - Validate HTTP Get response
Step Passed
Step 4 - Send HTTP POST request
HTTP Packet sent - POST /stream/bidirect/channel1 HTTP/1.0

User-Agent: OnvifStreamerControl
x-sessioncookie: rIDp70Uuu0O2RnblbJAjwA==
Content-Type: application/x-rtsp-tunnelled
Pragma: no-cache
Cache-Control: no-cache
Content-Length: 32767
Expires: Wed, 08 Sep 2010 03:54:17 GMT
Step Passed

Step 5 - Send RTSP DESCRIBE

RTSP Describe context = v=0, o=- 42915681 1 IN IP4 10.5.151.52, s=Session streamed by stream, i=1, t=0 0, a=tool:LIVE555 Streaming Media v2009.01.26, a=type:broadcast, a=control:*, a=range:npt=0-, a=x-qt-text-nam:Session streamed by stream, a=x-qt-text-inf:1, m=video 0 RTP/AVP 26, c=IN IP4 0.0.0.0, b=AS:2362, a=framerate:25.0, a=control:track1

RTSP Describe options = DATE - Thu, Jan 01 2009 00
RTSP Describe options = CONTENT-TYPE - application/sdp
RTSP Describe options = CONTENT-BASE - rtsp
RTSP Describe options = CONTENT-LENGTH - 323
Step Passed

Step 6 - Validate RTSP DESCRIBE response

Step Passed

Step 7 - Send RTSP SETUP

RTSP Setup Session ID = 2
RTSP Setup Timeout = 30
RTSP Setup Transport = DESTINATION - 10.5.151.11
RTSP Setup Transport = INTERLEAVED - 0-1
RTSP Setup Transport = UNICAST
RTSP Setup Transport = SOURCE - 10.5.151.52
RTSP Setup Transport = RTP/AVP/TCP
Step Passed

Step 8 - Validate RTSP SETUP response

Step Passed

Step 9 - Send RTSP PLAY

RTSP Video stream playing
Step Passed

Step 10 - Validate RTSP PLAY response

Step Passed

Step 11 - Live Video, receive HTTP packets

Step Passed

Step 12 - Send RTSP TEARDOWN

Step Passed

Test complete

Test PASSED

8.4.4 - NVT MEDIA STREAMING – RTSP KEEPALIVE

Test Results

Step 1 - Setup NVT Media Stream URI - RTP/UDP Unicast transport

Send "Get Profiles Request"

Video Encoder Configuration found

Using profile "MediaProfile1" token = "CHANNEL1"

Send "Set Video Encoder Configuration Request"

Send "Get Stream Uri Request"

Stream URI = rtsp://10.5.151.52/channel1

Opening the video window

Step Passed

Step 2 - Send RTSP DESCRIBE

RTSP Describe context = v=0, o=- 94112091 1 IN IP4 10.5.151.52, s=Session streamed by stream, i=1, t=0 0, a=tool:LIVE555 Streaming Media v2009.01.26, a=type:broadcast, a=control:*, a=range:npt=0-, a=x-qt-text-nam:Session streamed by stream, a=x-qt-text-inf:1, m=video 0 RTP/AVP 26, c=IN IP4 0.0.0.0, b=AS:2362, a=framerate:25.0, a=control:track1

RTSP Describe options = DATE - Wed, Sep 08 2010 11

RTSP Describe options = CONTENT-TYPE - application/sdp

RTSP Describe options = CONTENT-BASE - rtsp

RTSP Describe options = CONTENT-LENGTH - 323

Step Passed

Step 3 - Validate RTSP DESCRIBE response

Step Passed

Step 4 - Send RTSP SETUP

RTSP Setup Session ID = 4

RTSP Setup Timeout = 30

RTSP Setup Transport = DESTINATION - 10.5.151.11

RTSP Setup Transport = RTP/AVP

RTSP Setup Transport = CLIENT_PORT - 40000-40001

RTSP Setup Transport = UNICAST

RTSP Setup Transport = SOURCE - 10.5.151.52

RTSP Setup Transport = SERVER_PORT - 6970-6971
Step Passed
Step 5 - Validate RTSP SETUP response
Step Passed
Step 6 - Send RTSP PLAY
RTSP Video stream playing
Step Passed
Step 7 - Validate RTSP PLAY response
Step Passed
Step 8 - Send RTSP SET_PARAMETER "Timeout"
RTSP Video Set Parameter responded correctly
Step Passed
Step 9 - Validate RTSP SET_PARAMETER response
Step Passed
Step 10 - Live Video, receive RTP packets
Step Passed
Step 11 - Send RTSP TEARDOWN
RTSP Video is now toredown
Step Passed
Step 12 - Validate RTSP TEARDOWN response
Step Passed
Test complete
Test PASSED