

Tech Note 299

Changing the Server Name for InSQL 7.1, InSQL 8.0, or InSQL 9.0

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Introduction

It is sometimes necessary to rename a server node on the network. The following information explains the operations necessary to rename IndustrialSQL Server versions 7.1 and 8.0 (MS SQL Server 7.0 and 2000) and Historian or InSQL 9.0 (MS SQL Server 2000 and 2005).

Application Versions

- IndustrialSQL Server 7.1 to 8.0
- Wonderware Historian 9.0 and later

InSQL 7.1 (MS SQL Server 7.0)

If you are using MS SQL Server 7.0 (the SQL Server version that comes with InSQL 7.1), you must re-run the MS SQL Server Setup after renaming your IndustrialSQL server node.

The executable file for the setup of MS SQL Server is **autorun.exe** – located at x:\SQL70\ on the InSQL 7.1 CD.

After the Setup is complete, open MS SQL Query Analyzer and execute the following SQL Script. The script updates the tables in the Runtime Database that reference the old computer name.

Before you execute the script, type your new computer name between the single-quotes after **SET @NewName:**

```
USE Runtime
DECLARE @NewName VARCHAR (33)
DECLARE @OldName VARCHAR (33)
SET @NewName = 'NEWCOMPUTERNAME'
SELECT @OldName = ComputerName FROM ServerList
UPDATE StorageNode
SET ComputerName = @NewName
WHERE ComputerName = @OldName
AND StorageNodeKey = 1
UPDATE ServerList
SET ComputerName = @NewName
WHERE ComputerName = @OldName
AND ServerKey = 1
UPDATE InTouchNode
SET MachineName = @NewName
WHERE MachineName = @OldName
UPDATE IOserver
SET ComputerName = @NewName
WHERE ComputerName = @OldName
AND IOserverKey = 1
```

After running the above script the InSQL Server should start properly.

If you have other custom-built tables that reference the old computer name, they will also need to be updated.

InSQL 8.0 and InSQL 9.0

If you are using MS SQL Server 2000 (the SQL Server version that comes with InSQL 8.0 and 9.0) or MS SQL Server 2005 (the SQL Server version that InSQL 9.0 supports), it is not necessary to re-run the MS SQL Server Setup. The new computer name is recognized during the SQL Server startup after reboot.

However, it is necessary to correct the **sys.servers** system table.

Run the following stored procedures against the **Master** database:

```
USE Master
Go
```

```
sp_dropserver <old_name>
Go
sp_addserver <new_name>, 'local'
Go
```

Note: If your original Server Name was InSQL do not run the sp_dropserver stored procedure. Doing so will remove the linked server for InSQL. In this case, run only the sp_addserver procedure to add the new server name to the SysServers table.

Additionally, please note that the MS SQL books online are incomplete with regards to the **sp_addserver** procedure. See #Q303774 for more details.

As with InSQL 7.1, various tables of the InSQL 8.0 or InSQL 9.0 Runtime database must be updated as well.

Run the following SQL Script in Query Analyzer to update the tables in the Runtime Database that reference the old computer name.

Before you execute the script, type your new computer name between the single-quotes after **SET @NewName**.

Note: This script also includes an update to the IODriver table (new to InSQL 8.0), which is not included in the v7.1 script above):

```
USE Runtime
DECLARE @NewName VARCHAR (33)
DECLARE @OldName VARCHAR (33)
SET @NewName = 'NEWCOMPUTERNAME'
SELECT @OldName = ComputerName FROM ServerList
UPDATE StorageNode
SET ComputerName = @NewName
WHERE ComputerName = @OldName
AND StorageNodeKey = 1

UPDATE ServerList
SET ComputerName = @NewName
WHERE ComputerName = @OldName
AND ServerKey = 1
UPDATE InTouchNode
```

```
SET MachineName = @NewName
WHERE MachineName = @OldName
UPDATE IOserver
SET ComputerName = @NewName
WHERE ComputerName = @OldName
AND IOserverKey IN (1,2)
UPDATE IOdriver
SET ComputerName = @NewName
WHERE ComputerName = @OldName
```

After running the above script the Historian/IndustrialSQL Server should start properly.

If you have other custom-built tables that reference the computer name, they will also need to be updated.

To learn more about the **sp_dropserver** and the **sp_addserver** stored procedures (or any of the other stored procedures) included in the previous scripts, consult Microsoft SQL Server Books Online.

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