



Hyper Historian – Moving Existing Historical Data to another Machine



APPLICATION NOTE

June 2017

Description: A guide demonstrating how to move a Hyper Historian configuration and its existing historical data to another computer.

General Requirement: Familiarity with Hyper Historian and Workbench.

Introduction

Hyper Historian supports three different ways to move a configuration and its data from one machine to another. Once the configuration has been migrated, we will copy the .HDD files to their new location.

Moving the Configuration

Choose one of these three options for moving your configuration. You only need to follow the steps in one of the next three sections.

Pack & Go

1. Open Workbench.
2. Verify that the Hyper Historian service is stopped.
3. In the Project Explorer, select your project and click on Pack Project  in the ribbon
4. Follow the wizard to pack your project. For this application note, choose only the Hyper Historian Configuration to be part of the package. Leave the other parameters of the wizard as their defaults.
5. After the packing is done you will see a completed task on the right side of your Workbench in the Recent Task pane.
6. Select the pack task and right click on it. Select Download Package and choose where you'd like to save your .pkgx file.
7. Copy your .pkgx to your target computer.
8. Open up Workbench on your target computer.
9. Select Unpack Project  in the ribbon.
10. In the Package Selection field, choose your .pkgx file. Leave the other parameters at their defaults, then click Next.
11. Verify that Hyper Historian is selected under the applications to unpack.
12. Leave the Display Files section empty and select Unpack.
13. After the unpacking process is finished, verify that your new Hyper Historian Configuration is visible in the Project Explorer.

Export/Import

1. Open Workbench.
2. Expand Historical Data in Project Explorer and select Hyper Historian.
3. Verify that the Hyper Historian service is stopped.
4. Right click on Hyper Historian and choose **Export Sub-Tree** .
5. Leave the export settings at their defaults and click **OK**.
6. After export is finished you will see a completed task in the Recent Tasks pane.
7. Select your export task, right click on it, and select **Download Export File**. Choose where you'd like to save your .csv file.
8. Copy the .csv file to your target computer.
9. Open Workbench on your target computer.
10. Right click on the Hyper Historian configuration and select **Import** .
11. Browse for your .csv file and click **OK**. Leave the other Parameters as their defaults.
12. After the export is complete the tree should refresh. Verify that your new Hyper Historian configuration is visible in the Project Explorer.

Backup/Restore via SQL Management Studio

1. Open up SQL Management Studio and connect to the SQL Server instance where your configuration database is located.
2. Expand **Databases**. Right-click on your Hyper Historian configuration database and select **Task → Back Up...**
3. Leave the settings at their default. Note the backup file location, then and click **OK**.

A Hyper_Historian_Source.bak file will be generated at the specified location, which may something like: C:\Program Files\Microsoft SQL Server\MSSQL12.SQLEXPRESS2014\MSSQL\Backup.
4. Copy the Hyper_Historian_Source.bak file into the same backup location on your target machine.
5. Using SQL Management Studio, and connect to the SQL Server instance where you would like the new configuration to reside.
6. Right click on **Databases** in the Object Explorer and select **Restore Database...**
7. Under Source, select **Device**: and click on .



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8. Click **Add**.
9. Select your Hyper_Historian_Source.bak in the list and click **OK**.
10. Click **OK** again. The source data base will be imported into SQL Server.
11. Open Workbench.
12. Right click on your project in the Project Explorer and select **Configure Application Settings**.
13. In the row for Hyper Historian, select the database that you restored. Make sure to click away from the field when you have finished choosing the database, then click **Apply**. You can close the Application Settings dialog.
14. Verify that your new Hyper Historian Configuration is visible in the Project Explorer.

Moving the HHD Files

The last step is to move your existing historical data from source to the target computer.

Check the Data Store Location specified in your configuration. If nothing is configured in that field, the default location is: C:\ProgramData\ICONICS\HyperHistorian\Data\Data Logger

Note: ProgramData is a hidden folder. You may either need to type the location directly into your address bar or enable showing hidden files and folders.

Move the HHD files from your source computer to the target machine at the same location, or choose a new location but make sure to update the Data Store Location in the configuration. You do not need to attach HHD files that are moved into this location.

Start the Hyper Historian Logger service. If it was already running, stop it and start it again. Your historical data should now be visible to HDA clients like TrendWorX64 Viewer or Data Explorer.