

Media Management and Automation System for Broadcast



DataQuerySource extender

USER MANUAL

Starting from v2.15.102.247, 2.16.0.13

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1 Application

The extender allows receiving contents of broadcasting schedule or MDB items from external sources. It is possible to get the data in XML format via **DataQuerySourceClient.exe** command line tool or via System of Events. It is required that the System of Events is configured to handle external requests for the extender to work properly. Configuring the System of Events in Digispot II applications (http://redmine.digispot.ru/projects/digispot/wiki/Настройка_системы_событий_в_приложениях_Дигиспот_II). The communications protocol should be specified as XML (PROTOCOL="XML").

Data source for the formation of XML (can be broadcasting Djin or Planner):

```
<EVENT _ SERVER HOST="SERVER">
  <CLIENTS>
    <TCP ADDR="SERVER _ XML" TYPE="SERVER" IP="0.0.0.0" PORT="7777"
PROTOCOL="XML"/>
  </CLIENTS>
</EVENT _ SERVER>
```

Data receiver for the formation of XML (workstation with **DataQuerySource.dll** installed):

```
<EVENT _ SERVER HOST="CLIENT">
  <CLIENTS>
    <TCP TYPE="CLIENT" IP="127.0.0.1" PORT="7777" PROTOCOL="XML"/>
  </CLIENTS>
</EVENT _ SERVER>
```

2 Configuration

Plug-in library file: DataQuerySource.dll, should be placed in the Extenders folder with access to required schedule and / or Data Base and with plug-in ID fixed as: *DataQuerySource*

3 DataQuerySourceClient tool

This tool allows accessing DataQuerySource and receiving results as XML data.

The tool must be installed on the workstation which is planned to receive data in XML format.

The parameters of the request are sent via command line and the results are returned as XML data to standard output stream.

Calling parameters for the tool are only displayed if run with no parameters.

Parameters: <Module name> <Address> <Command> [Arguments]

Module name - module name of the data query plugin

Address - address connection to server ([ip address]:[port])

Command - command name

Arguments - arguments to command (<Value name>,<Type>=<value>|"<value>"[]...

Known commands:

* GET_MDB_ITEM_INFO - gets MDB item with specified id
id - Db id of MDB item, Int32, ex: 1234

* GET_SCHEDULE_CONTENT - gets schedule content
sch_folder_name - name of schedule, as in Global settings, string
sch_folder_path - path to schedule, as in Global settings, string
date - schedule date, string, yyyy-mm-dd

In versions starting from 2.16.76 and 2.17.0.121 – 2 parameters are added: **/u**, **/timeout**.

Optional switches:

/u - turn output encoding to UTF-8, to avoid output character conversion,
/timeout=xxx - set reply timeout, where xxx is integer timeout value, seconds
(socket will closed)

In the examples shown below DataQuerySourceClient.exe accesses DataQuerySource, which is part of the local running application (as it accesses via 127.0.0.1 address) that uses the 7777 port for exchanging events in XML format.

Here is an example of received information about an MDB item with ID number 1.

```
DataQuerySourceClient.exe DataQuerySource 127.0.0.1:7777 GET_MDB_ITEM_INFO  
id,Int32=1
```

Here is an example of received Default schedule for January, 30, 2013.

```
DataQuerySourceClient.exe DataQuerySource 127.0.0.1:7777 GET_SCHEDULE_CONTENT  
sch_folder_name=Default date=2013-01-30
```

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