

# Wonderware and the SST-DHP-PCI Card on Windows 7

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**This document applies to Wonderware and the SST-DHP-PCI Card on Windows 7.**

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# Wonderware and the SST-DHP-PCI card on Windows 7

## Topic overview

Wonderware has no IO Servers that support the SST-DHP-PCI card under Windows 7. To communicate DH+ in a Windows 7 environment will require the use of OPC. This technical note will describe how to setup the FSGateway to work with the SD DHP OPC Server.

**Note: This is only for Windows 7 32-bit**

## About this Technical Note

This note explains how to:

- Setup the FSGateway
- Connect to the FSGateway and the SD DHP OPC Server with the WW Client

## This Technical Note assumes that:

- You're familiar with SST-DHP-PCI cards and Wonderware's InTouch software
- You're familiar with Windows 7 operating systems and diagnostics tools
- The SD interface card is installed according to the hardware documentation
- The SST AB Software and Wonderware InTouch are successfully installed

## Hardware used

|  |             |
|--|-------------|
| <input checked="" type="checkbox"/> Interface card | SST-DHP-PCI |
| <input checked="" type="checkbox"/> Physical I/O   | N/A         |

## Software used

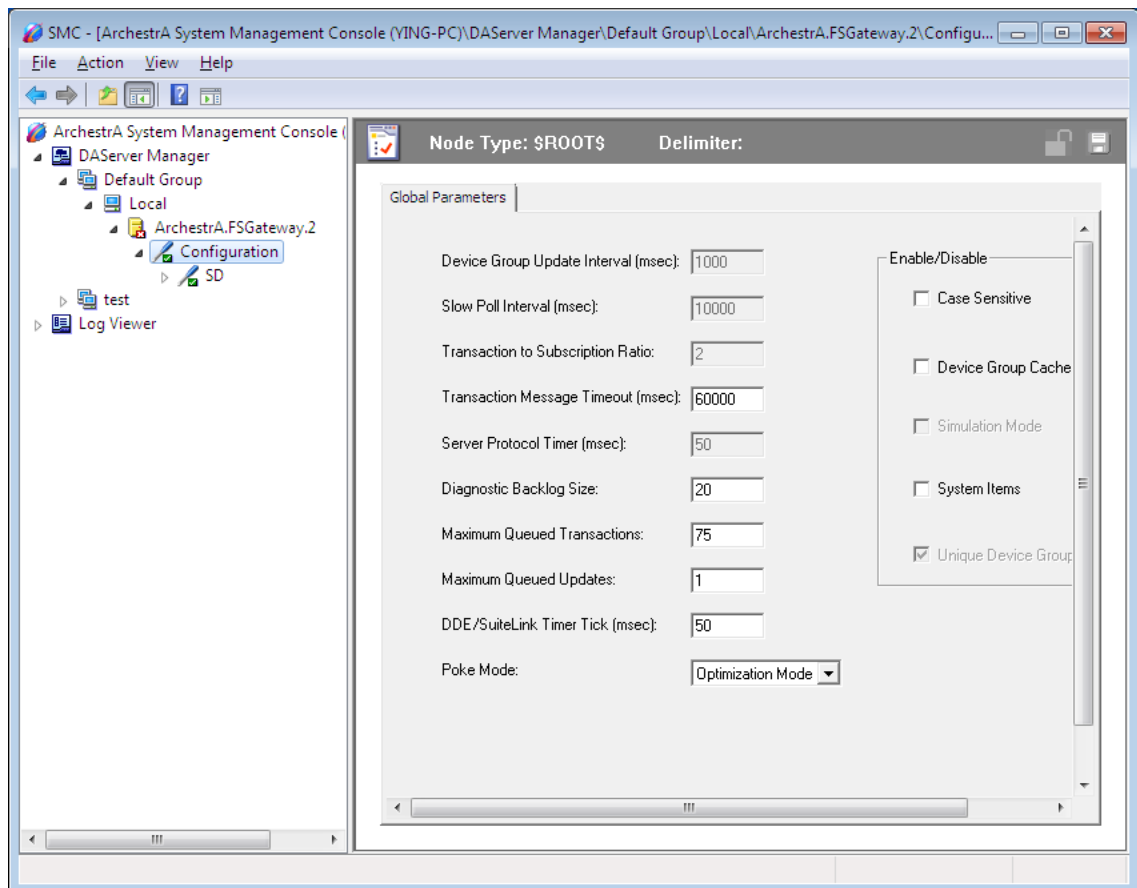
|   |  |
|---|--|
| <input checked="" type="checkbox"/> Operating system  | Windows 7 Professional 32-bit                                      |
| <input checked="" type="checkbox"/> Any other software required<br>(network configuration software) | Wonderware InTouch<br>SST SD Products Install, v3.0.1.0 or higher. |

## Recommended reading

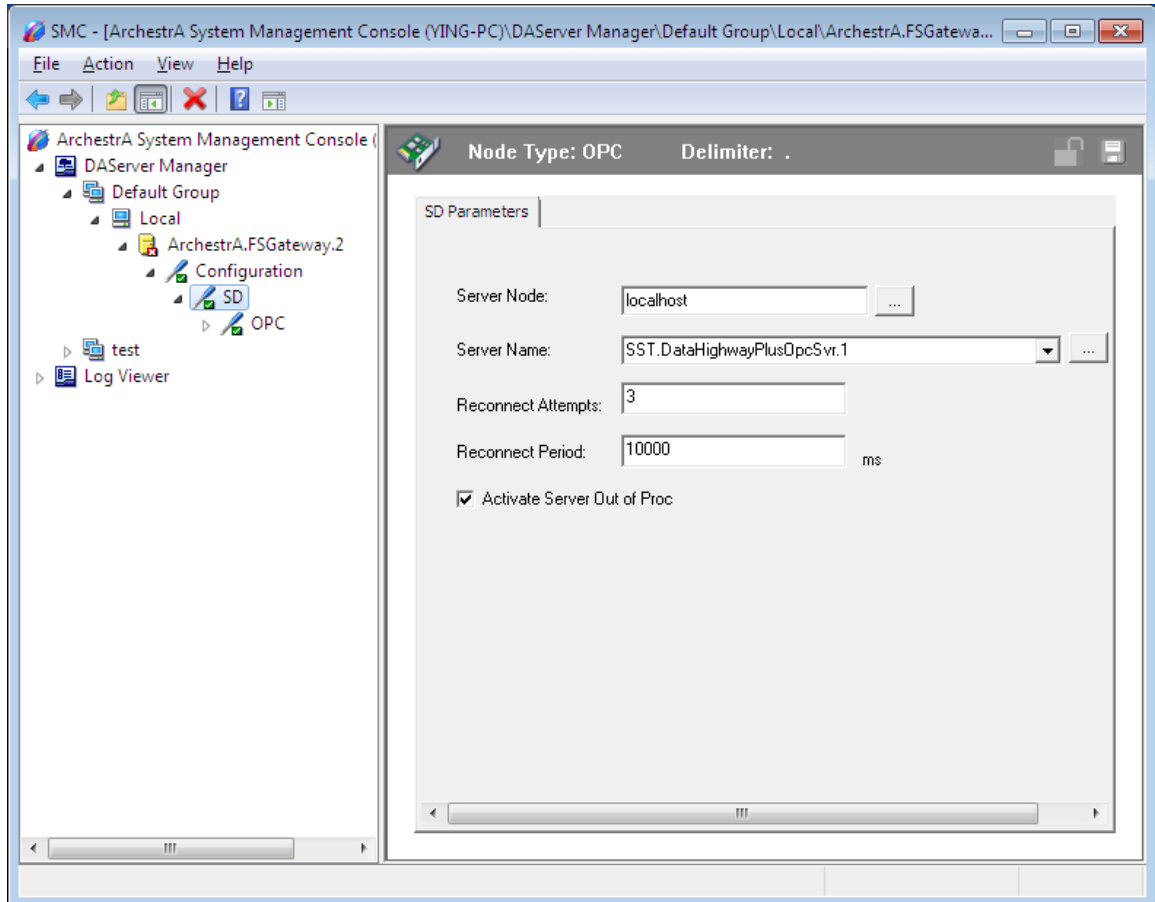
- SST-DHP-PCI Hardware Reference Guide

## Procedure

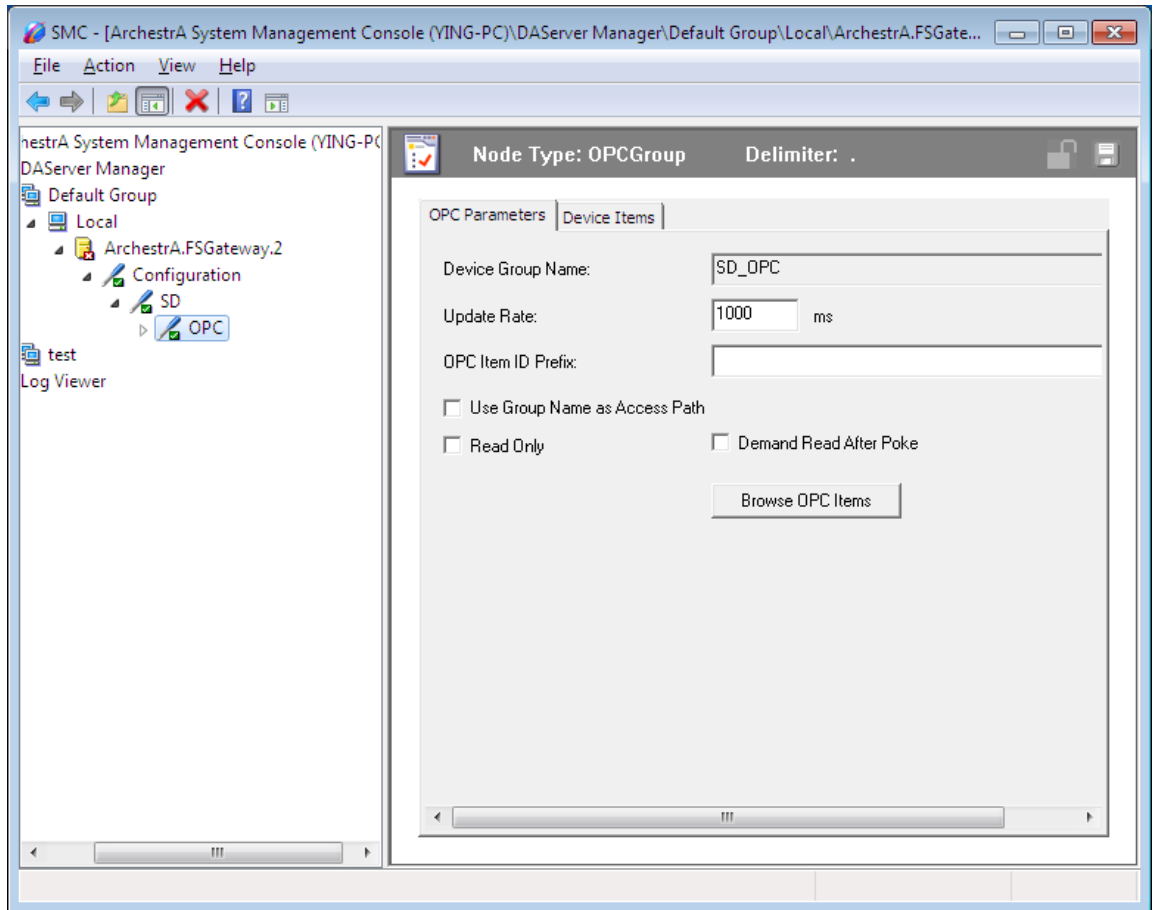
1. Launch the Wonderware System Management Console
2. Add *New Node Group* under DAServer Manager (or use the Default Group)
3. Add *New Node* (e.g. Local) under the Node Group created in step 2
4. Deactivate the *Archestra.FSGateway.2* server under Local (right click on the drop down menu)
5. Add *OPC Object* (named SD) by right clicking on the Configuration under Archestra.FSGateway.2



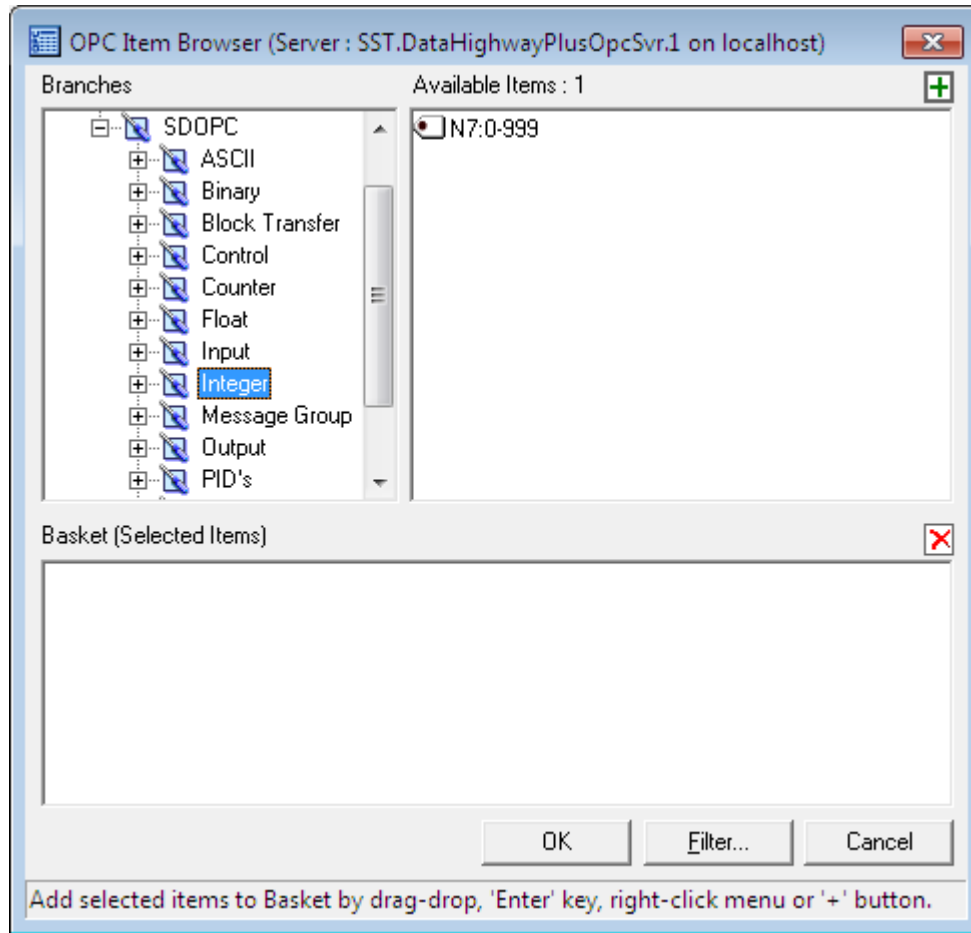
6. Configure the OPC Object with the following:



7. Add *OPCGroup Object* as following:



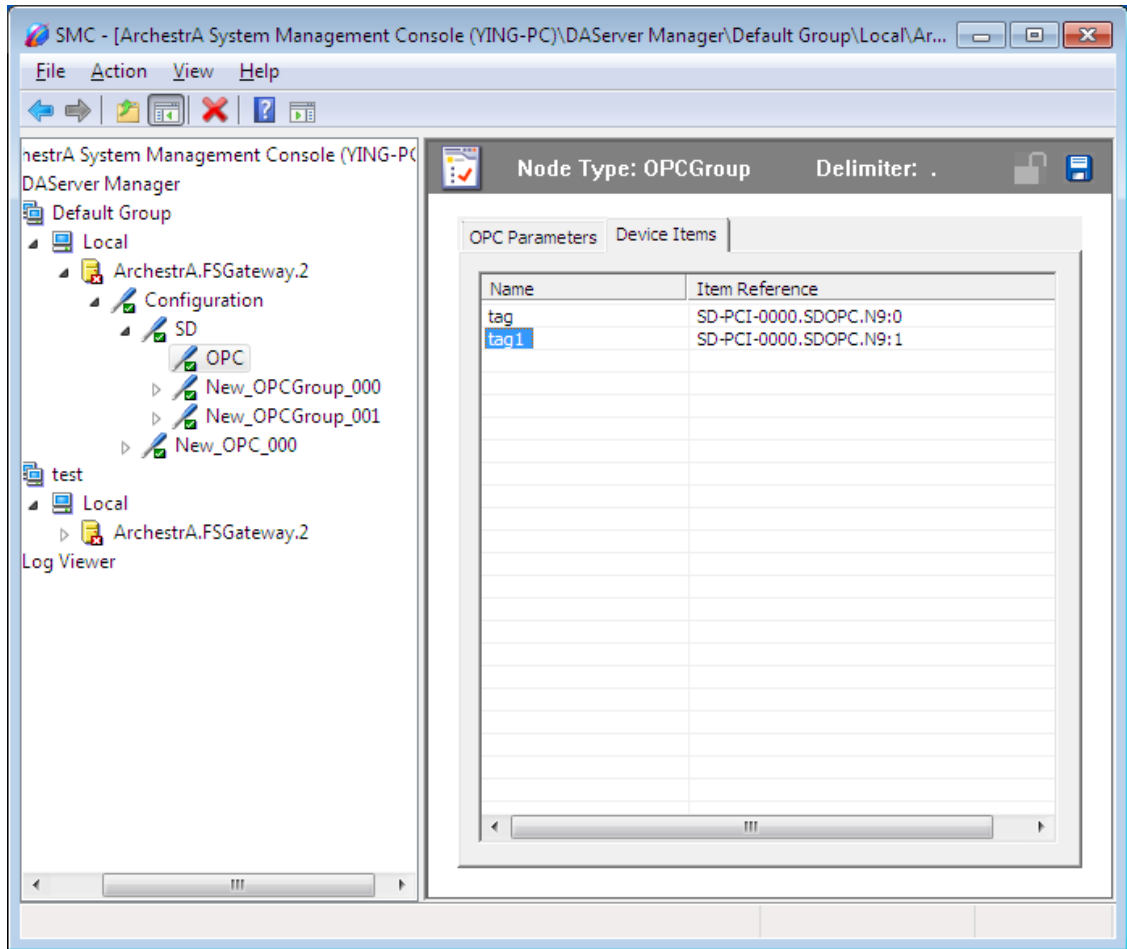
8. Click *Browse OPC Items* button to add OPC items:



9. Click on the *Device Items* tab in the OPCGroup configuration and there should be some items listed



10. Copy the item name from the Name to the Item Reference and rename the item name (if the original name is too long)



11. Save the configuration  
12. Activate the Archestra.FSGateway.2 server under Local (right click on the drop down menu)

13. Launch the Wonderware Client application
14. Select *Create* command from the Connections menu and configure it as following: (the Topic should be the Device Group Name in OPC Group configuration)

The screenshot shows a 'Create Connection' dialog box with the following configuration:

- Node: localhost
- Application: FSGateway
- Topic: SD\_OPC
- Connection Type: IOT (selected)

Buttons: Create, Done

15. Click on *Item* from the WW client menu

16. Enter the item name ( it is the device item name ) or enter the item reference

The screenshot shows a dialog box titled "Item". It contains a "Connections" list box with the text "\\localhost\FSGateway\SD OPC 0x003f4010" selected. Below this is an "Item" section with a text box containing "tag 1" and a dropdown menu set to "Integer". At the bottom is a "Value" text box. On the right side, there is a vertical stack of buttons: Register, Advise, Unadvise, Request, Unregister, Poke, AdviseEx (highlighted with a dashed border), UnadviseEx, and Done.

17. Click on *AdviceEx* button to add items to the client

18. Click on *Poke* button to write data

19. Click *UnadviseEx* button to remove items

## Technical support

Technical support is available during regular business hours by telephone, fax or email from [www.Molex.com](http://www.Molex.com). Documentation and software updates are also available on the Web site.

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