

# SHOWOPC

## SHOWOPC test utility

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### Description

**SHOWOPC** utility enables displaying the accessible OPC DA and OPC HDA servers on a local or remote computer. It tests the functionality of the remote DCOM access to OPC servers.

### Parameters

Parameters of the command line:

```
showopc [ComputerName|IP_Address] [-DA1|-DA2|-DA3|-HDA1] [-?]
```

Description of parameters:

Parameter	Description
ComputerName IP_Address	Name or IP address of the remote computer. If the parameter is not being used, the OPC servers will search on the local computer.
-DA1 -DA2 -DA3 -HDA1	Required type of searched OPC servers. DA1: OPC DA (Data Access) server 1.X specification, DA2: OPC DA 2.X (2.0-2.05A) specification, DA3: OPC DA 3.X specification, HDA1: OPC HDA (Historical Data Access) 1.20 specification. Implicit value, if the parameter is not written, is DA2.
?	Shows a brief help.

### Data listing

This is an example of data listing, successfully obtained, about OPC DA 2.X servers on the local computer (utility was started without parameters):

```
%D2000-I-OPC DA 2.xx Servers list on '127.0.0.1':  
%D2000-I-----  
%D2000-I-ProgID: 'Ipesoft.D2000.OPCServer.Local.1'  
%D2000-I-UserType: 'Ipesoft D2000 OPC server - Ipesoft.D2000.OPCServer.Local'  
%D2000-I-GUID: '{A56B23B7-82E6-47A9-8487-3AEC2F8413DF}'  
%D2000-I-----
```

OPC DA 2.X Server with ProgID "Ipesoft.D2000.OPCServer.Local.1" was find. *ProgID* is the name of the OPC server, which should be used at configuration of D2000 communication line of "OPC Client" type, tab "OPC", input field "Server".

### Solving problems

- Error reporting *IOPCServerList2:GetClassDetails, Class not registered.*

```
%D2000-E-COM/OPC error 80040154H on IOPCServerList2:GetClassDetails, Error string : Class not registered
```

**SHOWOPC** utility uses the services of class *IOPCServerList2* of OPC Server Browser OPCENUM. OPC Server Browser OPCENUM is a part of the installation of "OPC Core Components Redistributable", which is available on <http://www.opcfoundation.org/>. Usually, it is the part of the installation of the OPC server. Check if the windows service "OPCENUM" is initialized.

- Error reporting *E\_ACCESSDENIED: Access is denied.*

```
%D2000-E-COM/OPC error 80070005H on CoCreateInstanceEx, Error string : E_ACCESSDENIED: Access is denied.
```

Insufficient access rights to the remote computer. For more information see [this document](#).

### Document revision

- Ver. 1.0 – November 30, 2009 – Document creating.



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