|  |  |
| --- | --- |
| **TP Id** | TP\_CoAP\_MessageFormat\_Header\_001 |
| **Test Objective** | The IUT ignores a correct CoAP ReSeT message, including correct version number, type, token length , code and message id. |
| **Reference** | RFC7252#section-3  https://tools.ietf.org/html/rfc7252#section-3 |
| **PICS Selection** | PIC\_Server |
| **Initial Conditions** | |
|  | |
| **Expected Behaviour** | |
| ensure that {  when {  the IUT receives a message containing  version indicating value 1, /\* 01 in binary \*/  msg\_type indicating value 3, /\* ReSeT \*/  token\_length indicating value 0,  code indicating value 0.00, /\* EMPTY \*/  token indicating value 0;  }  then {  the client times\_out  }  } | |
| **Final Conditions** | |
|  | |

|  |  |
| --- | --- |
| **TP Id** | TP\_CoAP\_MessageFormat\_Header\_002 |
| **Test Objective** | The IUT ignores on an incorrect CoAP message header. The version number, a 2-bit unsigned integer, is set to the reserved value 3. |
| **Reference** | RFC7252#section-3  https://tools.ietf.org/html/rfc7252#section-3 |
| **PICS Selection** | PIC\_Server |
| **Initial Conditions** | |
|  | |
| **Expected Behaviour** | |
| ensure that {  when {  the IUT receives a message containing  version indicating value 3,  msg\_type indicating value 0, /\* CONfirmable \*/  token\_length indicating value 0,  code indicating value 0.00, /\* EMPTY \*/  token indicating value 0;  }  then {  the client times\_out  }  } | |
| **Final Conditions** | |
|  | |

|  |  |
| --- | --- |
| **TP Id** | TP\_CoAP\_MessageFormat\_Header\_003 |
| **Test Objective** | The IUT ignores on an incorrect CoAP message header. The token length, a 4-bit unsigned integer, is set to 9 and must processed as message format error. |
| **Reference** | RFC7252#section-3  https://tools.ietf.org/html/rfc7252#section-3 |
| **PICS Selection** | PIC\_Server |
| **Initial Conditions** | |
|  | |
| **Expected Behaviour** | |
| ensure that {  when {  the IUT receives a message containing  version indicating value 1,  msg\_type indicating value 0, /\* CONfirmable \*/  token\_length indicating value 9, /\* reserved \*/  code indicating value 0.00, /\* EMPTY \*/  token indicating value 0;  }  then {  the IUT sends no message and  the client times\_out  }  } | |
| **Final Conditions** | |
|  | |

|  |  |
| --- | --- |
| **TP Id** | TP\_CoAP\_Server\_001 |
| **Test Objective** | The IUT is responding on a PING message. |
| **Reference** | RFC7252#section4.2  https://tools.ietf.org/html/rfc7252#section-4.2 |
| **PICS Selection** | PIC\_Server |
| **Initial Conditions** | |
|  | |
| **Expected Behaviour** | |
| ensure that {  when {  the IUT receives a message containing  msg\_type indicating value 0, /\* CONfirmable \*/  code indicating value 0.00;  }  then {  the IUT sends the message containing  msg\_type indicating value 3;  }  } | |
| **Final Conditions** | |
|  | |

|  |  |
| --- | --- |
| **TP Id** | TP\_CoAP\_Server\_GET\_001 |
| **Test Objective** | The IUT is responding with code 2.05 on a GET request. |
| **Reference** | RFC7252#section-5.8.1  https://tools.ietf.org/html/rfc7252#section-5.8.1 |
| **PICS Selection** | PIC\_Server |
| **Initial Conditions** | |
| with {  the IUT must provide a resource named Simple\_Resource  } | |
| **Expected Behaviour** | |
| ensure that {  when {  the IUT receives a message containing  msg\_type indicating value 0, /\* CONfirmable \*/  code indicating value 0.01,  uri\_path indicating value "Simple\_Resource";  }  then {  the IUT sends the message containing  msg\_type indicating value 2, /\* ACknowledgement \*/  code indicating value 2.05;  }  } | |
| **Final Conditions** | |
|  | |

|  |  |
| --- | --- |
| **TP Id** | TP\_CoAP\_Server\_GET\_002 |
| **Test Objective** | The IUT is responding with code 2.05 on a GET request. |
| **Reference** | RFC7252#section-5.8.1  https://tools.ietf.org/html/rfc7252#section-5.8.1 |
| **PICS Selection** | PIC\_Server |
| **Initial Conditions** | |
| with {  the IUT must provide a resource named Simple\_Resource/New\_Resource  } | |
| **Expected Behaviour** | |
| ensure that {  when {  the IUT receives a message containing  msg\_type indicating value 0, /\* CONfirmable \*/  code indicating value 0.01,  uri\_path indicating value "Simple\_Resource",  uri\_path indicating value "New\_Resource";  }  then {  the IUT sends the message containing  msg\_type indicating value 2, /\* ACknowledgement \*/  code indicating value 2.05;  }  } | |
| **Final Conditions** | |
|  | |

|  |  |
| --- | --- |
| **TP Id** | TP\_CoAP\_Server\_GET\_003 |
| **Test Objective** | The IUT is responding with code 4.05 on a GET request. |
| **Reference** | RFC7252#section-5.8.1  https://tools.ietf.org/html/rfc7252#section-5.8.1 |
| **PICS Selection** | PIC\_Server |
| **Initial Conditions** | |
| with {  the IUT must provide a resource named Simple\_Resource and must not implement the GET operation  } | |
| **Expected Behaviour** | |
| ensure that {  when {  the IUT receives a message containing  msg\_type indicating value 0, /\* CONfirmable \*/  code indicating value 0.01,  uri\_path indicating value "Simple\_Resource";  }  then {  the IUT sends the message containing  msg\_type indicating value 2, /\* ACknowledgement \*/  code indicating value 4.05;  }  } | |
| **Final Conditions** | |
|  | |

|  |  |
| --- | --- |
| **TP Id** | TP\_CoAP\_Server\_GET\_004 |
| **Test Objective** | The IUT is responding with code 4.04 on a GET request. |
| **Reference** | RFC7252#section-5.8.1  https://tools.ietf.org/html/rfc7252#section-5.8.1 |
| **PICS Selection** | PIC\_Server |
| **Initial Conditions** | |
| with {  the IUT must not provide a resource named Simple\_Resource  } | |
| **Expected Behaviour** | |
| ensure that {  when {  the IUT receives a message containing  msg\_type indicating value 0, /\* CONfirmable \*/  code indicating value 0.01,  uri\_path indicating value "Simple\_Resource";  }  then {  the IUT sends the message containing  msg\_type indicating value 2, /\* ACknowledgement \*/  code indicating value 4.04;  }  } | |
| **Final Conditions** | |
|  | |

|  |  |
| --- | --- |
| **TP Id** | TP\_CoAP\_Server\_POST\_001 |
| **Test Objective** | The IUT is responding with code 2.01 on a POST request. |
| **Reference** | RFC7252#section-5.8.2  https://tools.ietf.org/html/rfc7252#section-5.8.2 |
| **PICS Selection** | PIC\_Server |
| **Initial Conditions** | |
| with {  the IUT must provide a resource named Storage\_Resource  } | |
| **Expected Behaviour** | |
| ensure that {  when {  the IUT receives a message containing  msg\_type indicating value 0, /\* CONfirmable \*/  code indicating value 0.02,  uri\_path indicating value "Storage\_Resource",  payload indicating value 116 145 167 061 057 116 145 167 062;  }  then {  the IUT sends the message containing  msg\_type indicating value 2, /\* ACknowledgement \*/  code indicating value 2.01,  LocationPath indicating value "New1",  LocationPath indicating value "New2";  }  } | |
| **Final Conditions** | |
|  | |

|  |  |
| --- | --- |
| **TP Id** | TP\_CoAP\_Server\_POST\_002 |
| **Test Objective** | The IUT is responding with code 2.04 on a POST request. |
| **Reference** | RFC7252#section-5.8.2  https://tools.ietf.org/html/rfc7252#section-5.8.2 |
| **PICS Selection** | PIC\_Server |
| **Initial Conditions** | |
| with {  the IUT must provide a resource named Storage\_Resource/New1/New2  } | |
| **Expected Behaviour** | |
| ensure that {  when {  the IUT receives a message containing  msg\_type indicating value 0, /\* CONfirmable \*/  code indicating value 0.02,  uri\_path indicating value "Storage\_Resource",  uri\_path indicating value "New1",  uri\_path indicating value "New2",  payload indicating value 116 145 167 061 057 116 145 167 062;  }  then {  the IUT sends the message containing  msg\_type indicating value 2, /\* ACknowledgement \*/  code indicating value 2.04,  LocationPath indicating value "New1",  LocationPath indicating value "New2";  }  } | |
| **Final Conditions** | |
|  | |

|  |  |
| --- | --- |
| **TP Id** | TP\_CoAP\_Server\_POST\_003 |
| **Test Objective** | The IUT is responding with code 2.04 on a POST request. |
| **Reference** | RFC7252#section-5.8.2  https://tools.ietf.org/html/rfc7252#section-5.8.2 |
| **PICS Selection** | PIC\_Server |
| **Initial Conditions** | |
| with {  the IUT must provide a resource named Storage\_Resource/New1/New2  } | |
| **Expected Behaviour** | |
| ensure that {  when {  the IUT receives a message containing  msg\_type indicating value 0, /\* CONfirmable \*/  code indicating value 0.02,  uri\_path indicating value "Storage\_Resource",  uri\_path indicating value "New1",  uri\_path indicating value "New1a",  payload indicating value 116 145 167 061 057 116 145 167 062;  }  then {  the IUT sends the message containing  msg\_type indicating value 2, /\* ACknowledgement \*/  code indicating value 2.04,  LocationPath indicating value "New1",  LocationPath indicating value "New1a";  }  } | |
| **Final Conditions** | |
|  | |

|  |  |
| --- | --- |
| **TP Id** | TP\_CoAP\_Server\_POST\_004 |
| **Test Objective** | The IUT is responding with code 4.05 on a POST request. |
| **Reference** | RFC7252#section-5.8.2  https://tools.ietf.org/html/rfc7252#section-5.8.2 |
| **PICS Selection** | PIC\_Server |
| **Initial Conditions** | |
| with {  the IUT must provide a resource named Simple\_Resource and must not implement the POST operation  } | |
| **Expected Behaviour** | |
| ensure that {  when {  the IUT receives a message containing  msg\_type indicating value 0, /\* CONfirmable \*/  code indicating value 0.02,  uri\_path indicating value "Simple\_Resource";  }  then {  the IUT sends the message containing  msg\_type indicating value 2, /\* ACknowledgement \*/  code indicating value 4.05;  }  } | |
| **Final Conditions** | |
|  | |

|  |  |
| --- | --- |
| **TP Id** | TP\_CoAP\_Server\_PUT\_001 |
| **Test Objective** | The IUT is responding with code 2.01 on a PUT request. |
| **Reference** | RFC7252#section-5.8.3  https://tools.ietf.org/html/rfc7252#section-5.8.3 |
| **PICS Selection** | PIC\_Server |
| **Initial Conditions** | |
| with {  the IUT must provide a resource named Storage\_Resource  } | |
| **Expected Behaviour** | |
| ensure that {  when {  the IUT receives a message containing  msg\_type indicating value 0, /\* CONfirmable \*/  code indicating value 0.03,  uri\_path indicating value "Storage\_Resource",  payload indicating value 116 145 167 061 057 116 145 167 062;  }  then {  the IUT sends the message containing  msg\_type indicating value 2, /\* ACknowledgement \*/  code indicating value 2.01,  LocationPath indicating value "New1";  }  } | |
| **Final Conditions** | |
|  | |

|  |  |
| --- | --- |
| **TP Id** | TP\_CoAP\_Server\_PUT\_002 |
| **Test Objective** | The IUT is responding with code 2.04 on a PUT request. |
| **Reference** | RFC7252#section-5.8.3  https://tools.ietf.org/html/rfc7252#section-5.8.3 |
| **PICS Selection** | PIC\_Server |
| **Initial Conditions** | |
| with {  the IUT must provide a resource named Storage\_Resource/New1  } | |
| **Expected Behaviour** | |
| ensure that {  when {  the IUT receives a message containing  msg\_type indicating value 0, /\* CONfirmable \*/  code indicating value 0.03,  uri\_path indicating value "Storage\_Resource",  uri\_path indicating value "New1";  }  then {  the IUT sends the message containing  msg\_type indicating value 2, /\* ACknowledgement \*/  code indicating value 2.04,  LocationPath indicating value "New1";  }  } | |
| **Final Conditions** | |
|  | |

|  |  |
| --- | --- |
| **TP Id** | TP\_CoAP\_Server\_DELETE\_001 |
| **Test Objective** | The IUT is responding with code 2.02 on a DELETE request. |
| **Reference** | RFC7252#section-5.8.4  https://tools.ietf.org/html/rfc7252#section-5.8.4 |
| **PICS Selection** | PIC\_Server |
| **Initial Conditions** | |
| with {  the IUT must provide a resource named Storage\_Resource  } | |
| **Expected Behaviour** | |
| ensure that {  when {  the IUT receives a message containing  msg\_type indicating value 0, /\* CONfirmable \*/  code indicating value 0.04,  uri\_path indicating value "Storage\_Resource";  }  then {  the IUT sends the message containing  msg\_type indicating value 2, /\* ACknowledgement \*/  code indicating value 2.02;  }  } | |
| **Final Conditions** | |
|  | |

|  |  |
| --- | --- |
| **TP Id** | TP\_CoAP\_Server\_DELETE\_002 |
| **Test Objective** | The IUT is responding with code 2.02 on a DELETE request. |
| **Reference** | RFC7252#section-5.8.4  https://tools.ietf.org/html/rfc7252#section-5.8.4 |
| **PICS Selection** | PIC\_Server |
| **Initial Conditions** | |
| with {  the IUT must not provide a resource named Storage\_Resource  } | |
| **Expected Behaviour** | |
| ensure that {  when {  the IUT receives a message containing  msg\_type indicating value 0, /\* CONfirmable \*/  code indicating value 0.04,  uri\_path indicating value "Storage\_Resource";  }  then {  the IUT sends the message containing  msg\_type indicating value 2, /\* ACknowledgement \*/  code indicating value 2.02;  }  } | |
| **Final Conditions** | |
|  | |

|  |  |
| --- | --- |
| **TP Id** | TP\_CoAP\_Server\_NON\_001 |
| **Test Objective** | The IUT is responding with code 2.05 on a NON-confirmable GET request. |
| **Reference** | RFC7252#section-5.2.3  https://tools.ietf.org/html/rfc7252#section-5.2.3 |
| **PICS Selection** | PIC\_Server |
| **Initial Conditions** | |
| with {  the IUT must provide a resource named Simple\_Resource  } | |
| **Expected Behaviour** | |
| ensure that {  when {  the IUT receives a message containing  msg\_type indicating value 1, /\* NON-confirmable \*/  code indicating value 0.01,  uri\_path indicating value "Simple\_Resource";  }  then {  the IUT sends the message containing  msg\_type indicating value 1, /\* NON-confirmable \*/  code indicating value 2.05;  }  } | |
| **Final Conditions** | |
|  | |

|  |  |
| --- | --- |
| **TP Id** | TP\_CoAP\_Server\_NON\_002 |
| **Test Objective** | The IUT is responding with code 2.01 on a NON-confirmable POST request. |
| **Reference** | RFC7252#section-5.2.3  https://tools.ietf.org/html/rfc7252#section-5.2.3 |
| **PICS Selection** | PIC\_Server |
| **Initial Conditions** | |
| with {  the IUT must provide a resource named Storage\_Resource  } | |
| **Expected Behaviour** | |
| ensure that {  when {  the IUT receives a message containing  msg\_type indicating value 1, /\* NON-confirmable \*/  code indicating value 0.02,  uri\_path indicating value "Storage\_Resource",  payload indicating value 116 145 167 061 057 116 145 167 062;  }  then {  the IUT sends the message containing  msg\_type indicating value 1, /\* NON-confirmable \*/  code indicating value 2.01,  LocationPath indicating value "New1",  LocationPath indicating value "New2";  }  } | |
| **Final Conditions** | |
|  | |

|  |  |
| --- | --- |
| **TP Id** | TP\_CoAP\_Server\_NON\_003 |
| **Test Objective** | The IUT is responding with code 2.01 on a NON-confirmable PUT request. |
| **Reference** | RFC7252#section-5.2.3  https://tools.ietf.org/html/rfc7252#section-5.2.3 |
| **PICS Selection** | PIC\_Server |
| **Initial Conditions** | |
| with {  the IUT must provide a resource named Storage\_Resource  } | |
| **Expected Behaviour** | |
| ensure that {  when {  the IUT receives a message containing  msg\_type indicating value 1, /\* NON-confirmable \*/  code indicating value 0.03,  uri\_path indicating value "Storage\_Resource",  payload indicating value 116 145 167 061 057 116 145 167 062;  }  then {  the IUT sends the message containing  msg\_type indicating value 1, /\* NON-confirmable \*/  code indicating value 2.01,  LocationPath indicating value "New1";  }  } | |
| **Final Conditions** | |
|  | |

|  |  |
| --- | --- |
| **TP Id** | TP\_CoAP\_Server\_NON\_004 |
| **Test Objective** | The IUT is responding with code 2.02 on a DELETE request. |
| **Reference** | RFC7252#section-5.2.3  https://tools.ietf.org/html/rfc7252#section-5.2.3 |
| **PICS Selection** | PIC\_Server |
| **Initial Conditions** | |
| with {  the IUT must provide a resource named Storage\_Resource  } | |
| **Expected Behaviour** | |
| ensure that {  when {  the IUT receives a message containing  msg\_type indicating value 1, /\* NON-confirmable \*/  code indicating value 0.04,  uri\_path indicating value "Storage\_Resource";  }  then {  the IUT sends the message containing  msg\_type indicating value 1, /\* NON-confirmable \*/  code indicating value 2.02;  }  } | |
| **Final Conditions** | |
|  | |

|  |  |
| --- | --- |
| **TP Id** | TP\_CoAP\_Server\_Separate\_Response\_GET\_001 |
| **Test Objective** | The IUT is responding with code 2.05 on a GET request. |
| **Reference** | RFC7252#section-5.8.4  https://tools.ietf.org/html/rfc7252#section-5.8.4 |
| **PICS Selection** | PIC\_Server |
| **Initial Conditions** | |
| with {  the IUT must provide a resource named separate  } | |
| **Expected Behaviour** | |
| ensure that {  when {  the IUT receives a message containing  msg\_type indicating value 0, /\* CONfirmable \*/  code indicating value 0.01,  uri\_path indicating value "separate";  }  then {  the IUT first sends an empty message and  the IUT sends the second message containing  msg\_type indicating value 0.00, /\* Confirmable \*/  code indicating value 2.01;  and  the client sends an empty message containing  msg\_type indicating value 2.00, /\* Acknowledgement \*/  code indicating value 0.00;  }  } | |
| **Final Conditions** | |
|  | |

|  |  |
| --- | --- |
| **TP Id** | TP\_CoAP\_Server\_Separate\_Response\_POST\_001 |
| **Test Objective** | The IUT is responding with Confirmable and code 2.01 on a POST request. |
| **Reference** | RFC7252#section-5.8.2  https://tools.ietf.org/html/rfc7252#section-5.8.4 |
| **PICS Selection** | PIC\_Server |
| **Initial Conditions** | |
| with {  the IUT must provide a resource named separate  } | |
| **Expected Behaviour** | |
| ensure that {  when {  the IUT receives a message containing  msg\_type indicating value 0, /\* CONfirmable \*/  code indicating value 0.02,  uri\_path indicating value "separate",  payload indicating value 116 145 167 061 057 116 145 167 062;  }  then {  the IUT first sends an empty message and  the IUT sends the second message containing  msg\_type indicating value 0.00, /\* Confirmable \*/  code indicating value 2.01;  and  the client sends an empty message containing  msg\_type indicating value 2.00, /\* Acknowledgement \*/  code indicating value 0.00;  }  } | |
| **Final Conditions** | |
|  | |

|  |  |
| --- | --- |
| **TP Id** | TP\_CoAP\_Server\_Separate\_Response\_POST\_002 |
| **Test Objective** | The IUT is responding with code 2.04 on a GET request. |
| **Reference** | RFC7252#section-5.8.4  https://tools.ietf.org/html/rfc7252#section-5.8.4 |
| **PICS Selection** | PIC\_Server |
| **Initial Conditions** | |
| with {  the IUT must provide a resource named separate/new1/new2  } | |
| **Expected Behaviour** | |
| ensure that {  when {  the IUT receives a message containing  msg\_type indicating value 0, /\* CONfirmable \*/  code indicating value 0.02,  uri\_path indicating value "separate",  uri\_path indicating value "new1",  uri\_path indicating value "new2",  payload indicating value 116 145 167 061 057 116 145 167 062;  }  then {  the IUT first sends an empty message and  the IUT sends the second message containing  msg\_type indicating value 0.00, /\* Confirmable \*/  code indicating value 2.04,  Location\_Path indicating value "new1",  Location\_Path indicating value "new2"; /\*Try to add two new resources named New1 and New2 which already exist.\*/  and  the client sends an empty message containing  msg\_type indicating value 2.00, /\* Acknowledgement \*/  code indicating value 0.00;  }  } | |
| **Final Conditions** | |
|  | |

|  |  |
| --- | --- |
| **TP Id** | TP\_CoAP\_Server\_Separate\_Response\_POST\_003 |
| **Test Objective** | The IUT is responding with code 2.04 on a GET request. |
| **Reference** | RFC7252#section-5.8.4  https://tools.ietf.org/html/rfc7252#section-5.8.4 |
| **PICS Selection** | PIC\_Server |
| **Initial Conditions** | |
| with {  the IUT must provide a resource named separate/new1/new2  } | |
| **Expected Behaviour** | |
| ensure that {  when {  the IUT receives a message containing  msg\_type indicating value 0, /\* CONfirmable \*/  code indicating value 0.02,  uri\_path indicating value "separate",  uri\_path indicating value "new1",  uri\_path indicating value "new1a",  payload indicating value 116 145 167 061 057 116 145 167 062;  }  then {  the IUT first sends an empty message and  the IUT sends the second message containing  msg\_type indicating value 0.00, /\* Confirmable \*/  code indicating value 2.04,  Location\_Path indicating value "new1",  Location\_Path indicating value "new1a"; /\*Change resource separate/New1/New2 to separate/New1/New1a.\*/  and  the client sends an empty message containing  msg\_type indicating value 2.00, /\* Acknowledgement \*/  code indicating value 0.00;  }  } | |
| **Final Conditions** | |
|  | |

|  |  |
| --- | --- |
| **TP Id** | TP\_CoAP\_Server\_Separate\_Response\_POST\_004 |
| **Test Objective** | The IUT is responding with code 4.05 on a GET request. |
| **Reference** | RFC7252#section-5.8.4  https://tools.ietf.org/html/rfc7252#section-5.8.4 |
| **PICS Selection** | PIC\_Server |
| **Initial Conditions** | |
| with {  the IUT must provide a resource named separate and must not implement the POST operation  } | |
| **Expected Behaviour** | |
| ensure that {  when {  the IUT receives a message containing  msg\_type indicating value 0, /\* CONfirmable \*/  code indicating value 0.02,  uri\_path indicating value "separate";  }  then {  the IUT first sends an empty message and  the IUT sends the second message containing  msg\_type indicating value 0.00, /\* Confirmable \*/  code indicating value 4.05;  and  the client sends an empty message containing  msg\_type indicating value 2.00, /\* Acknowledgement \*/  code indicating value 0.00;  }  } | |
| **Final Conditions** | |
|  | |

|  |  |
| --- | --- |
| **TP Id** | TP\_CoAP\_Server\_Separate\_Response\_PUT\_001 |
| **Test Objective** | The IUT is responding with code 2.01 on a PUT request. |
| **Reference** | RFC7252#section-5.8.3  https://tools.ietf.org/html/rfc7252#section-5.8.3 |
| **PICS Selection** | PIC\_Server |
| **Initial Conditions** | |
| with {  the IUT must provide a resource named separate  } | |
| **Expected Behaviour** | |
| ensure that {  when {  the IUT receives a message containing  msg\_type indicating value 0, /\* CONfirmable \*/  code indicating value 0.03,  uri\_path indicating value "separate",  payload indicating value 116 145 167 061 057;  }  then {  the IUT first sends an empty message and  the IUT sends the second message containing  msg\_type indicating value 0.00, /\* Confirmable \*/  code indicating value 2.01,  Location\_Path indicating value "New1";  and  the client sends an empty message containing  msg\_type indicating value 2.00, /\* Acknowledgement \*/  code indicating value 0.00;  }  } | |
| **Final Conditions** | |
|  | |

|  |  |
| --- | --- |
| **TP Id** | TP\_CoAP\_Server\_Separate\_Response\_PUT\_002 |
| **Test Objective** | The IUT is responding with code 2.04 on a PUT request. |
| **Reference** | RFC7252#section-5.8.3  https://tools.ietf.org/html/rfc7252#section-5.8.3 |
| **PICS Selection** | PIC\_Server |
| **Initial Conditions** | |
| with {  the IUT must provide a resource named separate/new1  } | |
| **Expected Behaviour** | |
| ensure that {  when {  the IUT receives a message containing  msg\_type indicating value 0, /\* CONfirmable \*/  code indicating value 0.03,  uri\_path indicating value "separate",  uri\_path indicating value "new1";  }  then {  the IUT first sends an empty message and  the IUT sends the second message containing  msg\_type indicating value 0.00, /\* Confirmable \*/  code indicating value 2.04; /\*Try to add resource New1 although it already exists \*/  and  the client sends an empty message containing  msg\_type indicating value 2.00, /\* Acknowledgement \*/  code indicating value 0.00;  }  } | |
| **Final Conditions** | |
|  | |

|  |  |
| --- | --- |
| **TP Id** | TP\_CoAP\_Server\_Separate\_Response\_DELETE\_001 |
| **Test Objective** | The IUT is responding with code 2.02 on a DELETE request. |
| **Reference** | RFC7252#section-5.8.4  https://tools.ietf.org/html/rfc7252#section-5.8.4 |
| **PICS Selection** | PIC\_Server |
| **Initial Conditions** | |
| with {  the IUT must provide a resource named separate  } | |
| **Expected Behaviour** | |
| ensure that {  when {  the IUT receives a message containing  msg\_type indicating value 0, /\* CONfirmable \*/  code indicating value 0.04,  uri\_path indicating value "separate";  }  then {  the IUT first sends an empty message and  the IUT sends the second message containing  msg\_type indicating value 0.00, /\* Confirmable \*/  code indicating value 2.02,  Location\_Path indicating value "new1"; /\*Delete resource Separate \*/  and  the client sends an empty message containing  msg\_type indicating value 2.00, /\* Acknowledgement \*/  code indicating value 0.00;  }  } | |
| **Final Conditions** | |
|  | |

|  |  |
| --- | --- |
| **TP Id** | TP\_CoAP\_Server\_Separate\_Response\_DELETE\_002 |
| **Test Objective** | The IUT is responding with code 2.02 on a DELETE request. |
| **Reference** | RFC7252#section-5.8.4  https://tools.ietf.org/html/rfc7252#section-5.8.4 |
| **PICS Selection** | PIC\_Server |
| **Initial Conditions** | |
| with {  the IUT must not provide a resource named separate  } | |
| **Expected Behaviour** | |
| ensure that {  when {  the IUT receives a message containing  msg\_type indicating value 0, /\* CONfirmable \*/  code indicating value 0.04,  uri\_path indicating value "separate";  }  then {  the IUT first sends an empty message and  the IUT sends the second message containing  msg\_type indicating value 0.00, /\* Confirmable \*/  code indicating value 2.02,  Location\_Path indicating value "new1"; /\*Get Response code 2.02 although the requested resource does not exist\*/  and  the client sends an empty message containing  msg\_type indicating value 2.00, /\* Acknowledgement \*/  code indicating value 0.00;  }  } | |
| **Final Conditions** | |
|  | |