How to capture request and response XML

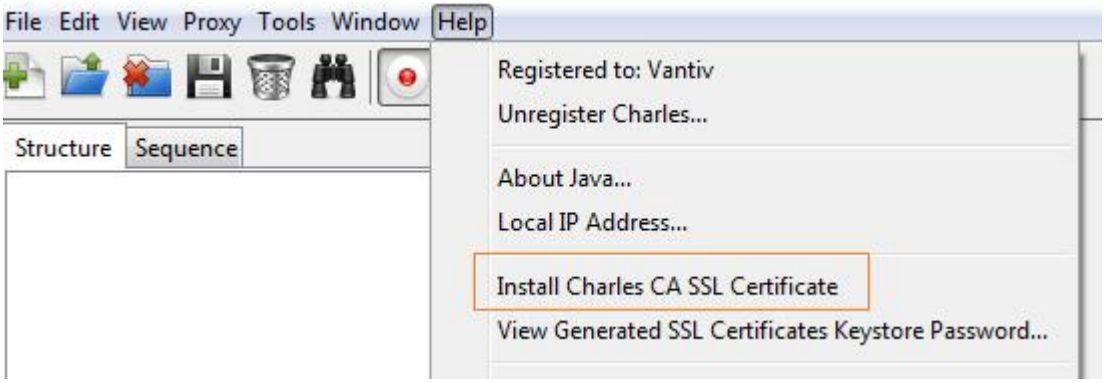
One of the best way to inspect transaction data in a request is to capture the XML before it leaves your system. The following guide provides a way to capture this information in an easy to review approach.

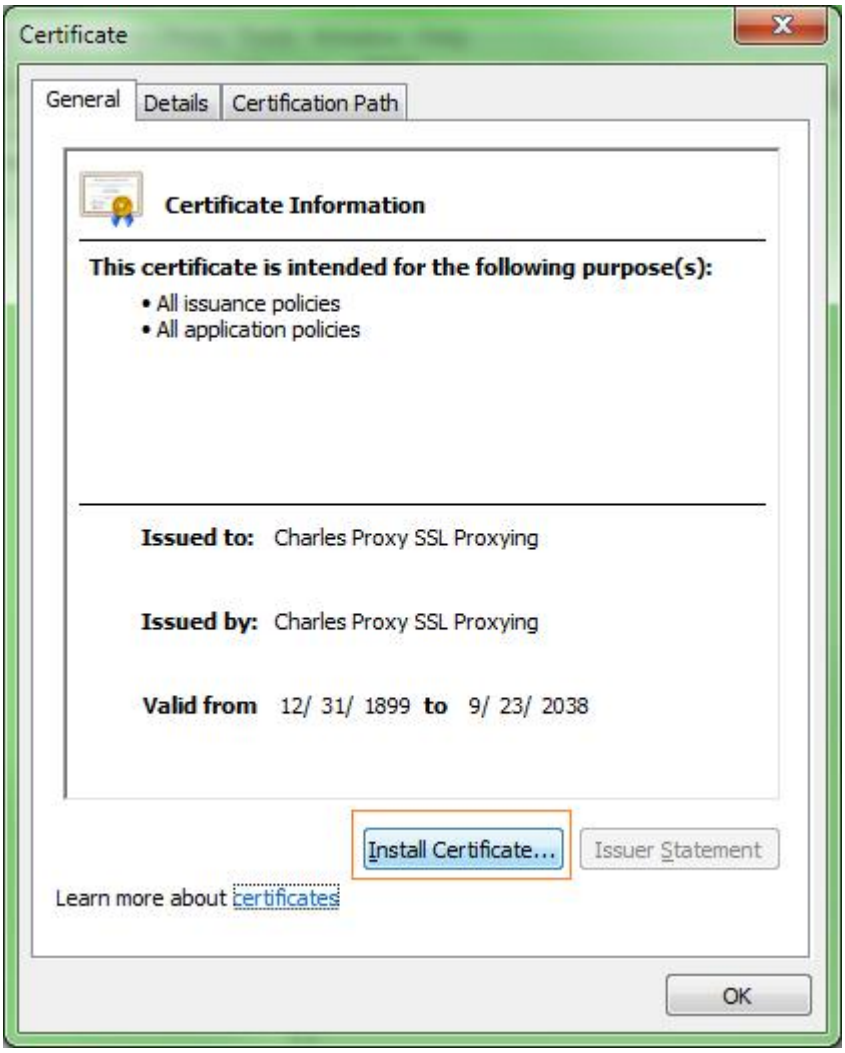
Tools used

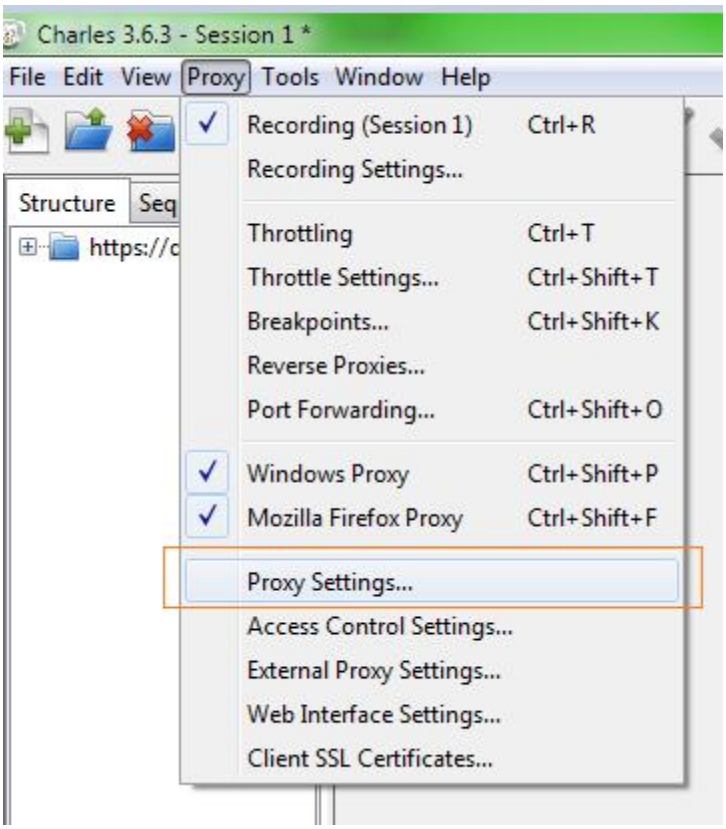
1. Windows 7
2. Charles Proxy http://www.charlesproxy.com/
    a. Others have used fiddler as an alternative http://www.fiddler2.com/fiddler2/
3. c#.NET sample code as provided by IPCommerce.

Setup

1. Download and install Charles Proxy
2. Install the Charles CA SSL Certificate




Certificate
General
Details
Certification Path
Certificate Information
This certificate is intended for the following purpose(s):
• All issuance policies
• All application policies
Issued to: Charles Proxy SSL Proxying
Issued by: Charles Proxy SSL Proxying
Valid from 12/ 31/ 1899 to 9/ 23/ 2038
Install Certificate...
Issuer Statement
Learn more about certificates
OK



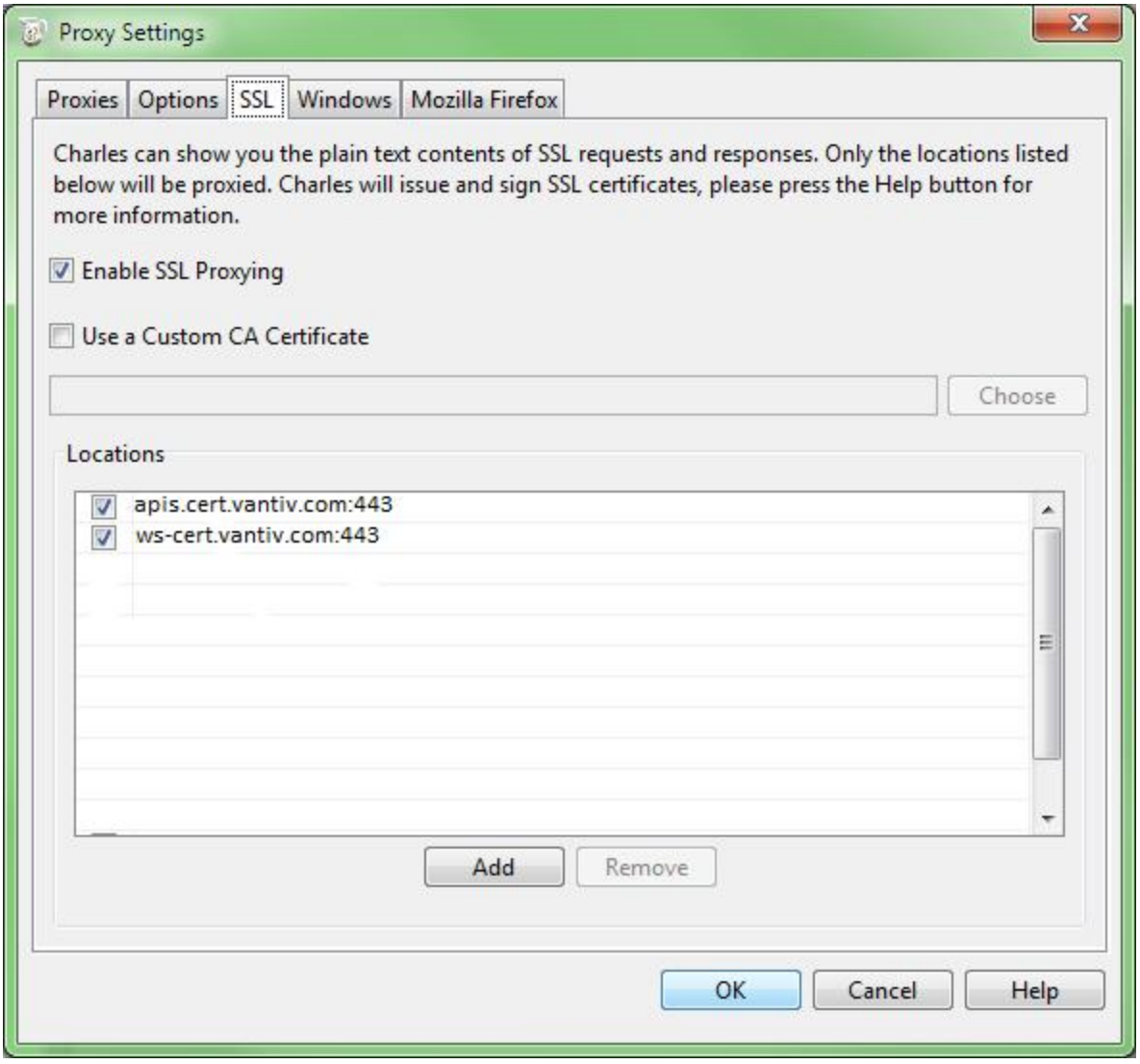
Make sure the following are added to the SSL tab

Certification test system

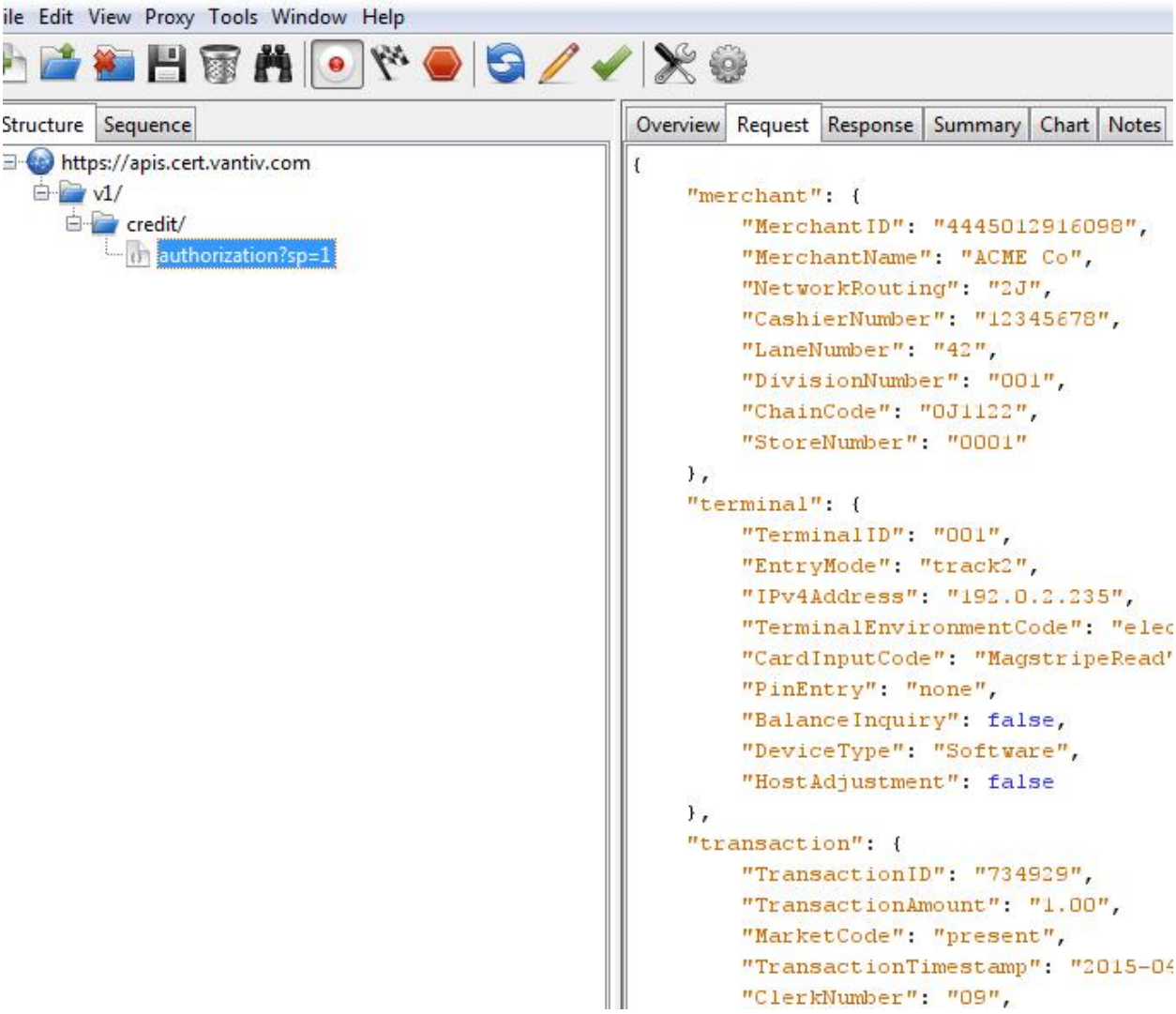
- Developer Portal: apis.cert.vantiv.com
- Payment Web Services: ws-cert.vantiv.com

Production

- Developer Portal: apis.vantiv.com



At this point, close Charles and re-open. Open your .NET application and send a transaction. From here you'll see all of the request and response detail as sent by the application.


ile Edit View Proxy Tools Window Help
Structure
Sequence
https://apis.cert.vantiv.com
v1/
credit/
authorization?sp=1
Overview
Request
Response
Summary
Chart
Notes
{
"merchant": {
"MerchantID": "4445012916098",
"MerchantName": "ACME Co",
"NetworkRouting": "2J",
"CashierNumber": "12345678",
"LaneNumber": "42",
"DivisionNumber": "001",
"ChainCode": "0J1122",
"StoreNumber": "0001"
},
"terminal": {
"TerminalID": "001",
"EntryMode": "track2",
"IPv4Address": "192.0.2.235",
"TerminalEnvironmentCode": "elec
"CardInputCode": "MagstripeRead'
"PinEntry": "none",
"BalanceInquiry": false,
"DeviceType": "Software",
"HostAdjustment": false
},
"transaction": {
"TransactionID": "734929",
"TransactionAmount": "1.00",
"MarketCode": "present",
"TransactionTimestamp": "2015-04
"ClerkNumber": "09",