Methods of interaction with ArtZvit through Soap-interface

CONTENT

Interface registration

During the installation of the ArtZvit Pro it is necessary to mark "Integration with other programs" (Fig. 1)
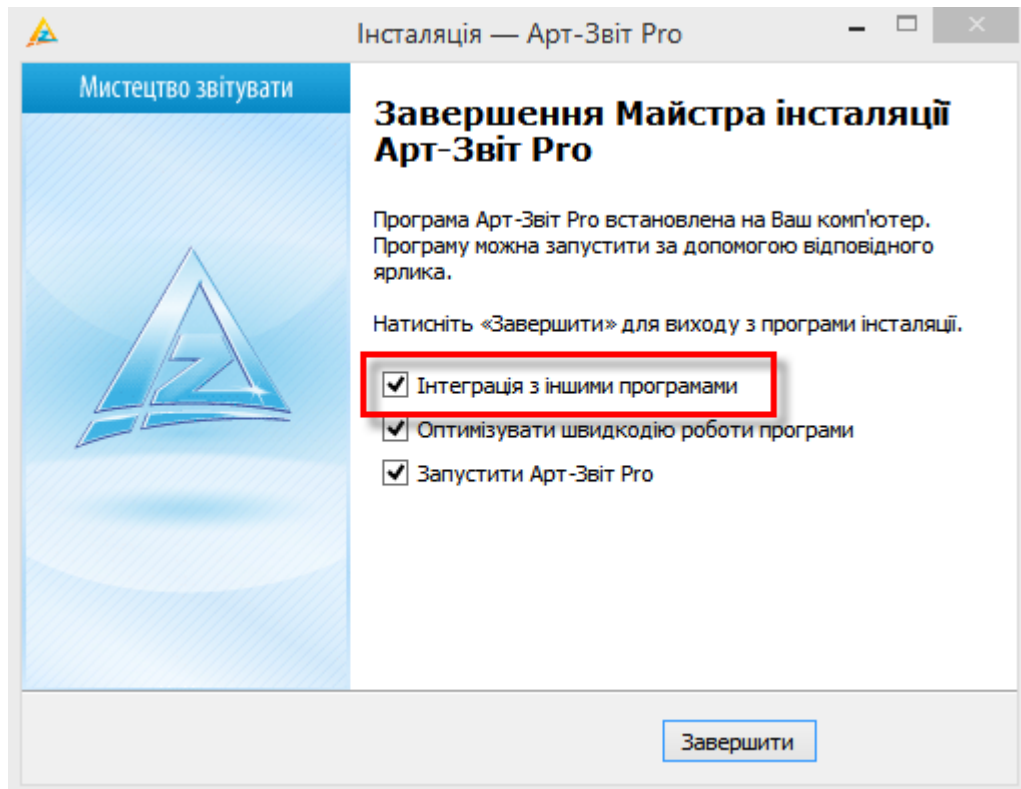

Fig.1

The interface is published by the Windows Artzvit.Soap service. To install the service you can use the ArtZvit.SoapService.Install.bat file in the program directory. Depending on the bit size of the operating system in the file, you need to comment / uncomment the corresponding lines. Before registering in the Artzvit.SoapService.exe.config configuration file, you must configure the section

<baseAddresses>

    <add baseAddress = "http: // localhost: 8080 / artzvit" />

</baseAddresses>

where you need to specify the network address of the service, if it will be called from other computers.

After starting ArtZvit.SoapService.Install.bat, you need to check whether the Artzvit Soap service is running in Administrative Tools - Services. The Status field must be Running. If at service start the status remains empty that logs can be looked in C: \ ProgramData \ AM-SOFT \ ArtZvit \ Logs \ "year" \ "month" \ "year_month_number.log"

Test method

string Test(String user, String text);

Method for tape transfer test. Returns the input tape (String text)

Version

string Version(String user);

Get the ArtZvit version. It can be used in the future at expanding interfaces to understand what operations are available.

Import Report

void Import(String user, String filename, String bodyXml);

The finished XML report is imported using this method.

As a result, the LogOperation log file of the program will contain the line "String user: | INFO | Import report via COM String filename |", the program will have an imported report.

Export Report

string GetTaxBill(String user, String filename);

Returns any XML report in the database, regardless of the method name

Create a report online

Next, we describe the process of creating reports and methods for filling out the report. You can create a report using the following method:

String ReportCreate (String user,

        String organizationCode,

        String template,

        String year,

        String month,

        String period,

        String state,

        String extId

   );

Where period takes value:

1 - month
2 - quarter
3 - half-year
4 – 9 months
5 - year

State takes values:

1 - Reporting
2 - New reporting
3 – Clarifying

The result is the return of the report ID, which is used only in this session for further methods, as the first parameter String reportId.

Code example on C#

var report = client.ReportCreate("user", "34554355", "J1201010", "2019", "9", "1", "1", "111116");

In further manipulations we will use the report identifier.

To fill the report with data, you need to use the methods described below ReportSetItem, ReportSetTableItem, and then be sure to save the report using the ReportSave method.

Set the value of the report parameter

void ReportSetItem (String reportId, String name, String value);

Code example on C#

client.ReportSetItem(report, "HERPN", "1");

client.ReportSetItem(report, "HNAMEBUY", " назва контрагента ");

client.ReportSetItem(report, "HKBUY", " код платника контрагента ");

client.ReportSetItem(report, "R04G11", "4 800");

Set the value of the tabular parameter of the report

void ReportSetTableItem (String reportId, String rownum, String name, String value);

Code example on C#

client.ReportSetTableItem(report, "1", "T1RXXXXG5", "1");

client.ReportSetTableItem(report, "2", "T1RXXXXG5", "2");

Set the value of the tax inspection to which the original report is submitted

void ReportSetOriginalDpi (String reportId, String creg, String craj);

It used if you want to change the value specified in the organization settings

Set the value of the tax inspection to which a copy of the report is submitted

void ReportSetCopyToDpi (String reportId, String creg, String craj);

It used if you want to submit a copy to an inspection other than the one specified in the organization settings

Save report

void ReportSave (String reportId);

When you call this method, all the work of creating a report, generating a file name, etc. takes place.

Receiving about Tax invoices/ settlement adjustments for tax invoices by filter

string FilterTaxBills(String user, String organizationCode,

                  String filter);

This method allows you to filter the information contained in the program Art-Zvit Pro from the tabs: "Tax invoices", "Excise invoices", "Way bill", "Primary documents".

The search filter is specified by XML of the following type:

```
<Filter>
< Import >0</Import>
 <SendDate>
  <StartDate>yyyyMMddHHmmss</StartDate>
  <EndDate>yyyyMMddHHmmss</EndDate>
 </SendDate>
<RegisterDate>
  <StartDate>yyyyMMddHHmmss</StartDate>
  <EndDate>yyyyMMddHHmmss</EndDate>
 </RegisterDate>
 <CreationDate>
```

```
 <StartDate>yyyyMMddHHmmss</StartDate>
 <EndDate>yyyyMMddHHmmss</EndDate>
</CreationDate>
<ReportStatus>1</ReportStatus>
<ReportStatus>2</ReportStatus>
<StateByTickets>3</StateByTickets>
<StateByTickets>4</StateByTickets>
<ReportType>3</ReportType>
<ReportType>4</ReportType>
<Filename>111.xml</Filename>
<Filename>111.xml</Filename>
<Filename>111.xml</Filename>
<ExtId>111116</ExtId>
<ExtId>111117</ExtId>
<Number>111116</Number>
<Number>111117</Number>
<BuyerCode>111116</BuyerCode>
<BuyerCode>111117</BuyerCode>
<SellerCode>111116</SellerCode>
<SellerCode>111117</SellerCode>
<BuyerEdrpou>111116</BuyerEdrpou>
<BuyerEdrpou>111117</BuyerEdrpou>
<SellerEdrpou>111116</SellerEdrpou>
<SellerEdrpou>111117</SellerEdrpou>
</Filter>
```

Import – possible values

    1 - (for imported),
    0 - (for their own)

ReportStatus – document status, possible values:

    0 - ("Not signed "),
    1 - ("Accountant Signature "),
    2 - ("Director's signature ")
    3 - ("Stamp signature")
    4 - ("Ready to send")
    5 - ("Sent")
    6 - ("Employee's sign")
    7 - ("Imported tax invoices")
    8 - ("Received from the UNIFIED REGISTER OF TAX INVOICES")
    9 - ("Sent to counterparty ")
    10 - ("Mistaken")
    11 - ("Signed by seller ")
    12 - ("Ready for sending to counterparty ")
    13 - ("The sign of the first individual")

```
14 - ("The sign of the second individual")
15 - ("Sign of the buyer's employee ")
16 - ("Pseudo-report ")
17 - ("Draft ")
```

StateByTickets – the status of the document on the receipts, possible values:

```
0 - ("Not specified "),
1 - ("Accepted"),
2 - ("Accepted with comments")
3 - ("Not accepted "),
5 - ("Accepted by decision of the Commission ")
6 - ("Not accepted by decision of the Commission "),
7 - ("Blocked ")
8 - ("Accepted by decision of the complaint "),
9 - ("Not accepted by decision of the complaint ")
10 - ("The complaint was left without consideration "),
11 - ("Accepted by court decision ")
```

In the case of the absence of any block, it not taken into account.

As a result we receive XML of such type:

<?xml version="1.0" encoding="windows-1251"?>

<ResultList>

 <TaxBill>

  <Filename>26590030049726J1201007100000089310120152659.XML</Filename>

  <ExtId>111116</ExtId>

  <ReportStatus>8</ReportStatus>

  <CreationDate>20150116000000</CreationDate>

  <SendDate>20150116000000</SendDate>

  <Number>897</Number>

 </TaxBill>

 <TaxBill>

  <Filename>26590030049726J1201007100000076710120152659.XML</Filename>

  <ExtId>111117</ExtId>

  <ReportStatus>8</ReportStatus>

  <CreationDate>20150115000000</CreationDate>

  <SendDate>20150116000000</SendDate>

  <Number>768</Number>

 </TaxBill>

</ResultList>

Receiving information about the report by filter

string FilterReports(String user, String organizationCode,

String filter);

This method is similar to receiving PN / RK, but the filter on Import, CreationDate and parameters of the seller / buyer is absent.

External ID

The filters of the last 2 methods and their results have an ExtId field - this is the report ID of the external system. The following methods will work with this ID.

Delete report

void Delete(String user, String extId);

Combine reports to a package

void LinkReport(String user, String parentExtId, String childExtId);

Set ID

void SetExtId(String user, String filename, String extId);

Update the counterparty

void UpdateOrInsertContragent(String user,

String organizationCode,

String code,

String name,

String taxNumber,

String address,

String phoneNumber,

String mailAddress,

String mainOfficeName);

Where organizationCode is the USREOU (Unified State Register of Enterprises and Organizations of Ukraine) code of the current organization, code – is the USREOU code of the counterparty

Update the employee

void UpdateOrInsertEmployee(String user,

        String organizationCode,

        String code,

        String name,

        String middlename,

        String surname,

        String sex,

        String birthday,

        String startDate,

        String endDate,

        String isCitizenOfUkraine,

        String availabilityEmpBook,

        String availabilitySpecialStazh,

        String categoryInsuranceRatesId,

        String categoryInsuredId);

Dates are set in the format «yyyyMMddHHmmss».

The parameters isCitizenOfUkraine, availabilityEmpBook, availabilitySpecialStazh, categoryInsuranceRatesId, categoryInsuredId are set to True or False.