AMODIT WebAPI how-to

How to use AMODIT SOAP web service

Available materials

All information about AMODIT WebAPI (SOAP web service) you can find at:

https://wiki.amodit.com/pl/?top-category=dla-integrator%c3%b3w

and subsites:

https://wiki.amodit.com/pl/baza-wiedzy/wspolpraca-aplikacji-zewnetrznych-z-amodit-poprzez-api/

https://wiki.amodit.com/pl/baza-wiedzy/amodit-webservice/

https://wiki.amodit.com/pl/baza-wiedzy/amodit-api/

Connecting to AMODIT WebAPI

The following code samples are written in C# language.

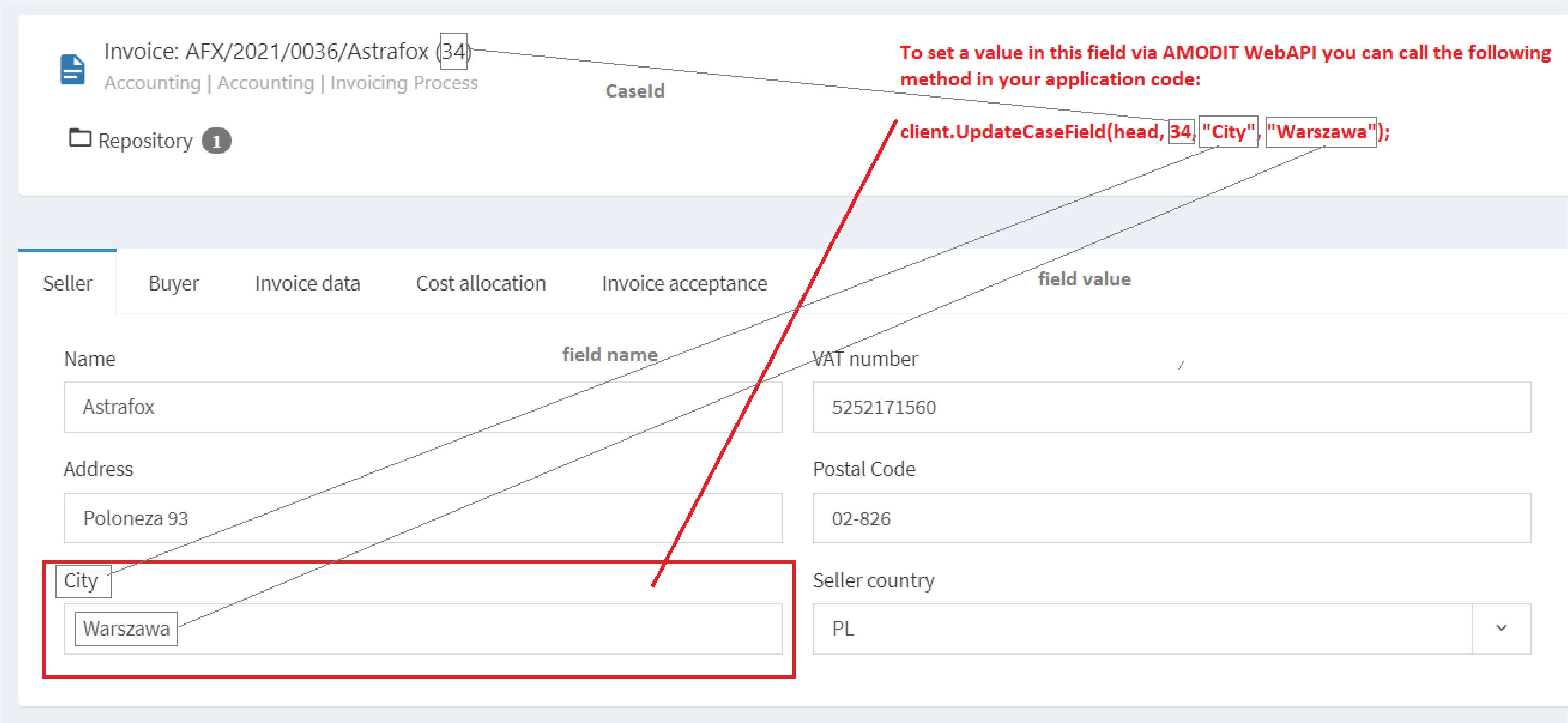
The code below is common for all method calls of AMODIT web service.

```
// AMODIT web service URL. Add a reference to it in your project.
http://{server_address}/webserviceanon/amodwebapi.asmx?WSDL

// Connection to the AMODIT web service
AMODWebAPI.AMODWebAPISoapClient client = new AMODWebAPI.AMODWebAPISoapClient();
AMODWebAPI.AMODWebAPIHeader head = new AMODWebAPI.AMODWebAPIHeader();

// Authentication - you should create a system user account in AMODIT.
// To do this go to the "Permissions" section for this user and select: "System user. Cannot log in.”
head.Username = {user_login (string)};
head.Password = {user_password (string)};
string token = client.AuthenticateUser(head);
head.AuthenticatedToken = token;
```

Updating a case field



Invoice: AFX/2021/0036/Astrafox (34)

Accounting | Accounting | Invoicing Process

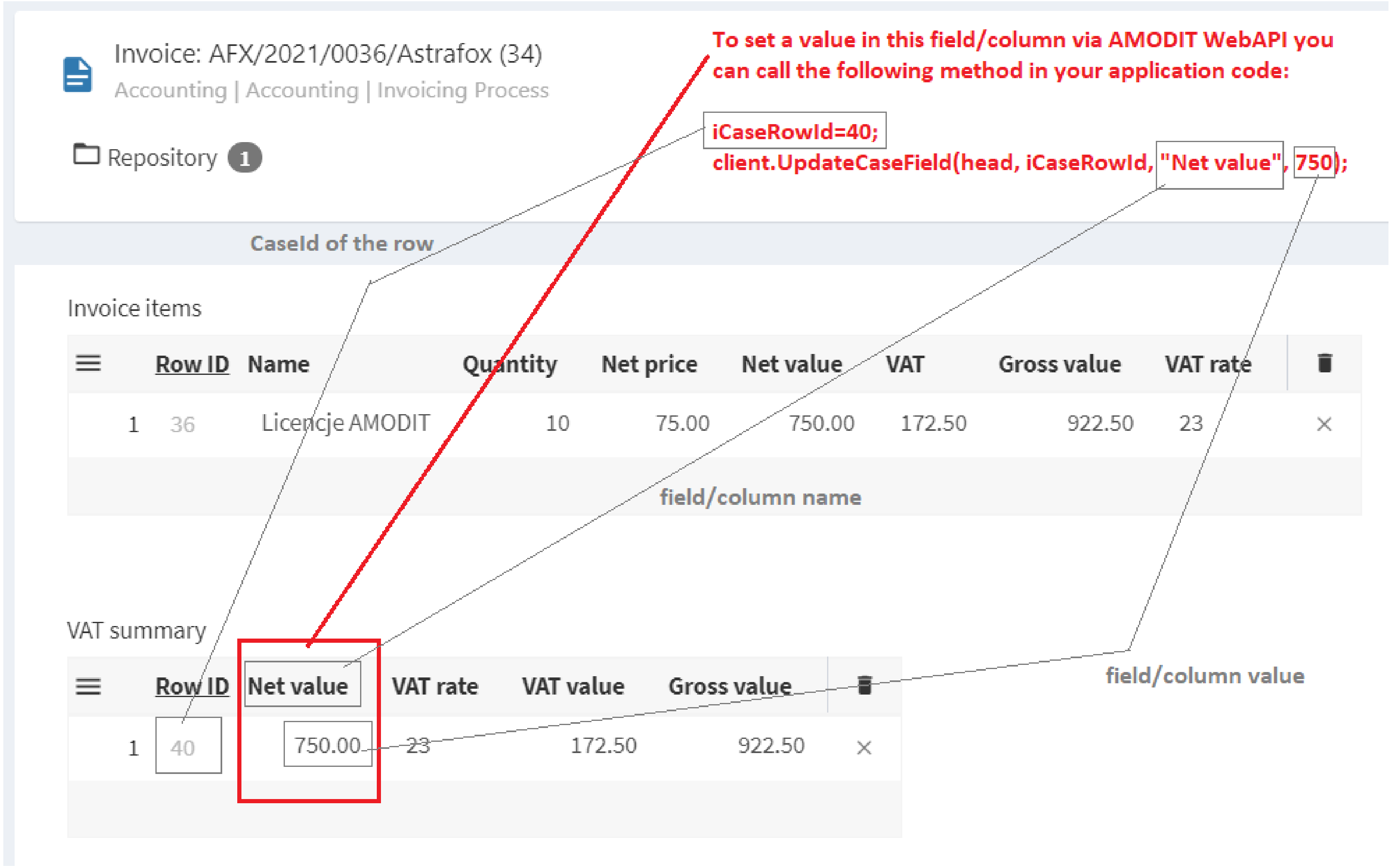
Repository 1

To set a value in this field via AMODIT WebAPI you can call the following method in your application code:

```
client.UpdateCaseField(head, 34, "City", "Warszawa");
```

Name	VAT number
Astrafox	5252171560
Address	Postal Code
Poloneza 93	02-826
City	Seller country
Warszawa	PL

Updating a table column



Invoice: AFX/2021/0036/Astrafox (34)

Accounting | Accounting | Invoicing Process

Repository 1

To set a value in this field/column via AMODIT WebAPI you can call the following method in your application code:

```
iCaseRowId=40;
client.UpdateCaseField(head, iCaseRowId, "Net value", 750);
```

CaseId of the row

Invoice items

	Row ID	Name	Quantity	Net price	Net value	VAT	Gross value	VAT rate	
1	36	Licencje AMODIT	10	75.00	750.00	172.50	922.50	23	×

field/column name

VAT summary

	Row ID	Net value	VAT rate	VAT value	Gross value	
1	40	750.00	23	172.50	922.50	×

field/column value

Creating a new case

```
// This method creates a new case.
client.CreateCase(head, {procedurę_title (string)}, {starting_state_title (string)}, {case_title (string)});


// An example:
client.CreateCase(head, "Invoicing process",  "New document",  "An invoice from AstraFox");


// The above method returns an XML file containing CaseId of the created case.
```

webapi_createcase_result.xml

Adding a table row and setting a value in a column

```
// The AddTableRow method adds a row to a table {table_field_name (string)} on the form of the case identified by {caseId (int)}.

int iCaseRowId = client.AddTableRow(head, {CaseId (int)}, {table_field_name (string)});
```

```
// The UpdateCaseField method updates the field on a case's form named {field/column_name (string)} with the value {field/column_value
//(string)}.

// The example below shows how to set a column value in a table on a form.

client.UpdateCaseField(head, iCaseRowId, {field/column_name (string)}, {field/column_value (string)});
```

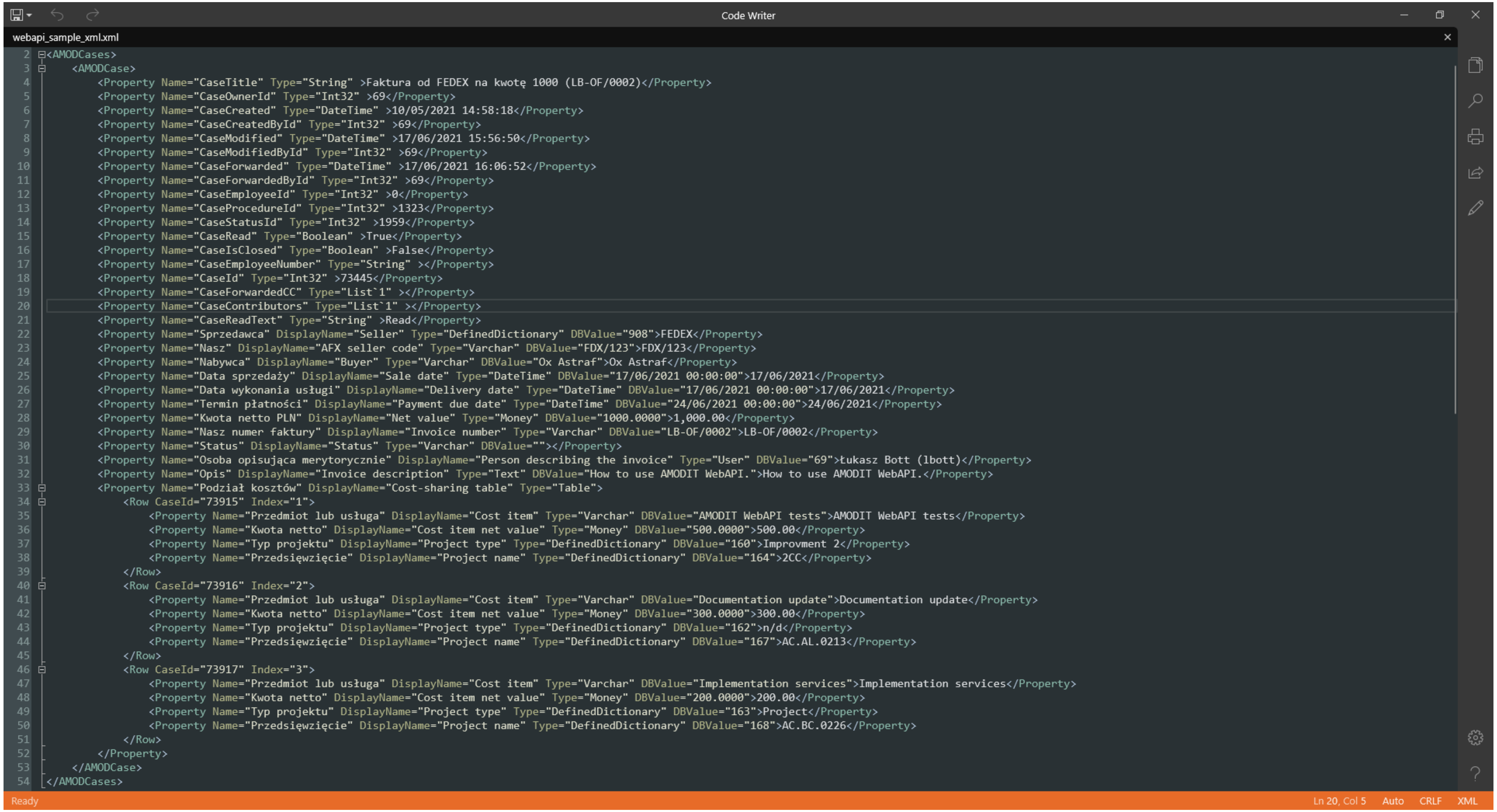
Getting case XML

```
// The GetCase method returns the XML code which defines the field and/or column values for the form associated with {caseId}.
string caseXml = client.GetCase(head, {caseId(int)});
```

```
// The XML structure of the case:
```

webapi_sample_xml.xml

A sample case form XML



```xml
<AMODCases>
    <AMODCase>
        <Property Name="CaseTitle" Type="String" >Faktura od FEDEX na kwotę 1000 (LB-OF/0002)</Property>
        <Property Name="CaseOwnerId" Type="Int32" >69</Property>
        <Property Name="CaseCreated" Type="DateTime" >10/05/2021 14:58:18</Property>
        <Property Name="CaseCreatedById" Type="Int32" >69</Property>
        <Property Name="CaseModified" Type="DateTime" >17/06/2021 15:56:50</Property>
        <Property Name="CaseModifiedById" Type="Int32" >69</Property>
        <Property Name="CaseForwarded" Type="DateTime" >17/06/2021 16:06:52</Property>
        <Property Name="CaseForwardedById" Type="Int32" >69</Property>
        <Property Name="CaseEmployeeId" Type="Int32" >0</Property>
        <Property Name="CaseProcedureId" Type="Int32" >1323</Property>
        <Property Name="CaseStatusId" Type="Int32" >1959</Property>
        <Property Name="CaseRead" Type="Boolean" >True</Property>
        <Property Name="CaseIsClosed" Type="Boolean" >False</Property>
        <Property Name="CaseEmployeeNumber" Type="String" ></Property>
        <Property Name="CaseId" Type="Int32" >73445</Property>
        <Property Name="CaseForwardedCC" Type="List`1" ></Property>
        <Property Name="CaseContributors" Type="List`1" ></Property>
        <Property Name="CaseReadText" Type="String" >Read</Property>
        <Property Name="Sprzedawca" DisplayName="Seller" Type="DefinedDictionary" DBValue="908">FEDEX</Property>
        <Property Name="Nasz" DisplayName="AFX seller code" Type="Varchar" DBValue="FDX/123">FDX/123</Property>
        <Property Name="Nabywca" DisplayName="Buyer" Type="Varchar" DBValue="Ox Astraf">Ox Astraf</Property>
        <Property Name="Data sprzedaży" DisplayName="Sale date" Type="DateTime" DBValue="17/06/2021 00:00:00">17/06/2021</Property>
        <Property Name="Data wykonania usługi" DisplayName="Delivery date" Type="DateTime" DBValue="17/06/2021 00:00:00">17/06/2021</Property>
        <Property Name="Termin płatności" DisplayName="Payment due date" Type="DateTime" DBValue="24/06/2021 00:00:00">24/06/2021</Property>
        <Property Name="Kwota netto PLN" DisplayName="Net value" Type="Money" DBValue="1000.0000">1,000.00</Property>
        <Property Name="Nasz numer faktury" DisplayName="Invoice number" Type="Varchar" DBValue="LB-OF/0002">LB-OF/0002</Property>
        <Property Name="Status" DisplayName="Status" Type="Varchar" DBValue=""></Property>
        <Property Name="Osoba opisująca merytorycznie" DisplayName="Person describing the invoice" Type="User" DBValue="69">Łukasz Bott (lbott)</Property>
        <Property Name="Opis" DisplayName="Invoice description" Type="Text" DBValue="How to use AMODIT WebAPI.">How to use AMODIT WebAPI.</Property>
        <Property Name="Podział kosztów" DisplayName="Cost-sharing table" Type="Table">
            <Row CaseId="73915" Index="1">
                <Property Name="Przedmiot lub usługa" DisplayName="Cost item" Type="Varchar" DBValue="AMODIT WebAPI tests">AMODIT WebAPI tests</Property>
                <Property Name="Kwota netto" DisplayName="Cost item net value" Type="Money" DBValue="500.0000">500.00</Property>
                <Property Name="Typ projektu" DisplayName="Project type" Type="DefinedDictionary" DBValue="160">Improvment 2</Property>
                <Property Name="Przedsięwzięcie" DisplayName="Project name" Type="DefinedDictionary" DBValue="164">2CC</Property>
            </Row>
            <Row CaseId="73916" Index="2">
                <Property Name="Przedmiot lub usługa" DisplayName="Cost item" Type="Varchar" DBValue="Documentation update">Documentation update</Property>
                <Property Name="Kwota netto" DisplayName="Cost item net value" Type="Money" DBValue="300.0000">300.00</Property>
                <Property Name="Typ projektu" DisplayName="Project type" Type="DefinedDictionary" DBValue="162">n/d</Property>
                <Property Name="Przedsięwzięcie" DisplayName="Project name" Type="DefinedDictionary" DBValue="167">AC.AL.0213</Property>
            </Row>
            <Row CaseId="73917" Index="3">
                <Property Name="Przedmiot lub usługa" DisplayName="Cost item" Type="Varchar" DBValue="Implementation services">Implementation services</Property>
                <Property Name="Kwota netto" DisplayName="Cost item net value" Type="Money" DBValue="200.0000">200.00</Property>
                <Property Name="Typ projektu" DisplayName="Project type" Type="DefinedDictionary" DBValue="163">Project</Property>
                <Property Name="Przedsięwzięcie" DisplayName="Project name" Type="DefinedDictionary" DBValue="168">AC.BC.0226</Property>
            </Row>
        </Property>
    </AMODCase>
</AMODCases>
```

Searching for cases

```
//The GetCasesByFieldValue method returns a comma separated list of cases {caseId (int)} where a field {field_name} matches a value
//{field_value}.


string caseIds = client.GetCasesByFieldValue(head, {field_name}, {field_value});

string[] caseIdSplit = caseIds.Split(',');
```