# SPA112: BE-SPA-SSL Certificate Recognition Issue

#### **Date Identified**

January 30, 2017

#### **Date Resolved**

N/A

#### **Products Affected**

SPA1 12	1.4.2

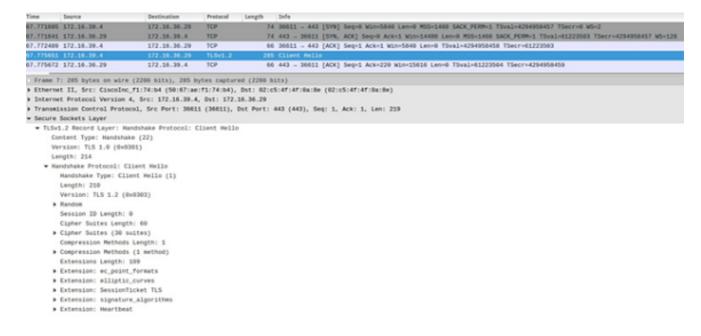
### **Problem Description**

Request received from the SPA does not support the Server Name Indication (SNI). Without the Name Indication SNI support on the Transport Layer Security phase, the Client Hello does not contain the server name information.

In the following images, you have the screenshot of the TLS CLIENT Hello message received by the server when:

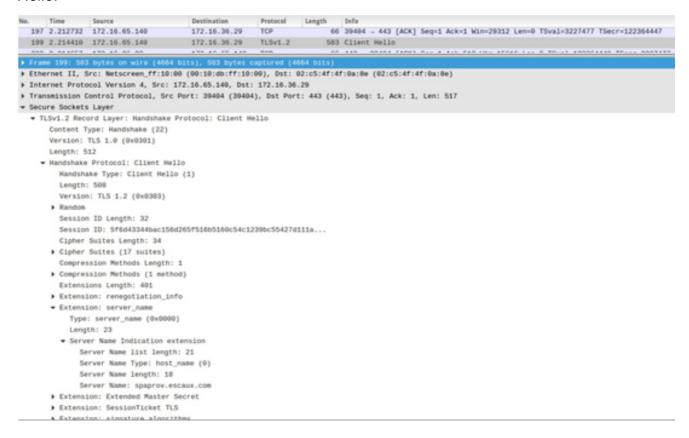
1. SNI is not supported (Request received from the SPA)

**Note:** In this case, there is no server\_name extension in the Handshake Protocol Client Hello.



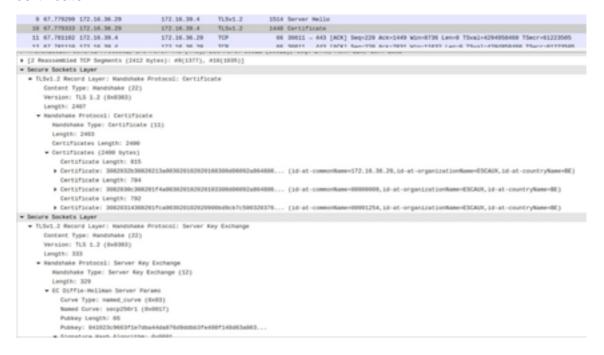
2. SNI is supported (request made via the browser)

**Note:** In this case, the server\_name extension is present in the Handshake Protocol Client Hello.



After the resolution, the request is forwarded to the default virtual host, which has a different Certificate, signed by a different CA. This is where the Unknown CA error occurs in the negotiation phase. With a different result depending on if the request was containing the server\_name information or not:

1. Without SNI (request received from the SPA), the Certificate contains the wrong certificate.



2. With SNI supported (request received from the browser), the Server Hello, Certificate

contains the right certificate.



## **Current Status**

Enhancement request to support SNI has already been filed with CDETS ID: CSCve12309.