```
No.     Time               Source                Destination           Protocol Length Info
   6393 23:52:27.130679    192.168.1.12          192.168.1.9           HTTP     294    GET /
spConn?action=getInfo HTTP/1.1
Frame 6393: 294 bytes on wire (2352 bits), 294 bytes captured (2352 bits) on interface 0
Ethernet II, Src: Apple_eb:2a:38 (2c:be:08:eb:2a:38), Dst: Azurewav_02:2a:dd (40:99:22:02:2a:dd)
Internet Protocol Version 4, Src: 192.168.1.12, Dst: 192.168.1.9
Transmission Control Protocol, Src Port: 50088, Dst Port: 41800, Seq: 1, Ack: 1, Len: 228
Hypertext Transfer Protocol
    GET /spConn?action=getInfo HTTP/1.1\r\n
        [Expert Info (Chat/Sequence): GET /spConn?action=getInfo HTTP/1.1\r\n]
        Request Method: GET
        Request URI: /spConn?action=getInfo
        Request Version: HTTP/1.1
    Host: 192.168.1.9:41800\r\n
    User-Agent: Spotify/106000492 OSX/0 (MacBookPro9,2)\r\n
    Keep-Alive: 0\r\n
    Connection: keep-alive\r\n
    Accept-Encoding: gzip\r\n
    Content-Type: application/x-www-form-urlencoded\r\n
    \r\n
    [Full request URI: http://192.168.1.9:41800/spConn?action=getInfo]
    [HTTP request 1/1]
    [Response in frame: 6394]
No.     Time               Source                Destination           Protocol Length Info
   6394 23:52:27.137086    192.168.1.9           192.168.1.12          HTTP     448    HTTP/1.1
200 OK  (application/json)
Frame 6394: 448 bytes on wire (3584 bits), 448 bytes captured (3584 bits) on interface 0
Ethernet II, Src: Azurewav_02:2a:dd (40:99:22:02:2a:dd), Dst: Apple_eb:2a:38 (2c:be:08:eb:2a:38)
Internet Protocol Version 4, Src: 192.168.1.9, Dst: 192.168.1.12
Transmission Control Protocol, Src Port: 41800, Dst Port: 50088, Seq: 1, Ack: 229, Len: 382
Hypertext Transfer Protocol
    HTTP/1.1 200 OK\r\n
        [Expert Info (Chat/Sequence): HTTP/1.1 200 OK\r\n]
        Response Version: HTTP/1.1
        Status Code: 200
        [Status Code Description: OK]
        Response Phrase: OK
    Content-Type: application/json\r\n
    Content-Length: 310\r\n
    \r\n
    [HTTP response 1/1]
    [Time since request: 0.006407000 seconds]
    [Request in frame: 6393]
    File Data: 310 bytes
JavaScript Object Notation: application/json
No.     Time               Source                Destination           Protocol Length Info
   6408 23:52:27.190244    192.168.1.12          192.168.1.2           HTTP     232    GET /
nservice/ HTTP/1.1
Frame 6408: 232 bytes on wire (1856 bits), 232 bytes captured (1856 bits) on interface 0
Ethernet II, Src: Apple_eb:2a:38 (2c:be:08:eb:2a:38), Dst: SamsungE_50:73:1a (40:16:3b:50:73:1a)
Internet Protocol Version 4, Src: 192.168.1.12, Dst: 192.168.1.2
Transmission Control Protocol, Src Port: 50089, Dst Port: 7678, Seq: 1, Ack: 1, Len: 166
Hypertext Transfer Protocol
    GET /nservice/ HTTP/1.1\r\n
        [Expert Info (Chat/Sequence): GET /nservice/ HTTP/1.1\r\n]
        Request Method: GET
        Request URI: /nservice/
        Request Version: HTTP/1.1
    Host: 192.168.1.2:7678\r\n
    User-Agent: Spotify/106000492 OSX/0 (MacBookPro9,2)\r\n
    Keep-Alive: 0\r\n
    Connection: keep-alive\r\n
```

```
    Accept-Encoding: gzip\r\n
    \r\n
    [Full request URI: http://192.168.1.2:7678/nservice/]
    [HTTP request 1/1]
    [Response in frame: 6413]
No.     Time               Source                Destination           Protocol Length Info
   6413 23:52:27.200732    192.168.1.2           192.168.1.12          HTTP/XML 310    HTTP/1.1
200 OK
Frame 6413: 310 bytes on wire (2480 bits), 310 bytes captured (2480 bits) on interface 0
Ethernet II, Src: SamsungE_50:73:1a (40:16:3b:50:73:1a), Dst: Apple_eb:2a:38 (2c:be:08:eb:2a:38)
Internet Protocol Version 4, Src: 192.168.1.2, Dst: 192.168.1.12
Transmission Control Protocol, Src Port: 7678, Dst Port: 50089, Seq: 1449, Ack: 167, Len: 244
[2 Reassembled TCP Segments (1692 bytes): #6412(1448), #6413(244)]
Hypertext Transfer Protocol
    HTTP/1.1 200 OK\r\n
        [Expert Info (Chat/Sequence): HTTP/1.1 200 OK\r\n]
        Response Version: HTTP/1.1
        Status Code: 200
        [Status Code Description: OK]
        Response Phrase: OK
    Content-Type: text/xml; charset="utf-8"\r\n
    Content-Length: 1435\r\n
    Connection: close\r\n
    User-Agent: DLNADOC/1.50 SEC_HHP_[TV] Samsung 6 Series (55)\r\n
    Server: SHP, UPnP/1.0, Samsung UPnP SDK/1.0\r\n
    Application-URL: http://192.168.1.2:8080/ws/app/\r\n
    \r\n
    [HTTP response 1/1]
    [Time since request: 0.010488000 seconds]
    [Request in frame: 6408]
    File Data: 1435 bytes
eXtensible Markup Language
No.     Time               Source                Destination           Protocol Length Info
  22477 23:54:27.132771    192.168.1.12          192.168.1.9           HTTP     294    GET /
spConn?action=getInfo HTTP/1.1
Frame 22477: 294 bytes on wire (2352 bits), 294 bytes captured (2352 bits) on interface 0
Ethernet II, Src: Apple_eb:2a:38 (2c:be:08:eb:2a:38), Dst: Azurewav_02:2a:dd (40:99:22:02:2a:dd)
Internet Protocol Version 4, Src: 192.168.1.12, Dst: 192.168.1.9
Transmission Control Protocol, Src Port: 50095, Dst Port: 41800, Seq: 1, Ack: 1, Len: 228
Hypertext Transfer Protocol
    GET /spConn?action=getInfo HTTP/1.1\r\n
        [Expert Info (Chat/Sequence): GET /spConn?action=getInfo HTTP/1.1\r\n]
        Request Method: GET
        Request URI: /spConn?action=getInfo
        Request Version: HTTP/1.1
    Host: 192.168.1.9:41800\r\n
    User-Agent: Spotify/106000492 OSX/0 (MacBookPro9,2)\r\n
    Keep-Alive: 0\r\n
    Connection: keep-alive\r\n
    Accept-Encoding: gzip\r\n
    Content-Type: application/x-www-form-urlencoded\r\n
    \r\n
    [Full request URI: http://192.168.1.9:41800/spConn?action=getInfo]
    [HTTP request 1/1]
    [Response in frame: 22478]
No.     Time               Source                Destination           Protocol Length Info
  22478 23:54:27.142427    192.168.1.9           192.168.1.12          HTTP     448    HTTP/1.1
200 OK  (application/json)
Frame 22478: 448 bytes on wire (3584 bits), 448 bytes captured (3584 bits) on interface 0
Ethernet II, Src: Azurewav_02:2a:dd (40:99:22:02:2a:dd), Dst: Apple_eb:2a:38 (2c:be:08:eb:2a:38)
Internet Protocol Version 4, Src: 192.168.1.9, Dst: 192.168.1.12
Transmission Control Protocol, Src Port: 41800, Dst Port: 50095, Seq: 1, Ack: 229, Len: 382
```

```
Hypertext Transfer Protocol
    HTTP/1.1 200 OK\r\n
        [Expert Info (Chat/Sequence): HTTP/1.1 200 OK\r\n]
        Response Version: HTTP/1.1
        Status Code: 200
        [Status Code Description: OK]
        Response Phrase: OK
    Content-Type: application/json\r\n
    Content-Length: 310\r\n
    \r\n
    [HTTP response 1/1]
    [Time since request: 0.009656000 seconds]
    [Request in frame: 22477]
    File Data: 310 bytes
JavaScript Object Notation: application/json
No.     Time               Source                Destination           Protocol Length Info
  22495 23:54:27.215651    192.168.1.12          192.168.1.2           HTTP     232    GET /
nservice/ HTTP/1.1
Frame 22495: 232 bytes on wire (1856 bits), 232 bytes captured (1856 bits) on interface 0
Ethernet II, Src: Apple_eb:2a:38 (2c:be:08:eb:2a:38), Dst: SamsungE_50:73:1a (40:16:3b:50:73:1a)
Internet Protocol Version 4, Src: 192.168.1.12, Dst: 192.168.1.2
Transmission Control Protocol, Src Port: 50096, Dst Port: 7678, Seq: 1, Ack: 1, Len: 166
Hypertext Transfer Protocol
    GET /nservice/ HTTP/1.1\r\n
        [Expert Info (Chat/Sequence): GET /nservice/ HTTP/1.1\r\n]
        Request Method: GET
        Request URI: /nservice/
        Request Version: HTTP/1.1
    Host: 192.168.1.2:7678\r\n
    User-Agent: Spotify/106000492 OSX/0 (MacBookPro9,2)\r\n
    Keep-Alive: 0\r\n
    Connection: keep-alive\r\n
    Accept-Encoding: gzip\r\n
    \r\n
    [Full request URI: http://192.168.1.2:7678/nservice/]
    [HTTP request 1/1]
    [Response in frame: 22503]
No.     Time               Source                Destination           Protocol Length Info
  22503 23:54:27.241205    192.168.1.2           192.168.1.12          HTTP/XML 310    HTTP/1.1
200 OK
Frame 22503: 310 bytes on wire (2480 bits), 310 bytes captured (2480 bits) on interface 0
Ethernet II, Src: SamsungE_50:73:1a (40:16:3b:50:73:1a), Dst: Apple_eb:2a:38 (2c:be:08:eb:2a:38)
Internet Protocol Version 4, Src: 192.168.1.2, Dst: 192.168.1.12
Transmission Control Protocol, Src Port: 7678, Dst Port: 50096, Seq: 1449, Ack: 167, Len: 244
[2 Reassembled TCP Segments (1692 bytes): #22502(1448), #22503(244)]
Hypertext Transfer Protocol
    HTTP/1.1 200 OK\r\n
        [Expert Info (Chat/Sequence): HTTP/1.1 200 OK\r\n]
        Response Version: HTTP/1.1
        Status Code: 200
        [Status Code Description: OK]
        Response Phrase: OK
    Content-Type: text/xml; charset="utf-8"\r\n
    Content-Length: 1435\r\n
    Connection: close\r\n
    User-Agent: DLNADOC/1.50 SEC_HHP_[TV] Samsung 6 Series (55)\r\n
    Server: SHP, UPnP/1.0, Samsung UPnP SDK/1.0\r\n
    Application-URL: http://192.168.1.2:8080/ws/app/\r\n
    \r\n
    [HTTP response 1/1]
    [Time since request: 0.025554000 seconds]
    [Request in frame: 22495]
```

```
    File Data: 1435 bytes
eXtensible Markup Language
No.     Time               Source                Destination           Protocol Length Info
  34426 23:56:27.145283    192.168.1.12          192.168.1.9           HTTP     294    GET /
spConn?action=getInfo HTTP/1.1
Frame 34426: 294 bytes on wire (2352 bits), 294 bytes captured (2352 bits) on interface 0
Ethernet II, Src: Apple_eb:2a:38 (2c:be:08:eb:2a:38), Dst: Azurewav_02:2a:dd (40:99:22:02:2a:dd)
Internet Protocol Version 4, Src: 192.168.1.12, Dst: 192.168.1.9
Transmission Control Protocol, Src Port: 50105, Dst Port: 41800, Seq: 1, Ack: 1, Len: 228
Hypertext Transfer Protocol
    GET /spConn?action=getInfo HTTP/1.1\r\n
        [Expert Info (Chat/Sequence): GET /spConn?action=getInfo HTTP/1.1\r\n]
        Request Method: GET
        Request URI: /spConn?action=getInfo
        Request Version: HTTP/1.1
    Host: 192.168.1.9:41800\r\n
    User-Agent: Spotify/106000492 OSX/0 (MacBookPro9,2)\r\n
    Keep-Alive: 0\r\n
    Connection: keep-alive\r\n
    Accept-Encoding: gzip\r\n
    Content-Type: application/x-www-form-urlencoded\r\n
    \r\n
    [Full request URI: http://192.168.1.9:41800/spConn?action=getInfo]
    [HTTP request 1/1]
    [Response in frame: 34427]
No.     Time               Source                Destination           Protocol Length Info
  34427 23:56:27.159998    192.168.1.9           192.168.1.12          HTTP     448    HTTP/1.1
200 OK  (application/json)
Frame 34427: 448 bytes on wire (3584 bits), 448 bytes captured (3584 bits) on interface 0
Ethernet II, Src: Azurewav_02:2a:dd (40:99:22:02:2a:dd), Dst: Apple_eb:2a:38 (2c:be:08:eb:2a:38)
Internet Protocol Version 4, Src: 192.168.1.9, Dst: 192.168.1.12
Transmission Control Protocol, Src Port: 41800, Dst Port: 50105, Seq: 1, Ack: 229, Len: 382
Hypertext Transfer Protocol
    HTTP/1.1 200 OK\r\n
        [Expert Info (Chat/Sequence): HTTP/1.1 200 OK\r\n]
        Response Version: HTTP/1.1
        Status Code: 200
        [Status Code Description: OK]
        Response Phrase: OK
    Content-Type: application/json\r\n
    Content-Length: 310\r\n
    \r\n
    [HTTP response 1/1]
    [Time since request: 0.014715000 seconds]
    [Request in frame: 34426]
    File Data: 310 bytes
JavaScript Object Notation: application/json
No.     Time               Source                Destination           Protocol Length Info
  34438 23:56:27.236643    192.168.1.12          192.168.1.2           HTTP     232    GET /
nservice/ HTTP/1.1
Frame 34438: 232 bytes on wire (1856 bits), 232 bytes captured (1856 bits) on interface 0
Ethernet II, Src: Apple_eb:2a:38 (2c:be:08:eb:2a:38), Dst: SamsungE_50:73:1a (40:16:3b:50:73:1a)
Internet Protocol Version 4, Src: 192.168.1.12, Dst: 192.168.1.2
Transmission Control Protocol, Src Port: 50106, Dst Port: 7678, Seq: 1, Ack: 1, Len: 166
Hypertext Transfer Protocol
    GET /nservice/ HTTP/1.1\r\n
        [Expert Info (Chat/Sequence): GET /nservice/ HTTP/1.1\r\n]
        Request Method: GET
        Request URI: /nservice/
        Request Version: HTTP/1.1
    Host: 192.168.1.2:7678\r\n
    User-Agent: Spotify/106000492 OSX/0 (MacBookPro9,2)\r\n
```

```
    Keep-Alive: 0\r\n
    Connection: keep-alive\r\n
    Accept-Encoding: gzip\r\n
    \r\n
    [Full request URI: http://192.168.1.2:7678/nservice/]
    [HTTP request 1/1]
    [Response in frame: 34441]
No.     Time               Source                Destination           Protocol Length Info
  34441 23:56:27.248385    192.168.1.2           192.168.1.12          HTTP/XML 310    HTTP/1.1
200 OK
Frame 34441: 310 bytes on wire (2480 bits), 310 bytes captured (2480 bits) on interface 0
Ethernet II, Src: SamsungE_50:73:1a (40:16:3b:50:73:1a), Dst: Apple_eb:2a:38 (2c:be:08:eb:2a:38)
Internet Protocol Version 4, Src: 192.168.1.2, Dst: 192.168.1.12
Transmission Control Protocol, Src Port: 7678, Dst Port: 50106, Seq: 1449, Ack: 167, Len: 244
[2 Reassembled TCP Segments (1692 bytes): #34440(1448), #34441(244)]
Hypertext Transfer Protocol
    HTTP/1.1 200 OK\r\n
        [Expert Info (Chat/Sequence): HTTP/1.1 200 OK\r\n]
        Response Version: HTTP/1.1
        Status Code: 200
        [Status Code Description: OK]
        Response Phrase: OK
    Content-Type: text/xml; charset="utf-8"\r\n
    Content-Length: 1435\r\n
    Connection: close\r\n
    User-Agent: DLNADOC/1.50 SEC_HHP_[TV] Samsung 6 Series (55)\r\n
    Server: SHP, UPnP/1.0, Samsung UPnP SDK/1.0\r\n
    Application-URL: http://192.168.1.2:8080/ws/app/\r\n
    \r\n
    [HTTP response 1/1]
    [Time since request: 0.011742000 seconds]
    [Request in frame: 34438]
    File Data: 1435 bytes
eXtensible Markup Language
No.     Time               Source                Destination           Protocol Length Info
  35289 23:57:25.825225    192.168.1.12          128.119.245.12        HTTP     501    GET /
wireshark-%20labs/HTTP-wireshark-file1.html HTTP/1.1
Frame 35289: 501 bytes on wire (4008 bits), 501 bytes captured (4008 bits) on interface 0
Ethernet II, Src: Apple_eb:2a:38 (2c:be:08:eb:2a:38), Dst: Actionte_b6:78:44 (70:f1:96:b6:78:44)
Internet Protocol Version 4, Src: 192.168.1.12, Dst: 128.119.245.12
Transmission Control Protocol, Src Port: 50120, Dst Port: 80, Seq: 1, Ack: 1, Len: 435
Hypertext Transfer Protocol
    GET /wireshark-%20labs/HTTP-wireshark-file1.html HTTP/1.1\r\n
        [Expert Info (Chat/Sequence): GET /wireshark-%20labs/HTTP-wireshark-file1.html HTTP/1.1\r
\n]
        Request Method: GET
        Request URI: /wireshark-%20labs/HTTP-wireshark-file1.html
        Request Version: HTTP/1.1
    Host: gaia.cs.umass.edu\r\n
    Connection: keep-alive\r\n
    Upgrade-Insecure-Requests: 1\r\n
    User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10_13_6) AppleWebKit/537.36 (KHTML, like
Gecko) Chrome/68.0.3440.106 Safari/537.36\r\n
    Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,image/apng,*/
*;q=0.8\r\n
    Accept-Encoding: gzip, deflate\r\n
    Accept-Language: en-US,en;q=0.9\r\n
    \r\n
    [Full request URI: http://gaia.cs.umass.edu/wireshark-%20labs/HTTP-wireshark-file1.html]
    [HTTP request 1/2]
    [Response in frame: 35312]
    [Next request in frame: 35342]
```

```
No.     Time               Source                Destination           Protocol Length Info
  35312 23:57:26.213406    128.119.245.12        192.168.1.12          HTTP     581    HTTP/1.1
404 Not Found  (text/html)
Frame 35312: 581 bytes on wire (4648 bits), 581 bytes captured (4648 bits) on interface 0
Ethernet II, Src: Actionte_b6:78:44 (70:f1:96:b6:78:44), Dst: Apple_eb:2a:38 (2c:be:08:eb:2a:38)
Internet Protocol Version 4, Src: 128.119.245.12, Dst: 192.168.1.12
Transmission Control Protocol, Src Port: 80, Dst Port: 50120, Seq: 1, Ack: 436, Len: 515
Hypertext Transfer Protocol
    HTTP/1.1 404 Not Found\r\n
        [Expert Info (Chat/Sequence): HTTP/1.1 404 Not Found\r\n]
        Response Version: HTTP/1.1
        Status Code: 404
        [Status Code Description: Not Found]
        Response Phrase: Not Found
    Date: Fri, 14 Sep 2018 03:57:25 GMT\r\n
    Server: Apache/2.4.6 (CentOS) OpenSSL/1.0.2k-fips PHP/5.4.16 mod_perl/2.0.10 Perl/v5.16.3\r\n
    Content-Length: 239\r\n
    Keep-Alive: timeout=5, max=100\r\n
    Connection: Keep-Alive\r\n
    Content-Type: text/html; charset=iso-8859-1\r\n
    \r\n
    [HTTP response 1/2]
    [Time since request: 0.388181000 seconds]
    [Request in frame: 35289]
    [Next request in frame: 35342]
    [Next response in frame: 35351]
    File Data: 239 bytes
Line-based text data: text/html (7 lines)
No.     Time               Source                Destination           Protocol Length Info
  35342 23:57:30.722084    192.168.1.12          128.119.245.12        HTTP     472    GET /
favicon.ico HTTP/1.1
Frame 35342: 472 bytes on wire (3776 bits), 472 bytes captured (3776 bits) on interface 0
Ethernet II, Src: Apple_eb:2a:38 (2c:be:08:eb:2a:38), Dst: Actionte_b6:78:44 (70:f1:96:b6:78:44)
Internet Protocol Version 4, Src: 192.168.1.12, Dst: 128.119.245.12
Transmission Control Protocol, Src Port: 50120, Dst Port: 80, Seq: 436, Ack: 516, Len: 406
Hypertext Transfer Protocol
    GET /favicon.ico HTTP/1.1\r\n
        [Expert Info (Chat/Sequence): GET /favicon.ico HTTP/1.1\r\n]
        Request Method: GET
        Request URI: /favicon.ico
        Request Version: HTTP/1.1
    Host: gaia.cs.umass.edu\r\n
    Connection: keep-alive\r\n
    User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10_13_6) AppleWebKit/537.36 (KHTML, like
Gecko) Chrome/68.0.3440.106 Safari/537.36\r\n
    Accept: image/webp,image/apng,image/*,*/*;q=0.8\r\n
    Referer: http://gaia.cs.umass.edu/wireshark-%20labs/HTTP-wireshark-file1.html\r\n
    Accept-Encoding: gzip, deflate\r\n
    Accept-Language: en-US,en;q=0.9\r\n
    \r\n
    [Full request URI: http://gaia.cs.umass.edu/favicon.ico]
    [HTTP request 2/2]
    [Prev request in frame: 35289]
    [Response in frame: 35351]
No.     Time               Source                Destination           Protocol Length Info
  35351 23:57:31.251648    128.119.245.12        192.168.1.12          HTTP     550    HTTP/1.1
404 Not Found  (text/html)
Frame 35351: 550 bytes on wire (4400 bits), 550 bytes captured (4400 bits) on interface 0
Ethernet II, Src: Actionte_b6:78:44 (70:f1:96:b6:78:44), Dst: Apple_eb:2a:38 (2c:be:08:eb:2a:38)
Internet Protocol Version 4, Src: 128.119.245.12, Dst: 192.168.1.12
Transmission Control Protocol, Src Port: 80, Dst Port: 50120, Seq: 516, Ack: 842, Len: 484
Hypertext Transfer Protocol
```

```
    HTTP/1.1 404 Not Found\r\n
        [Expert Info (Chat/Sequence): HTTP/1.1 404 Not Found\r\n]
        Response Version: HTTP/1.1
        Status Code: 404
        [Status Code Description: Not Found]
        Response Phrase: Not Found
    Date: Fri, 14 Sep 2018 03:57:30 GMT\r\n
    Server: Apache/2.4.6 (CentOS) OpenSSL/1.0.2k-fips PHP/5.4.16 mod_perl/2.0.10 Perl/v5.16.3\r\n
    Content-Length: 209\r\n
    Keep-Alive: timeout=5, max=99\r\n
    Connection: Keep-Alive\r\n
    Content-Type: text/html; charset=iso-8859-1\r\n
    \r\n
    [HTTP response 2/2]
    [Time since request: 0.529564000 seconds]
    [Prev request in frame: 35289]
    [Prev response in frame: 35312]
    [Request in frame: 35342]
    File Data: 209 bytes
Line-based text data: text/html (7 lines)
No.     Time               Source                Destination           Protocol Length Info
  35600 23:57:53.445071    192.168.1.12          128.119.245.12        HTTP     527    GET /
wireshark-%20labs/HTTP-wireshark-file1.html HTTP/1.1
Frame 35600: 527 bytes on wire (4216 bits), 527 bytes captured (4216 bits) on interface 0
Ethernet II, Src: Apple_eb:2a:38 (2c:be:08:eb:2a:38), Dst: Actionte_b6:78:44 (70:f1:96:b6:78:44)
Internet Protocol Version 4, Src: 192.168.1.12, Dst: 128.119.245.12
Transmission Control Protocol, Src Port: 50126, Dst Port: 80, Seq: 1, Ack: 1, Len: 461
Hypertext Transfer Protocol
    GET /wireshark-%20labs/HTTP-wireshark-file1.html HTTP/1.1\r\n
        [Expert Info (Chat/Sequence): GET /wireshark-%20labs/HTTP-wireshark-file1.html HTTP/1.1\r
\n]
        Request Method: GET
        Request URI: /wireshark-%20labs/HTTP-wireshark-file1.html
        Request Version: HTTP/1.1
    Host: gaia.cs.umass.edu\r\n
    Connection: keep-alive\r\n
    Cache-Control: max-age=0\r\n
    Upgrade-Insecure-Requests: 1\r\n
    User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10_13_6) AppleWebKit/537.36 (KHTML, like
Gecko) Chrome/68.0.3440.106 Safari/537.36\r\n
    Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,image/apng,*/
*;q=0.8\r\n
    Accept-Encoding: gzip, deflate\r\n
    Accept-Language: en-US,en;q=0.9\r\n
    \r\n
    [Full request URI: http://gaia.cs.umass.edu/wireshark-%20labs/HTTP-wireshark-file1.html]
    [HTTP request 1/1]
    [Response in frame: 35611]
No.     Time               Source                Destination           Protocol Length Info
  35611 23:57:54.077155    128.119.245.12        192.168.1.12          HTTP     581    HTTP/1.1
404 Not Found  (text/html)
Frame 35611: 581 bytes on wire (4648 bits), 581 bytes captured (4648 bits) on interface 0
Ethernet II, Src: Actionte_b6:78:44 (70:f1:96:b6:78:44), Dst: Apple_eb:2a:38 (2c:be:08:eb:2a:38)
Internet Protocol Version 4, Src: 128.119.245.12, Dst: 192.168.1.12
Transmission Control Protocol, Src Port: 80, Dst Port: 50126, Seq: 1, Ack: 462, Len: 515
Hypertext Transfer Protocol
    HTTP/1.1 404 Not Found\r\n
        [Expert Info (Chat/Sequence): HTTP/1.1 404 Not Found\r\n]
        Response Version: HTTP/1.1
        Status Code: 404
        [Status Code Description: Not Found]
        Response Phrase: Not Found
```

```
    Date: Fri, 14 Sep 2018 03:57:53 GMT\r\n
    Server: Apache/2.4.6 (CentOS) OpenSSL/1.0.2k-fips PHP/5.4.16 mod_perl/2.0.10 Perl/v5.16.3\r\n
    Content-Length: 239\r\n
    Keep-Alive: timeout=5, max=100\r\n
    Connection: Keep-Alive\r\n
    Content-Type: text/html; charset=iso-8859-1\r\n
    \r\n
    [HTTP response 1/1]
    [Time since request: 0.632084000 seconds]
    [Request in frame: 35600]
    File Data: 239 bytes
Line-based text data: text/html (7 lines)
No.     Time               Source                Destination           Protocol Length Info
  36122 23:58:15.992605    192.168.1.12          128.119.245.12        HTTP     468    GET /
wireshark-%20labs/HTTP-wireshark-file1.html HTTP/1.1
Frame 36122: 468 bytes on wire (3744 bits), 468 bytes captured (3744 bits) on interface 0
Ethernet II, Src: Apple_eb:2a:38 (2c:be:08:eb:2a:38), Dst: Actionte_b6:78:44 (70:f1:96:b6:78:44)
Internet Protocol Version 4, Src: 192.168.1.12, Dst: 128.119.245.12
Transmission Control Protocol, Src Port: 50134, Dst Port: 80, Seq: 1, Ack: 1, Len: 402
Hypertext Transfer Protocol
    GET /wireshark-%20labs/HTTP-wireshark-file1.html HTTP/1.1\r\n
        [Expert Info (Chat/Sequence): GET /wireshark-%20labs/HTTP-wireshark-file1.html HTTP/1.1\r
\n]
        Request Method: GET
        Request URI: /wireshark-%20labs/HTTP-wireshark-file1.html
        Request Version: HTTP/1.1
    Host: gaia.cs.umass.edu\r\n
    Upgrade-Insecure-Requests: 1\r\n
    Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8\r\n
    User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10_13_6) AppleWebKit/605.1.15 (KHTML, like
Gecko) Version/11.1.2 Safari/605.1.15\r\n
    Accept-Language: en-us\r\n
    Accept-Encoding: gzip, deflate\r\n
    Connection: keep-alive\r\n
    \r\n
    [Full request URI: http://gaia.cs.umass.edu/wireshark-%20labs/HTTP-wireshark-file1.html]
    [HTTP request 1/1]
    [Response in frame: 36148]
No.     Time               Source                Destination           Protocol Length Info
  36148 23:58:16.588287    128.119.245.12        192.168.1.12          HTTP     581    HTTP/1.1
404 Not Found  (text/html)
Frame 36148: 581 bytes on wire (4648 bits), 581 bytes captured (4648 bits) on interface 0
Ethernet II, Src: Actionte_b6:78:44 (70:f1:96:b6:78:44), Dst: Apple_eb:2a:38 (2c:be:08:eb:2a:38)
Internet Protocol Version 4, Src: 128.119.245.12, Dst: 192.168.1.12
Transmission Control Protocol, Src Port: 80, Dst Port: 50134, Seq: 1, Ack: 403, Len: 515
Hypertext Transfer Protocol
    HTTP/1.1 404 Not Found\r\n
        [Expert Info (Chat/Sequence): HTTP/1.1 404 Not Found\r\n]
        Response Version: HTTP/1.1
        Status Code: 404
        [Status Code Description: Not Found]
        Response Phrase: Not Found
    Date: Fri, 14 Sep 2018 03:58:16 GMT\r\n
    Server: Apache/2.4.6 (CentOS) OpenSSL/1.0.2k-fips PHP/5.4.16 mod_perl/2.0.10 Perl/v5.16.3\r\n
    Content-Length: 239\r\n
    Keep-Alive: timeout=5, max=100\r\n
    Connection: Keep-Alive\r\n
    Content-Type: text/html; charset=iso-8859-1\r\n
    \r\n
    [HTTP response 1/1]
    [Time since request: 0.595682000 seconds]
    [Request in frame: 36122]
```

```
    File Data: 239 bytes
Line-based text data: text/html (7 lines)
No.     Time               Source                Destination           Protocol Length Info
  36250 23:58:27.146850    192.168.1.12          192.168.1.9           HTTP     294    GET /
spConn?action=getInfo HTTP/1.1
Frame 36250: 294 bytes on wire (2352 bits), 294 bytes captured (2352 bits) on interface 0
Ethernet II, Src: Apple_eb:2a:38 (2c:be:08:eb:2a:38), Dst: Azurewav_02:2a:dd (40:99:22:02:2a:dd)
Internet Protocol Version 4, Src: 192.168.1.12, Dst: 192.168.1.9
Transmission Control Protocol, Src Port: 50136, Dst Port: 41800, Seq: 1, Ack: 1, Len: 228
Hypertext Transfer Protocol
    GET /spConn?action=getInfo HTTP/1.1\r\n
        [Expert Info (Chat/Sequence): GET /spConn?action=getInfo HTTP/1.1\r\n]
        Request Method: GET
        Request URI: /spConn?action=getInfo
        Request Version: HTTP/1.1
    Host: 192.168.1.9:41800\r\n
    User-Agent: Spotify/106000492 OSX/0 (MacBookPro9,2)\r\n
    Keep-Alive: 0\r\n
    Connection: keep-alive\r\n
    Accept-Encoding: gzip\r\n
    Content-Type: application/x-www-form-urlencoded\r\n
    \r\n
    [Full request URI: http://192.168.1.9:41800/spConn?action=getInfo]
    [HTTP request 1/1]
    [Response in frame: 36251]
No.     Time               Source                Destination           Protocol Length Info
  36251 23:58:27.157140    192.168.1.9           192.168.1.12          HTTP     448    HTTP/1.1
200 OK  (application/json)
Frame 36251: 448 bytes on wire (3584 bits), 448 bytes captured (3584 bits) on interface 0
Ethernet II, Src: Azurewav_02:2a:dd (40:99:22:02:2a:dd), Dst: Apple_eb:2a:38 (2c:be:08:eb:2a:38)
Internet Protocol Version 4, Src: 192.168.1.9, Dst: 192.168.1.12
Transmission Control Protocol, Src Port: 41800, Dst Port: 50136, Seq: 1, Ack: 229, Len: 382
Hypertext Transfer Protocol
    HTTP/1.1 200 OK\r\n
        [Expert Info (Chat/Sequence): HTTP/1.1 200 OK\r\n]
        Response Version: HTTP/1.1
        Status Code: 200
        [Status Code Description: OK]
        Response Phrase: OK
    Content-Type: application/json\r\n
    Content-Length: 310\r\n
    \r\n
    [HTTP response 1/1]
    [Time since request: 0.010290000 seconds]
    [Request in frame: 36250]
    File Data: 310 bytes
JavaScript Object Notation: application/json
No.     Time               Source                Destination           Protocol Length Info
  36261 23:58:27.244915    192.168.1.12          192.168.1.2           HTTP     232    GET /
nservice/ HTTP/1.1
Frame 36261: 232 bytes on wire (1856 bits), 232 bytes captured (1856 bits) on interface 0
Ethernet II, Src: Apple_eb:2a:38 (2c:be:08:eb:2a:38), Dst: SamsungE_50:73:1a (40:16:3b:50:73:1a)
Internet Protocol Version 4, Src: 192.168.1.12, Dst: 192.168.1.2
Transmission Control Protocol, Src Port: 50137, Dst Port: 7678, Seq: 1, Ack: 1, Len: 166
Hypertext Transfer Protocol
    GET /nservice/ HTTP/1.1\r\n
        [Expert Info (Chat/Sequence): GET /nservice/ HTTP/1.1\r\n]
        Request Method: GET
        Request URI: /nservice/
        Request Version: HTTP/1.1
    Host: 192.168.1.2:7678\r\n
    User-Agent: Spotify/106000492 OSX/0 (MacBookPro9,2)\r\n
```

```
    Keep-Alive: 0\r\n
    Connection: keep-alive\r\n
    Accept-Encoding: gzip\r\n
    \r\n
    [Full request URI: http://192.168.1.2:7678/nservice/]
    [HTTP request 1/1]
    [Response in frame: 36264]
No.     Time               Source                Destination           Protocol Length Info
  36264 23:58:27.250537    192.168.1.2           192.168.1.12          HTTP/XML 310    HTTP/1.1
200 OK
Frame 36264: 310 bytes on wire (2480 bits), 310 bytes captured (2480 bits) on interface 0
Ethernet II, Src: SamsungE_50:73:1a (40:16:3b:50:73:1a), Dst: Apple_eb:2a:38 (2c:be:08:eb:2a:38)
Internet Protocol Version 4, Src: 192.168.1.2, Dst: 192.168.1.12
Transmission Control Protocol, Src Port: 7678, Dst Port: 50137, Seq: 1449, Ack: 167, Len: 244
[2 Reassembled TCP Segments (1692 bytes): #36263(1448), #36264(244)]
Hypertext Transfer Protocol
    HTTP/1.1 200 OK\r\n
        [Expert Info (Chat/Sequence): HTTP/1.1 200 OK\r\n]
        Response Version: HTTP/1.1
        Status Code: 200
        [Status Code Description: OK]
        Response Phrase: OK
    Content-Type: text/xml; charset="utf-8"\r\n
    Content-Length: 1435\r\n
    Connection: close\r\n
    User-Agent: DLNADOC/1.50 SEC_HHP_[TV] Samsung 6 Series (55)\r\n
    Server: SHP, UPnP/1.0, Samsung UPnP SDK/1.0\r\n
    Application-URL: http://192.168.1.2:8080/ws/app/\r\n
    \r\n
    [HTTP response 1/1]
    [Time since request: 0.005622000 seconds]
    [Request in frame: 36261]
    File Data: 1435 bytes
eXtensible Markup Language
No.     Time               Source                Destination           Protocol Length Info
  36968 23:59:21.681895    192.168.1.12          128.119.245.12        HTTP     468    GET /
wireshark-%20labs/HTTP-wireshark-file1.html HTTP/1.1
Frame 36968: 468 bytes on wire (3744 bits), 468 bytes captured (3744 bits) on interface 0
Ethernet II, Src: Apple_eb:2a:38 (2c:be:08:eb:2a:38), Dst: Actionte_b6:78:44 (70:f1:96:b6:78:44)
Internet Protocol Version 4, Src: 192.168.1.12, Dst: 128.119.245.12
Transmission Control Protocol, Src Port: 50148, Dst Port: 80, Seq: 1, Ack: 1, Len: 402
Hypertext Transfer Protocol
    GET /wireshark-%20labs/HTTP-wireshark-file1.html HTTP/1.1\r\n
        [Expert Info (Chat/Sequence): GET /wireshark-%20labs/HTTP-wireshark-file1.html HTTP/1.1\r
\n]
        Request Method: GET
        Request URI: /wireshark-%20labs/HTTP-wireshark-file1.html
        Request Version: HTTP/1.1
    Host: gaia.cs.umass.edu\r\n
    Upgrade-Insecure-Requests: 1\r\n
    Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8\r\n
    User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10_13_6) AppleWebKit/605.1.15 (KHTML, like
Gecko) Version/11.1.2 Safari/605.1.15\r\n
    Accept-Language: en-us\r\n
    Accept-Encoding: gzip, deflate\r\n
    Connection: keep-alive\r\n
    \r\n
    [Full request URI: http://gaia.cs.umass.edu/wireshark-%20labs/HTTP-wireshark-file1.html]
    [HTTP request 1/1]
    [Response in frame: 36977]
No.     Time               Source                Destination           Protocol Length Info
```

```
  36977 23:59:22.228740    128.119.245.12        192.168.1.12          HTTP     581    HTTP/1.1
404 Not Found  (text/html)
Frame 36977: 581 bytes on wire (4648 bits), 581 bytes captured (4648 bits) on interface 0
Ethernet II, Src: Actionte_b6:78:44 (70:f1:96:b6:78:44), Dst: Apple_eb:2a:38 (2c:be:08:eb:2a:38)
Internet Protocol Version 4, Src: 128.119.245.12, Dst: 192.168.1.12
Transmission Control Protocol, Src Port: 80, Dst Port: 50148, Seq: 1, Ack: 403, Len: 515
Hypertext Transfer Protocol
    HTTP/1.1 404 Not Found\r\n
        [Expert Info (Chat/Sequence): HTTP/1.1 404 Not Found\r\n]
        Response Version: HTTP/1.1
        Status Code: 404
        [Status Code Description: Not Found]
        Response Phrase: Not Found
    Date: Fri, 14 Sep 2018 03:59:21 GMT\r\n
    Server: Apache/2.4.6 (CentOS) OpenSSL/1.0.2k-fips PHP/5.4.16 mod_perl/2.0.10 Perl/v5.16.3\r\n
    Content-Length: 239\r\n
    Keep-Alive: timeout=5, max=100\r\n
    Connection: Keep-Alive\r\n
    Content-Type: text/html; charset=iso-8859-1\r\n
    \r\n
    [HTTP response 1/1]
    [Time since request: 0.546845000 seconds]
    [Request in frame: 36968]
    File Data: 239 bytes
Line-based text data: text/html (7 lines)
No.     Time               Source                Destination           Protocol Length Info
  37523 00:00:25.830716    192.168.1.12          17.253.21.201         HTTP     332    GET /
ocsp03-aai2ca02/
ME4wTKADAgEAMEUwQzBBMAkGBSsOAwIaBQAEFFbDBnEojG8brskkeeEf1Av2Cv6gBBT3vnwhYJHbPRt72DoygWnfnmx
%2FmwIIH6vXJNAbK%2Fc%3D HTTP/1.1
Frame 37523: 332 bytes on wire (2656 bits), 332 bytes captured (2656 bits) on interface 0
Ethernet II, Src: Apple_eb:2a:38 (2c:be:08:eb:2a:38), Dst: Actionte_b6:78:44 (70:f1:96:b6:78:44)
Internet Protocol Version 4, Src: 192.168.1.12, Dst: 17.253.21.201
Transmission Control Protocol, Src Port: 50153, Dst Port: 80, Seq: 1, Ack: 1, Len: 266
Hypertext Transfer Protocol
    GET /ocsp03-aai2ca02/
ME4wTKADAgEAMEUwQzBBMAkGBSsOAwIaBQAEFFbDBnEojG8brskkeeEf1Av2Cv6gBBT3vnwhYJHbPRt72DoygWnfnmx
%2FmwIIH6vXJNAbK%2Fc%3D HTTP/1.1\r\n
        [Expert Info (Chat/Sequence): GET /ocsp03-aai2ca02/
ME4wTKADAgEAMEUwQzBBMAkGBSsOAwIaBQAEFFbDBnEojG8brskkeeEf1Av2Cv6gBBT3vnwhYJHbPRt72DoygWnfnmx
%2FmwIIH6vXJNAbK%2Fc%3D HTTP/1.1\r\n]
        Request Method: GET
        Request URI: /ocsp03-aai2ca02/
ME4wTKADAgEAMEUwQzBBMAkGBSsOAwIaBQAEFFbDBnEojG8brskkeeEf1Av2Cv6gBBT3vnwhYJHbPRt72DoygWnfnmx
%2FmwIIH6vXJNAbK%2Fc%3D
        Request Version: HTTP/1.1
    Host: ocsp.apple.com\r\n
    Connection: close\r\n
    User-Agent: trustd (unknown version) CFNetwork/902.1 Darwin/17.7.0 (x86_64)\r\n
    \r\n
    [Full request URI: http://ocsp.apple.com/ocsp03-aai2ca02/
ME4wTKADAgEAMEUwQzBBMAkGBSsOAwIaBQAEFFbDBnEojG8brskkeeEf1Av2Cv6gBBT3vnwhYJHbPRt72DoygWnfnmx
%2FmwIIH6vXJNAbK%2Fc%3D]
    [HTTP request 1/1]
    [Response in frame: 37528]
No.     Time               Source                Destination           Protocol Length Info
  37528 00:00:26.254405    17.253.21.201         192.168.1.12          OCSP     1154   Response
Frame 37528: 1154 bytes on wire (9232 bits), 1154 bytes captured (9232 bits) on interface 0
Ethernet II, Src: Actionte_b6:78:44 (70:f1:96:b6:78:44), Dst: Apple_eb:2a:38 (2c:be:08:eb:2a:38)
Internet Protocol Version 4, Src: 17.253.21.201, Dst: 192.168.1.12
Transmission Control Protocol, Src Port: 80, Dst Port: 50153, Seq: 2881, Ack: 267, Len: 1088
[3 Reassembled TCP Segments (3968 bytes): #37526(1440), #37527(1440), #37528(1088)]
```

```
Hypertext Transfer Protocol
    HTTP/1.1 200 OK\r\n
        [Expert Info (Chat/Sequence): HTTP/1.1 200 OK\r\n]
        Response Version: HTTP/1.1
        Status Code: 200
        [Status Code Description: OK]
        Response Phrase: OK
    Date: Thu, 13 Sep 2018 23:09:42 GMT\r\n
    Content-Type: application/ocsp-response\r\n
    Content-Length: 3471\r\n
    Server: ATS/7.1.4\r\n
    Cache-Control: max-age=39600, public\r\n
    Age: 17443\r\n
    Via: http/1.1 usqas2-edge-lx-009.ts.apple.com (ApacheTrafficServer/7.1.4), http/1.1 usqas2-
edge-bx-003.ts.apple.com (ApacheTrafficServer/7.1.4)\r\n
    CDNUUID: ed246729-1a6d-41b4-80f1-2bb7be00d26a-1058279107\r\n
    X-Cache: hit-fresh, hit-fresh\r\n
    True-Source-IP: 2601:143:4200:f3ba:b429:9fa8:5e63:b0d6\r\n
    Connection: close\r\n
    \r\n
    [HTTP response 1/1]
    [Time since request: 0.423689000 seconds]
    [Request in frame: 37523]
    File Data: 3471 bytes
Online Certificate Status Protocol
No.     Time               Source                Destination           Protocol Length Info
  37549 00:00:27.149784    192.168.1.12          192.168.1.9           HTTP     294    GET /
spConn?action=getInfo HTTP/1.1
Frame 37549: 294 bytes on wire (2352 bits), 294 bytes captured (2352 bits) on interface 0
Ethernet II, Src: Apple_eb:2a:38 (2c:be:08:eb:2a:38), Dst: Azurewav_02:2a:dd (40:99:22:02:2a:dd)
Internet Protocol Version 4, Src: 192.168.1.12, Dst: 192.168.1.9
Transmission Control Protocol, Src Port: 50154, Dst Port: 41800, Seq: 1, Ack: 1, Len: 228
Hypertext Transfer Protocol
    GET /spConn?action=getInfo HTTP/1.1\r\n
        [Expert Info (Chat/Sequence): GET /spConn?action=getInfo HTTP/1.1\r\n]
        Request Method: GET
        Request URI: /spConn?action=getInfo
        Request Version: HTTP/1.1
    Host: 192.168.1.9:41800\r\n
    User-Agent: Spotify/106000492 OSX/0 (MacBookPro9,2)\r\n
    Keep-Alive: 0\r\n
    Connection: keep-alive\r\n
    Accept-Encoding: gzip\r\n
    Content-Type: application/x-www-form-urlencoded\r\n
    \r\n
    [Full request URI: http://192.168.1.9:41800/spConn?action=getInfo]
    [HTTP request 1/1]
    [Response in frame: 37550]
No.     Time               Source                Destination           Protocol Length Info
  37550 00:00:27.163939    192.168.1.9           192.168.1.12          HTTP     448    HTTP/1.1
200 OK  (application/json)
Frame 37550: 448 bytes on wire (3584 bits), 448 bytes captured (3584 bits) on interface 0
Ethernet II, Src: Azurewav_02:2a:dd (40:99:22:02:2a:dd), Dst: Apple_eb:2a:38 (2c:be:08:eb:2a:38)
Internet Protocol Version 4, Src: 192.168.1.9, Dst: 192.168.1.12
Transmission Control Protocol, Src Port: 41800, Dst Port: 50154, Seq: 1, Ack: 229, Len: 382
Hypertext Transfer Protocol
    HTTP/1.1 200 OK\r\n
        [Expert Info (Chat/Sequence): HTTP/1.1 200 OK\r\n]
        Response Version: HTTP/1.1
        Status Code: 200
        [Status Code Description: OK]
        Response Phrase: OK
```

```
    Content-Type: application/json\r\n
    Content-Length: 310\r\n
    \r\n
    [HTTP response 1/1]
    [Time since request: 0.014155000 seconds]
    [Request in frame: 37549]
    File Data: 310 bytes
JavaScript Object Notation: application/json
No.     Time               Source                Destination           Protocol Length Info
  37560 00:00:27.268279    192.168.1.12          192.168.1.2           HTTP     232    GET /
nservice/ HTTP/1.1
Frame 37560: 232 bytes on wire (1856 bits), 232 bytes captured (1856 bits) on interface 0
Ethernet II, Src: Apple_eb:2a:38 (2c:be:08:eb:2a:38), Dst: SamsungE_50:73:1a (40:16:3b:50:73:1a)
Internet Protocol Version 4, Src: 192.168.1.12, Dst: 192.168.1.2
Transmission Control Protocol, Src Port: 50155, Dst Port: 7678, Seq: 1, Ack: 1, Len: 166
Hypertext Transfer Protocol
    GET /nservice/ HTTP/1.1\r\n
        [Expert Info (Chat/Sequence): GET /nservice/ HTTP/1.1\r\n]
        Request Method: GET
        Request URI: /nservice/
        Request Version: HTTP/1.1
    Host: 192.168.1.2:7678\r\n
    User-Agent: Spotify/106000492 OSX/0 (MacBookPro9,2)\r\n
    Keep-Alive: 0\r\n
    Connection: keep-alive\r\n
    Accept-Encoding: gzip\r\n
    \r\n
    [Full request URI: http://192.168.1.2:7678/nservice/]
    [HTTP request 1/1]
    [Response in frame: 37563]
No.     Time               Source                Destination           Protocol Length Info
  37563 00:00:27.274626    192.168.1.2           192.168.1.12          HTTP/XML 310    HTTP/1.1
200 OK
Frame 37563: 310 bytes on wire (2480 bits), 310 bytes captured (2480 bits) on interface 0
Ethernet II, Src: SamsungE_50:73:1a (40:16:3b:50:73:1a), Dst: Apple_eb:2a:38 (2c:be:08:eb:2a:38)
Internet Protocol Version 4, Src: 192.168.1.2, Dst: 192.168.1.12
Transmission Control Protocol, Src Port: 7678, Dst Port: 50155, Seq: 1449, Ack: 167, Len: 244
[2 Reassembled TCP Segments (1692 bytes): #37562(1448), #37563(244)]
Hypertext Transfer Protocol
    HTTP/1.1 200 OK\r\n
        [Expert Info (Chat/Sequence): HTTP/1.1 200 OK\r\n]
        Response Version: HTTP/1.1
        Status Code: 200
        [Status Code Description: OK]
        Response Phrase: OK
    Content-Type: text/xml; charset="utf-8"\r\n
    Content-Length: 1435\r\n
    Connection: close\r\n
    User-Agent: DLNADOC/1.50 SEC_HHP_[TV] Samsung 6 Series (55)\r\n
    Server: SHP, UPnP/1.0, Samsung UPnP SDK/1.0\r\n
    Application-URL: http://192.168.1.2:8080/ws/app/\r\n
    \r\n
    [HTTP response 1/1]
    [Time since request: 0.006347000 seconds]
    [Request in frame: 37560]
    File Data: 1435 bytes
eXtensible Markup Language
No.     Time               Source                Destination           Protocol Length Info
  39469 00:01:20.206157    192.168.1.12          216.58.217.142        HTTP     473    GET /
edgedl/chromewebstore/L2Nocm9tZV9leHRlbnNpb24vYmxvYnMvZDI3QUFWdDJLbzhIMFNCY21HWi04QmFaZw/
6818.528.0.0_pkedcjkdefgpdelpbcmbmeomcjbeemfm.crx HTTP/1.1
Frame 39469: 473 bytes on wire (3784 bits), 473 bytes captured (3784 bits) on interface 0
```

```
Ethernet II, Src: Apple_eb:2a:38 (2c:be:08:eb:2a:38), Dst: Actionte_b6:78:44 (70:f1:96:b6:78:44)
Internet Protocol Version 4, Src: 192.168.1.12, Dst: 216.58.217.142
Transmission Control Protocol, Src Port: 50165, Dst Port: 80, Seq: 1, Ack: 1, Len: 407
Hypertext Transfer Protocol
    GET /edgedl/chromewebstore/L2Nocm9tZV9leHRlbnNpb24vYmxvYnMvZDI3QUFWdDJLbzhIMFNCY21HWi04QmFaZw/
6818.528.0.0_pkedcjkdefgpdelpbcmbmeomcjbeemfm.crx HTTP/1.1\r\n
        [Expert Info (Chat/Sequence): GET /edgedl/chromewebstore/
L2Nocm9tZV9leHRlbnNpb24vYmxvYnMvZDI3QUFWdDJLbzhIMFNCY21HWi04QmFaZw/
6818.528.0.0_pkedcjkdefgpdelpbcmbmeomcjbeemfm.crx HTTP/1.1\r\n]
        Request Method: GET
        Request URI: /edgedl/chromewebstore/
L2Nocm9tZV9leHRlbnNpb24vYmxvYnMvZDI3QUFWdDJLbzhIMFNCY21HWi04QmFaZw/
6818.528.0.0_pkedcjkdefgpdelpbcmbmeomcjbeemfm.crx
        Request Version: HTTP/1.1
    Host: redirector.gvt1.com\r\n
    Connection: keep-alive\r\n
    User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10_13_6) AppleWebKit/537.36 (KHTML, like
Gecko) Chrome/68.0.3440.106 Safari/537.36\r\n
    Accept-Encoding: gzip, deflate\r\n
    Accept-Language: en-US,en;q=0.9\r\n
    \r\n
    [Full request URI: http://redirector.gvt1.com/edgedl/chromewebstore/
L2Nocm9tZV9leHRlbnNpb24vYmxvYnMvZDI3QUFWdDJLbzhIMFNCY21HWi04QmFaZw/
6818.528.0.0_pkedcjkdefgpdelpbcmbmeomcjbeemfm.crx]
    [HTTP request 1/1]
    [Response in frame: 39544]
No.     Time               Source                Destination           Protocol Length Info
  39544 00:01:20.621513    216.58.217.142        192.168.1.12          HTTP     1176   HTTP/1.1
302 Found  (text/html)
Frame 39544: 1176 bytes on wire (9408 bits), 1176 bytes captured (9408 bits) on interface 0
Ethernet II, Src: Actionte_b6:78:44 (70:f1:96:b6:78:44), Dst: Apple_eb:2a:38 (2c:be:08:eb:2a:38)
Internet Protocol Version 4, Src: 216.58.217.142, Dst: 192.168.1.12
Transmission Control Protocol, Src Port: 80, Dst Port: 50165, Seq: 1, Ack: 408, Len: 1110
Hypertext Transfer Protocol
    HTTP/1.1 302 Found\r\n
        [Expert Info (Chat/Sequence): HTTP/1.1 302 Found\r\n]
        Response Version: HTTP/1.1
        Status Code: 302
        [Status Code Description: Found]
        Response Phrase: Found
    Date: Fri, 14 Sep 2018 04:01:20 GMT\r\n
    Pragma: no-cache\r\n
    Expires: Fri, 01 Jan 1990 00:00:00 GMT\r\n
    Cache-Control: no-cache, must-revalidate\r\n
     [truncated]Location: http://r3---sn-8xgp1vo-p5ql.gvt1.com/edgedl/chromewebstore/
L2Nocm9tZV9leHRlbnNpb24vYmxvYnMvZDI3QUFWdDJLbzhIMFNCY21HWi04QmFaZw/
6818.528.0.0_pkedcjkdefgpdelpbcmbmeomcjbeemfm.crx?cms_redirect=yes&mip=100.36.7.31&mm=28&m
    Content-Type: text/html; charset=UTF-8\r\n
    Server: ClientMapServer\r\n
    Content-Length: 510\r\n
    X-XSS-Protection: 1; mode=block\r\n
    X-Frame-Options: SAMEORIGIN\r\n
    \r\n
    [HTTP response 1/1]
    [Time since request: 0.415356000 seconds]
    [Request in frame: 39469]
    File Data: 510 bytes
Line-based text data: text/html (6 lines)
No.     Time               Source                Destination           Protocol Length Info
```

/var/folders/3f/g3_9m6js4r947vxdyrys9ykc0000gn/T//wireshark_en1_20180913235132_bpzO9F.pcapng 44111 total packets, 35 shown

```
  39713 00:01:21.547262    192.168.1.12          63.88.73.78           HTTP     589    GET /
edgedl/chromewebstore/L2Nocm9tZV9leHRlbnNpb24vYmxvYnMvZDI3QUFWdDJLbzhIMFNCY21HWi04QmFaZw/
6818.528.0.0_pkedcjkdefgpdelpbcmbmeomcjbeemfm.crx?
cms_redirect=yes&mip=100.36.7.31&mm=28&mn=sn-8xgp1vo-
p5ql&ms=nvh&mt=1536897612&mv=m&pl=16&shardbypass=yes HTTP/1.1
Frame 39713: 589 bytes on wire (4712 bits), 589 bytes captured (4712 bits) on interface 0
Ethernet II, Src: Apple_eb:2a:38 (2c:be:08:eb:2a:38), Dst: Actionte_b6:78:44 (70:f1:96:b6:78:44)
Internet Protocol Version 4, Src: 192.168.1.12, Dst: 63.88.73.78
Transmission Control Protocol, Src Port: 50167, Dst Port: 80, Seq: 1, Ack: 1, Len: 523
Hypertext Transfer Protocol
     [truncated]GET /edgedl/chromewebstore/
L2Nocm9tZV9leHRlbnNpb24vYmxvYnMvZDI3QUFWdDJLbzhIMFNCY21HWi04QmFaZw/
6818.528.0.0_pkedcjkdefgpdelpbcmbmeomcjbeemfm.crx?
cms_redirect=yes&mip=100.36.7.31&mm=28&mn=sn-8xgp1vo-p5ql&ms=nvh&mt=1536897612&mv=
        [ [truncated]Expert Info (Chat/Sequence): GET /edgedl/chromewebstore/
L2Nocm9tZV9leHRlbnNpb24vYmxvYnMvZDI3QUFWdDJLbzhIMFNCY21HWi04QmFaZw/
6818.528.0.0_pkedcjkdefgpdelpbcmbmeomcjbeemfm.crx?
cms_redirect=yes&mip=100.36.7.31&mm=28&mn=sn-8xgp1vo-]
        Request Method: GET
        Request URI [truncated]: /edgedl/chromewebstore/
L2Nocm9tZV9leHRlbnNpb24vYmxvYnMvZDI3QUFWdDJLbzhIMFNCY21HWi04QmFaZw/
6818.528.0.0_pkedcjkdefgpdelpbcmbmeomcjbeemfm.crx?
cms_redirect=yes&mip=100.36.7.31&mm=28&mn=sn-8xgp1vo-p5ql&ms=nvh&mt=15368
        Request Version: HTTP/1.1
    Host: r3---sn-8xgp1vo-p5ql.gvt1.com\r\n
    Connection: keep-alive\r\n
    User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10_13_6) AppleWebKit/537.36 (KHTML, like
Gecko) Chrome/68.0.3440.106 Safari/537.36\r\n
    Accept-Encoding: gzip, deflate\r\n
    Accept-Language: en-US,en;q=0.9\r\n
    \r\n
    [Full request URI [truncated]: http://r3---sn-8xgp1vo-p5ql.gvt1.com/edgedl/chromewebstore/
L2Nocm9tZV9leHRlbnNpb24vYmxvYnMvZDI3QUFWdDJLbzhIMFNCY21HWi04QmFaZw/
6818.528.0.0_pkedcjkdefgpdelpbcmbmeomcjbeemfm.crx?cms_redirect=yes&mip=100.36.7.31]
    [HTTP request 1/1]
```