Data Import/Export Program Module Settings Guide

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Introduction into Data Import/Export Program Module Settings Guide

On the page:

- Purpose of document
- General information about "Data import/export" module

Purpose of document

'"Data import/export" program module. Setting guide' document is a reference and information manual. It is meant for configuration specialists and operators of "Data import" and "Data export" modules. This module is a part of access control system (ACS) that is carried out on the basis of *ACFA Intellect* software package.

The following information is performed in this Guide:

1. General information about "Data import/export" program module;
2. Setting up "Data import" program module;
3. Setting up "Data export" program module;
4. Working with "Data import/export" program module.

General information about "Data import/export" module

"Data import/export" program module is a component of ACS that is carried out on the basis of *ACFA Intellect* software package. It allows to import information about staff from external database to database of *ACFA Intellect* software package.

"Data import/export" module allows:

1. GET_DEPARTMENTS_INFO – get information about all departments;
2. GET_DEPARTMENT_INFO_BY_EXTERNAL_ID - get information about department by external_id;
3. GET_PERSON_INFO_BY_EXTERNAL_ID - get information about one person by external_id;
4. GET_PERSONS_INFO_BY_DEPARTMENT - get information about all persons of department by external_id of department;
5. GET_DISMISSED_PERSONS – get identifiers of dismissed persons (external_id);
6. GET_PHOTO_PERSON_BY_EXTERNAL_ID – get photo of person by by external_id;
7. GET_DEPARTMENTS_MODIFIED_INFO – get information about modified departments;
8. GET_PERSONS_MODIFIED_INFO - get information about all modified persons.

Before setting "Data import/export" program module it should be configurated in equipment tree of *ACFA Intellect* software package by changing queries in ini files.

Ini files configuration

Configuration of data import module is described in "Db_Import.ini" file. All facilities listed above are described in sections of the same name.

User's task is to make SQL query to external DBMS in order to get essential information and set conformity between external data (numbers of fields in SQL query) and names of table fields of internal database.

Example. Getting information

[GET_DEPARTMENTS_MODIFIED_INFO] ; Get information about modified departments

; This reaction has "last_sync_date" input parameter

event=UPDATE_DEPARTMENT_INFO ; Event that is sent to core

AutoNotification=1 ; If > 0 then module makes this query itself once a day and it notify the core about modified departments

SQL=SELECT STRUCT.STRUCT_ID, STRUCT.NAME FROM STRUCT WHERE ((STRUCT.DATE_CREATED)>=%date1%) OR ((STRUCT.DATE_MODIFIED)>=%date2%));

NumberFields=2 ; Take only 2 fields from external Database

; Compulsory fields

NissFieldName.0=external_id ; Set STRUCT.STRUCT_ID = external_id compliance (field of internal table of *ACF A Intellect*)

NissFieldName.1=name

; The rest fields

NumberParameters=2

ParameterName.0=%date1% ; Parameter name in SQL query

ParameterValue.0=funDate(last_sync_date) ; Convert "last_sync_date" input parameter into data format (description of funDate function see in [FUNCTION]section of Db_Import.ini file)

ParameterName.1=%date2%

ParameterValue.1=funDate(last_sync_date)

Data export to external DBMS

Data export to external DBMS and replication is performed by administrator of *ACFA Intellect* DMBS.

> **Note.**
> See documentation of corresponding DBMS.

Photo export to external DBMS

Photo export to external DBMS is performed with the help of Db_Export.exe module.

In external DBMS one should create ISS_PHOTOS table that must contain the following fields:

1. ID (INTEGER, Initial key) identifier of employee in *ACFA Intellect*
2. EXTERNAL_ID (INTEGER) identifier of employee in external DBMS
3. PHOTO (BLOB)
4. DATE_CREATED (DATE) date of photo creation
5. DATE_MODIFIED (DATE) date of photo modification

«Personnel department» application:

1. Export photo of employee after its selection from the file
2. Delete photo of employee from external DBMS after removing employee

Features of data import module

For data import the button is used.

To allow data import availability of external_id fields next to departments and employees is necessary. If these fields are not displayed in the grid, it's necessary to add them. For this select one column in the grid and with the help of local menu add this column.

Once a day the system keeps track of changes occurred in external DBMS including personnel dismissing, transfer to another department.

Setting up Data import/export program module

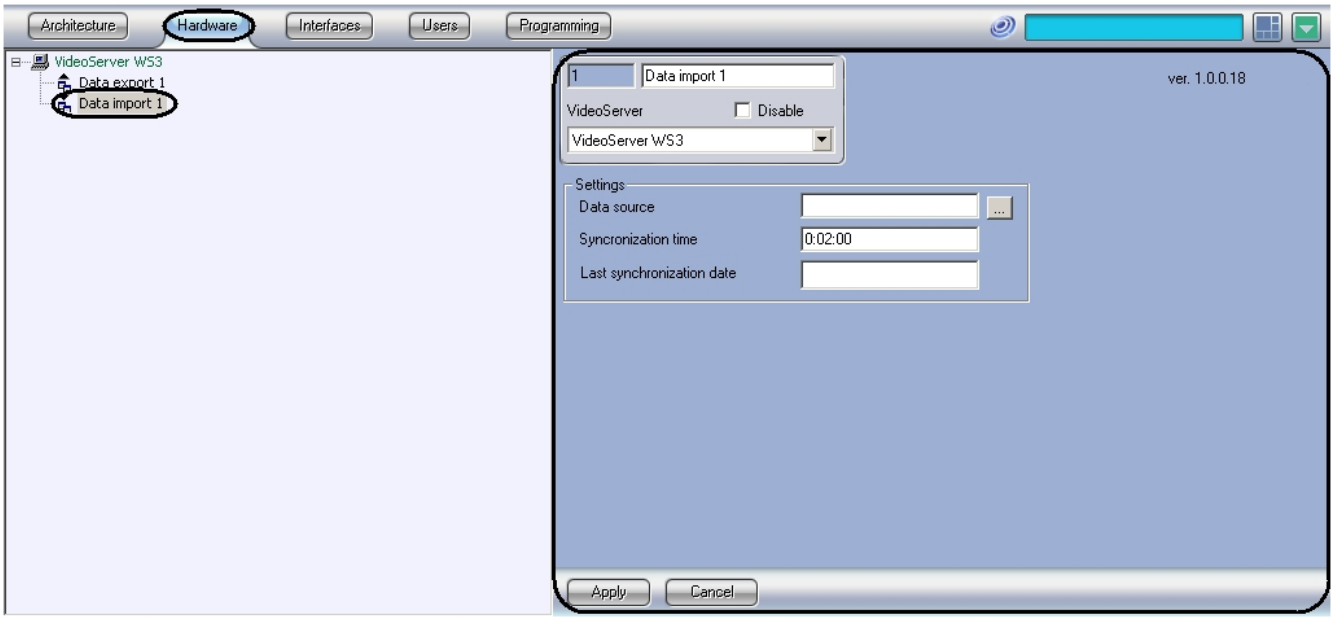
Set up procedure of Data import module

Set up procedure of "Data import" module is the following:

1. creation and setting up "Data import" module in *ACFA Intellect* software package;
2. setting up data import.

Creation of Data import object

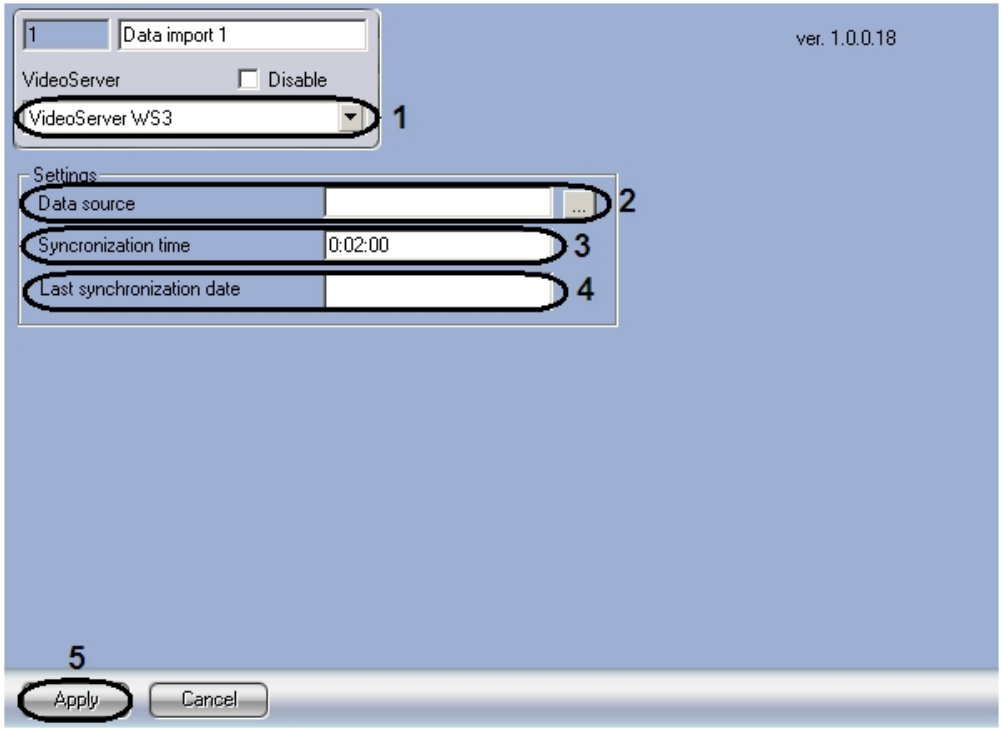
"Data import" object is registered on the basis of "Computer" object in "Hardware" tab of "System settings" dialog box.



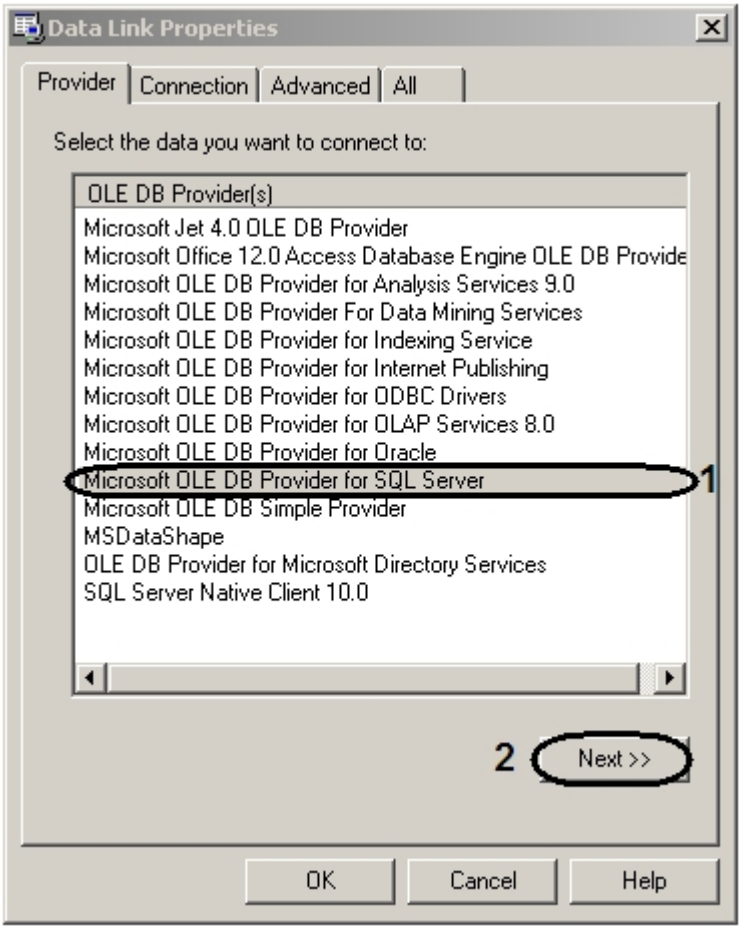
Data import parameters are set on setting panel of "Data import" object.

To set up data import parameters do the following:

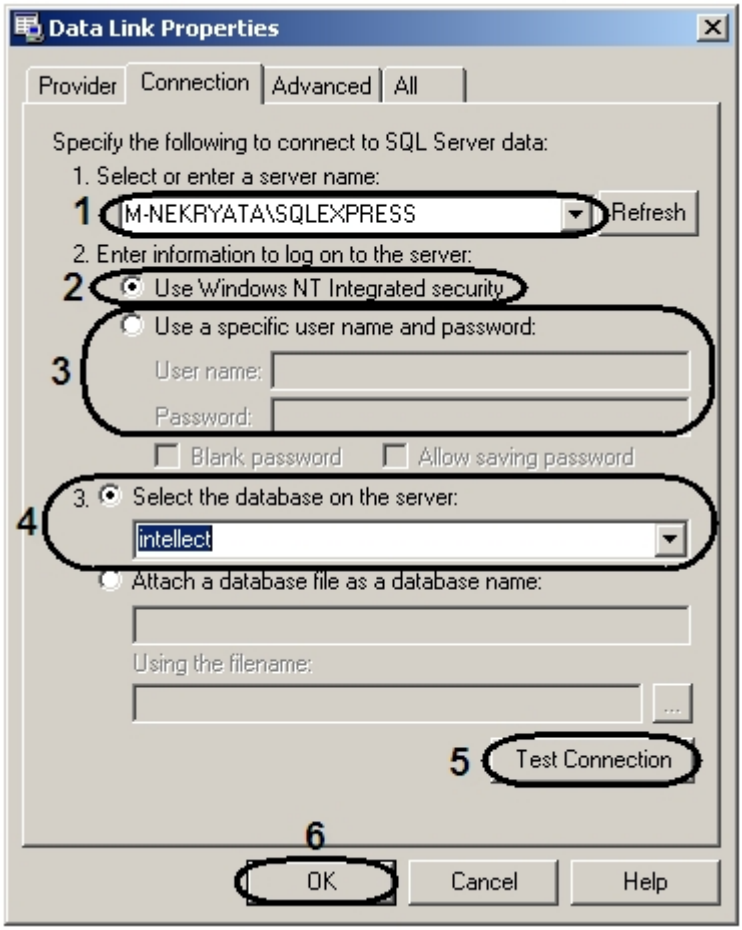
1. Go to setting panel of "Data import" object.



2. Select video server to which "Data import" module will be attached (1).
3. Click "Data source" in order to select ADO data source (2).
4. As a result the dialog box of data resource will be displayed.



a. Go to "Provider" tab and select the provider of connected data (1).
b. To continue click "Next" (2).
c. As a result the "Connection" tab will be displayed.



d. On "Connection" tab it's necessary to select name of server from "1. Select or enter a server name"

dropdown list (1).

e. To log on the server set the switch into "Use Windows NT Integrated security" position (2).
f. While setting up connection to database that is on another server it's necessary to set switch into "user name and password" position and set user name and password in corresponding fields (3).
g. From "Select the database on the server" dropdown list select required database (4).
h. Click "Test connection" (5).
i. If the test is successful then click "OK" (6).

5. As a result the selected data is displayed in "Data source" field (2).
6. In "Synchronization time" field set time during which there will be daily data synchronization (3).
7. In "Last synchronization date" field the date of last synchronization is displayed (4).
8. To save changes click "Apply" (5).

Setting up "Data import" module in *ACFA Intellect* software package is completed.

Setting up Data export program module

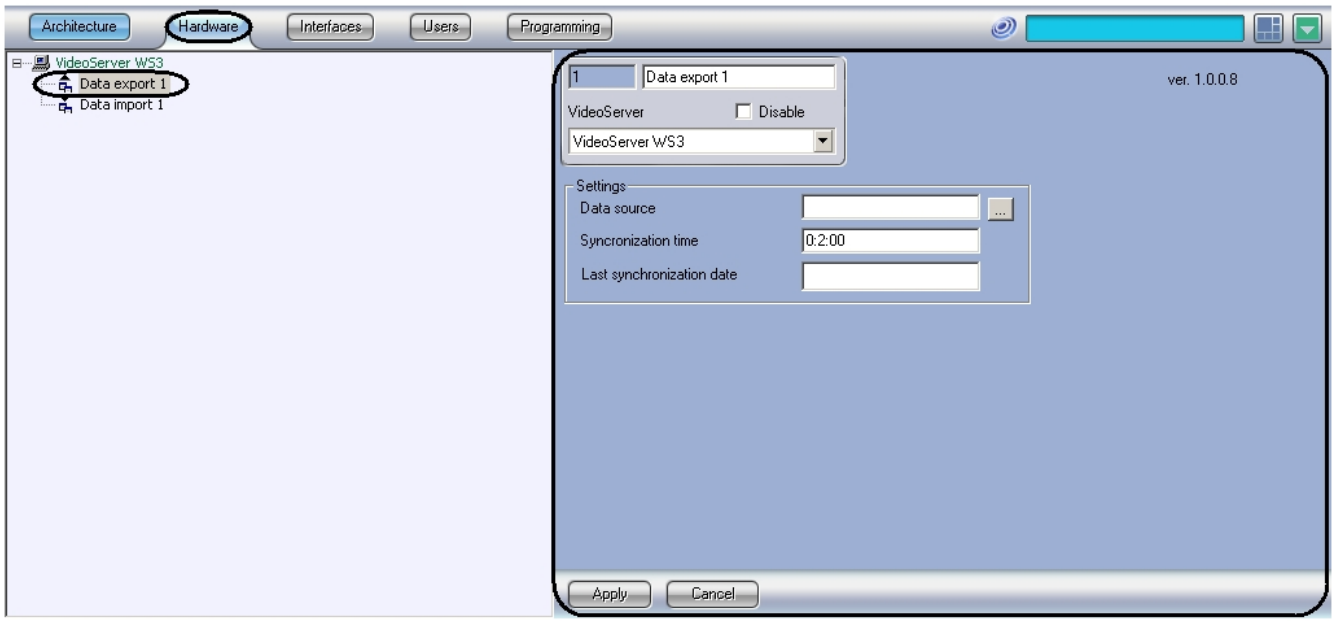
Set up procedure of Data export module

Set up procedure of "Data export" module is the following:

1. creation and setting up "Data export" module in *ACFA Intellect* software package;
2. setting up data export.

Creation of Data export object

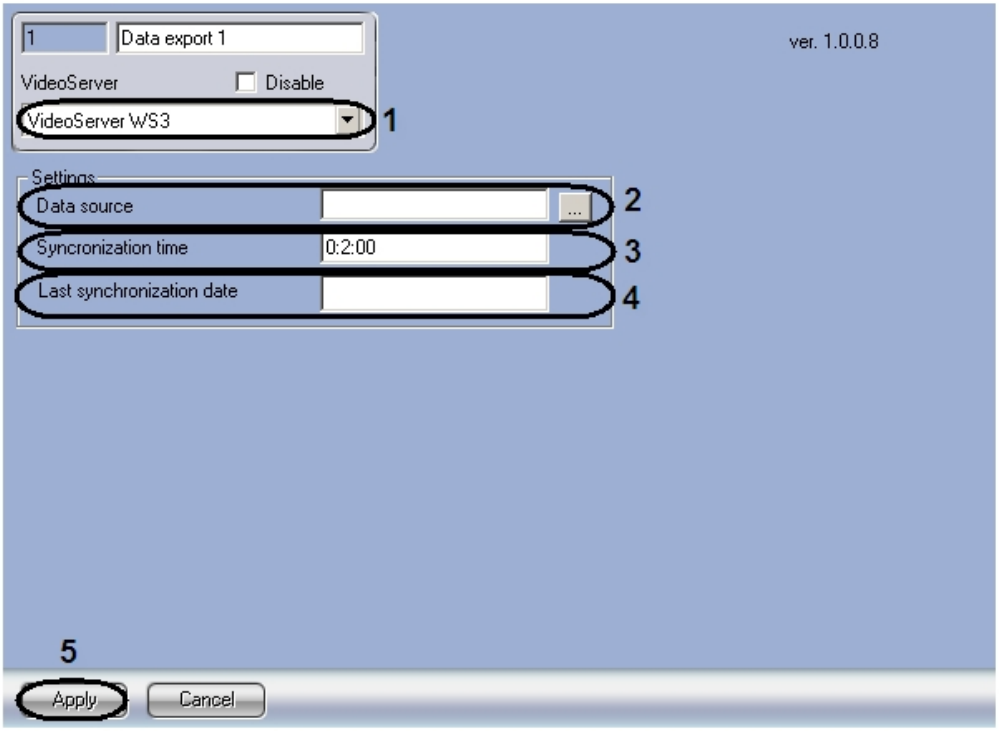
"Data export" object is registered on the basis of "Computer" object in "Hardware" tab of "System settings" dialog box.



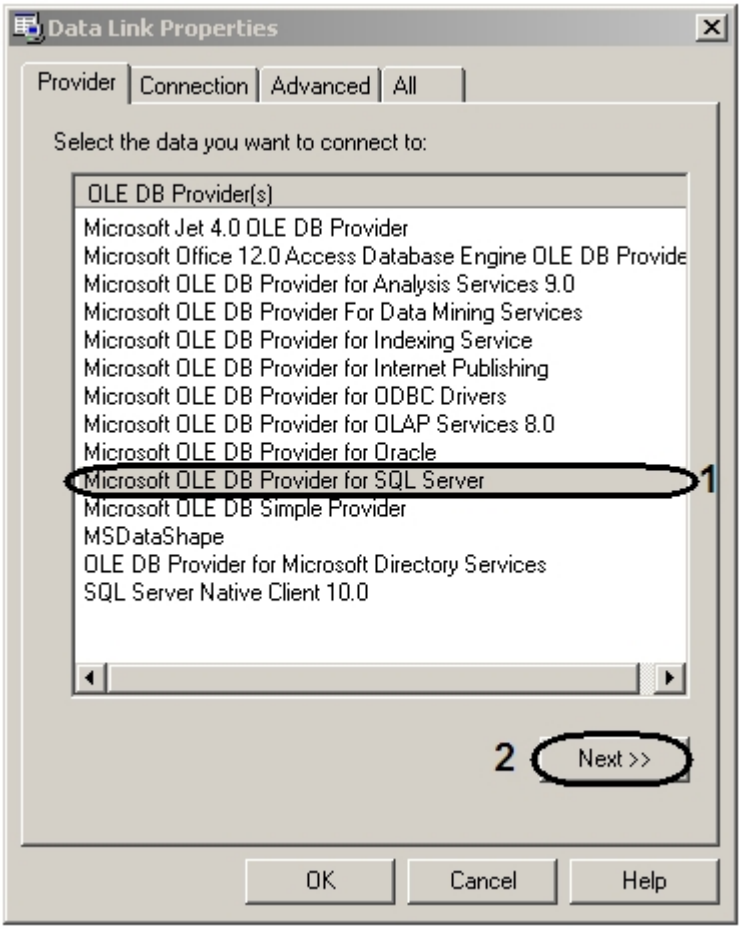
Data export parameters are set on setting panel of "Data export" object.

To set up data export parameters do the following:

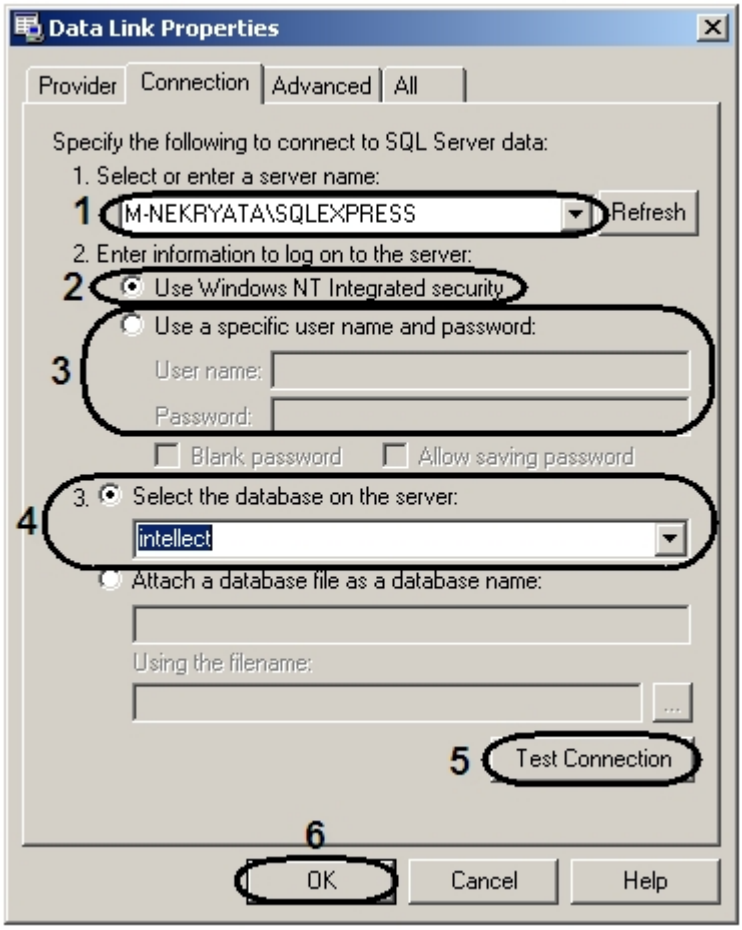
1. Go to setting panel of "Data export" object.



2. Select video server to which "Data export" module will be attached (1).
3. Click "Data source" in order to select ADO data source (2).
4. As a result the dialog box of data resource will be displayed.



a. Go to "Provider" tab and select the provider of connected data (1).
b. To continue click "Next" (2).
c. As a result the "Connection" tab will be displayed.



d. On "Connection" tab it's necessary to select name of server from "1. Select or enter a server name" dropdown list (1).
e. To log on to the server set the switch into "Use Windows NT Integrated security" position (2).
f. While setting up connection to database that is on another server it's necessary to set switch into "user name and password" position and set user name and password in corresponding fields (3).
g. From "Select the database on the server" dropdown list select required database (4).
h. Click "Test connection" (5).
i. If the test is successful then click "OK" (6).

5. As a result the selected data is displayed in "Data source" field (2).
6. In "Synchronization time" field set time during which there will be daily data synchronization (3).
7. In "Last synchronization date" field the date of last synchronization is displayed (4).
8. To save changes click "Apply" (5).

Setting up "Data export" module in *ACFA Intellect* software package is completed.

Setting up users in order to work with Data import/export program modules

In order to work with "Data import" and "Data export" create and set up department accounts that consist of the list of staff. Registration of department accounts is performed by creating "Department" objects on "Users" tab of "System settings" dialog box. Registration of Operator accounts is performed by creating "User" objects on the basis of "Department" object on "Users" tab of "System settings" dialog box.

Note.
Description of working with "Department" and "User" objects is given in Intellect software package: Administrator's Guide.

Working with program modules is carried out from "Visitor Management System" dialog box. Object is created on the basis of "Screen" object on "Interface" tab of "System settings" dialog box.

Note.
Description of working with "Visitor Management System" is given in Visitor Management System Module Settings and Operation Guide.

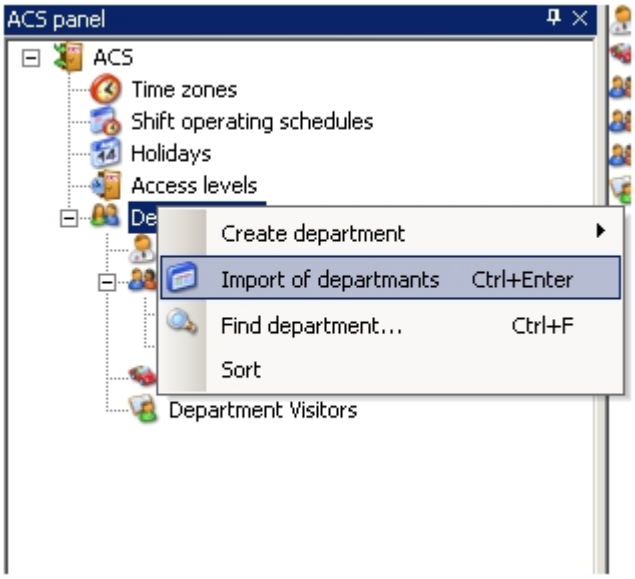
Working with Data import/export program

modules

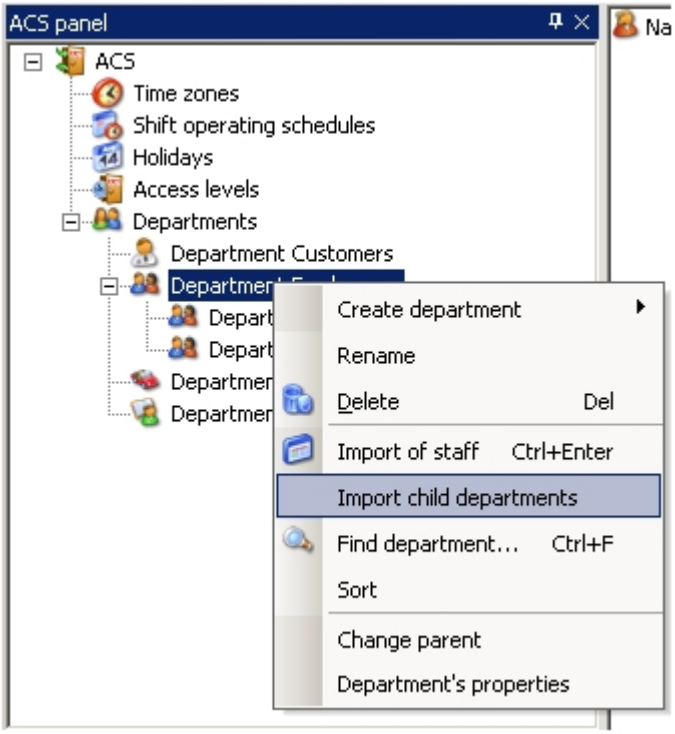
Data import

Import of departments

In order to import departments click right mouse button on “Departments” partition in “ACS panel” object tree of “Access service” box and select “Import of departments”.

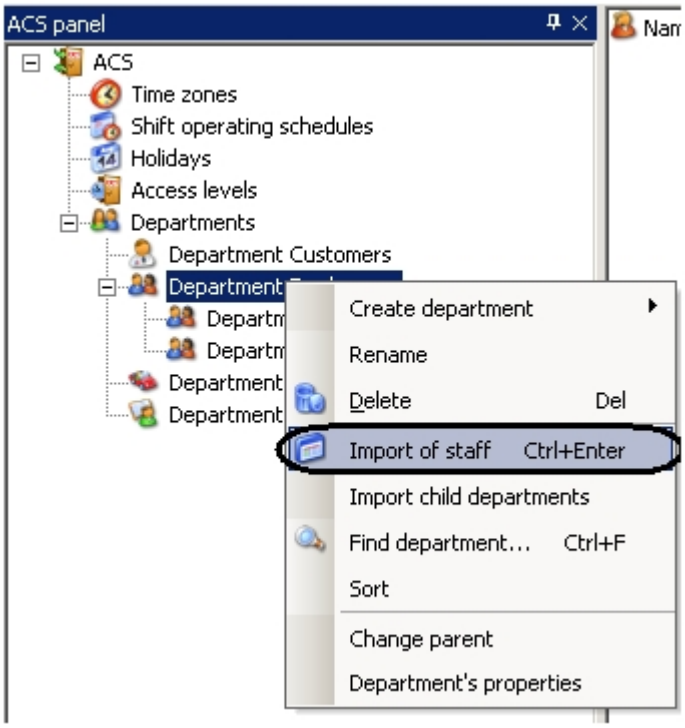


In order to import child departments click right mouse button on parent object and select “Import child departments” in contextual menu.



Import of staff

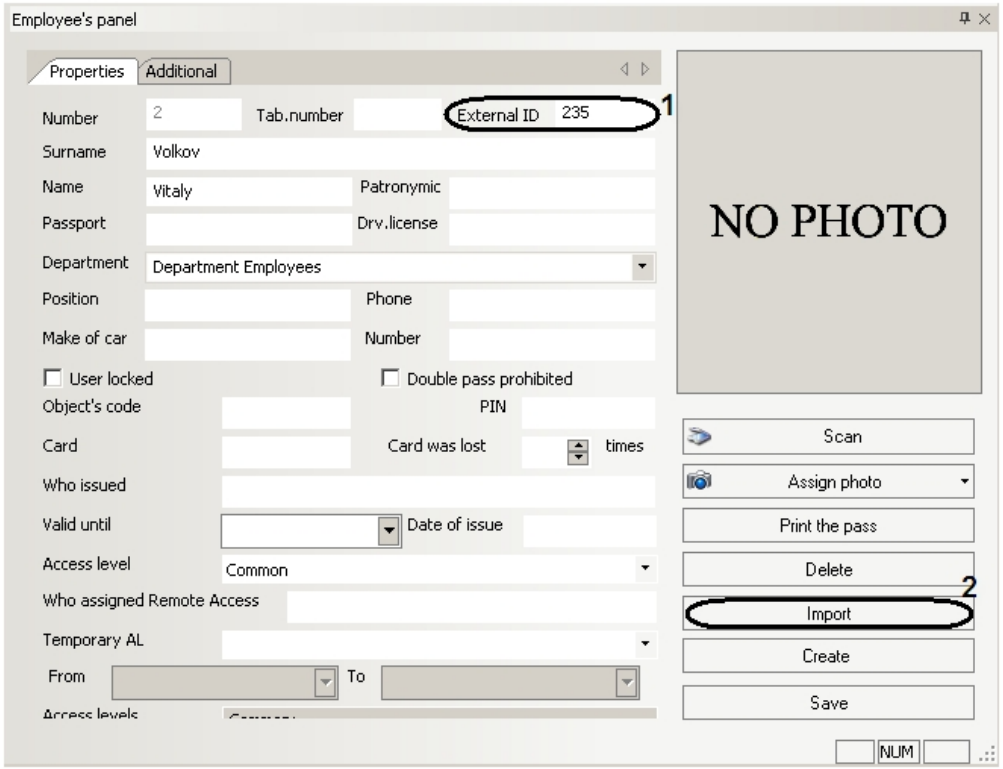
In order to import staff of department select “Import of staff” in the same contextual menu.



In order to import employee by external ID do the following:

1. Set value of staff identifier from external database in “External ID” (1).
2. Click “Import” (2).

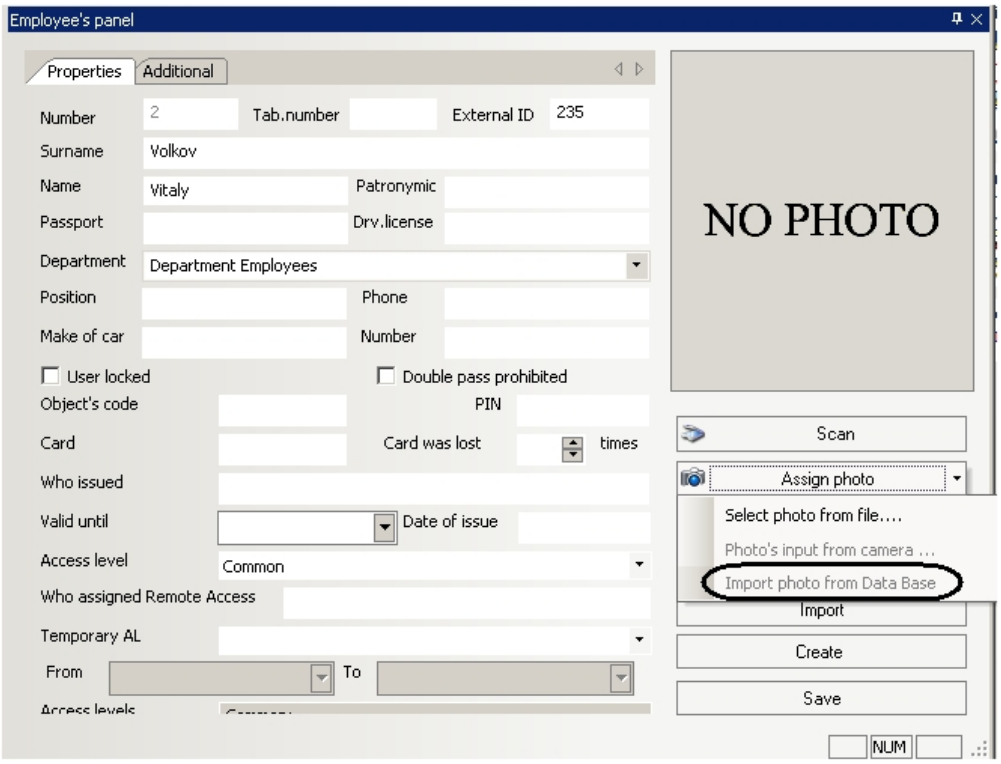
Import of employee by external ID is completed.



Import of photo

“Data import” program module is involved into assigning photo to user. For this do the following:

1. Go to “Employee’s panel”.
2. From “Assign photo” dropdown list select “Import photo from database” value.



Import of photo from database is completed.

Import by schedule

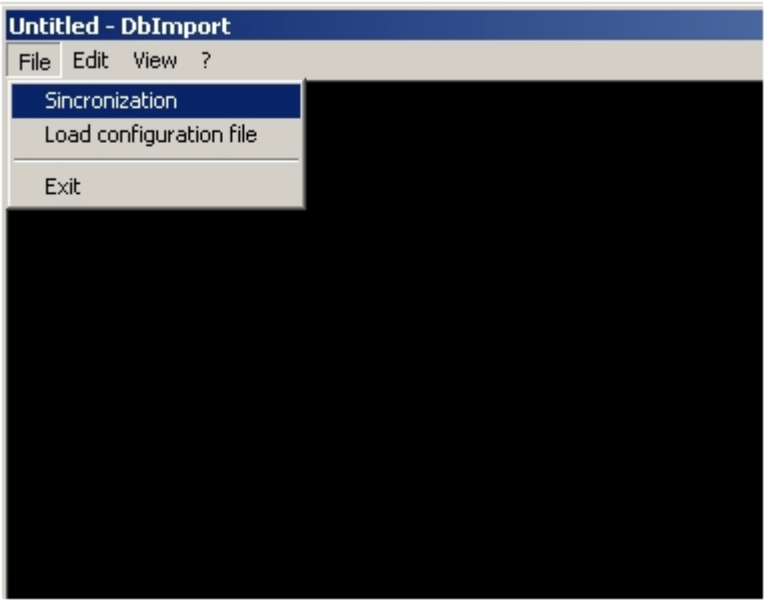
Data import by schedule is carried out according to time that is set in settings (see Creation of Data import object).

Import by user query

Data import by user query can be started the following way:

1. In tray click twice on icon of data import module.

2. As a result "Untitled – DbImport" dialog box is displayed.
3. In this dialog box select File -> Syncronization.



Data import by user query is completed.

Data export

Export by schedule

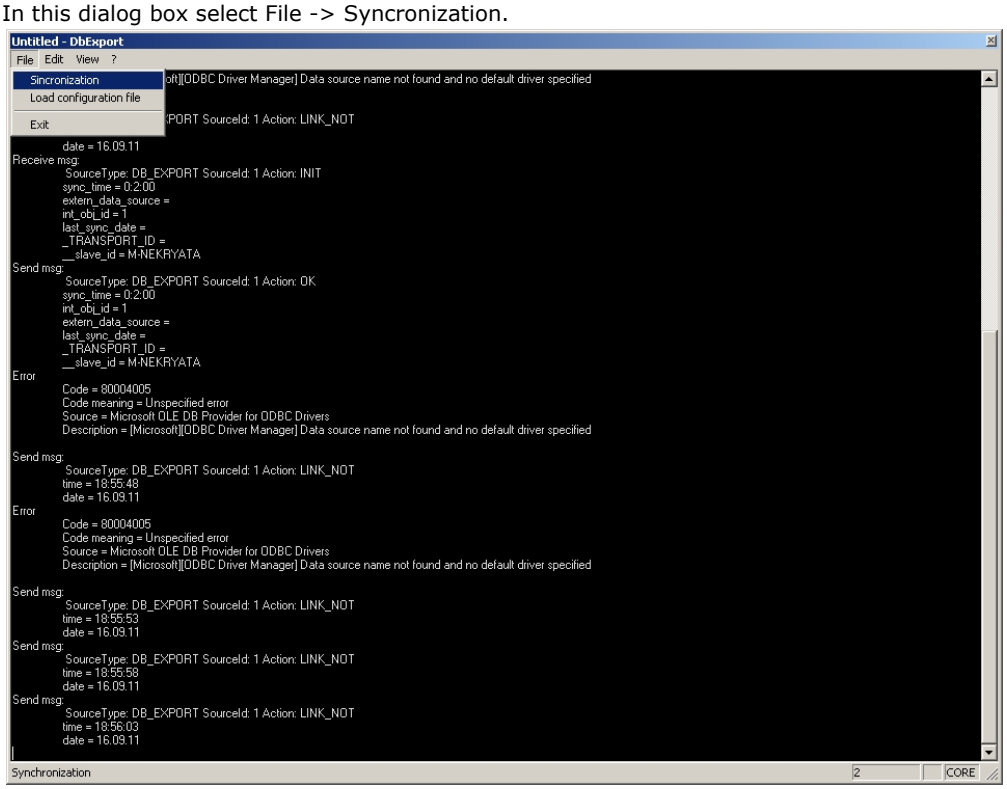
Data export by schedule is carried out according to time that is set in settings (see Creation of Data export object).

Data export by user query

Data export by user query can be started the following way:

1. In tray click twice on icon of data import module.

2. As a result “Untitled – DbImport” dialog box is displayed.
3. In this dialog box select File -> Syncronization.



Data export by user query is completed.