Trend Conversion Utility User Guide

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Important changes are listed in **Document revision history** at the end of this document.

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What is Trend Conversion Utility?

Trend Conversion Utility allows you to convert a large pre-v6.5 trends database (source) to the new trends database structure **before** upgrading the entire system to v8.0. You can run this utility while the source's server application is running.

You have the option of stopping the conversion, then either:

- resuming where it left off, or
- undoing the conversion to remove the conversion data

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Setting up the utility for trend conversion

CAUTIONS Before you begin:

- Back up your system before you run the utility and again before you upgrade the system in SiteBuilder. Make the backup using the database management system's backup method, and also copy the system **webroot** folder.
- Disable trend expiration in your source trend database. In i-Vu® Pro, go to **System Settings** > **Scheduled Tasks**, and uncheck **Remove expired historical trends daily at ___**.

TIP If you have a database administrator monitoring your system, alert them that this process requires additional resources and should consider increasing the database constraints.

1 Enter the **Database Connect String** information for your system's database.

NOTE You must select the appropriate database engine type.

Trend Database Connect String:	
Database Type	Type of database your system uses *
Server	Type one of the following: `localhost` if the utility and the database are on the same machine The name or IP address of the machine that the database is on if different than the utility
Port	Do one of the following: Leave field blank to use the default port Type the port number that the database uses for communication if different than the database default
Instance	The name of the Trend database
Database User:	
Login	The user name for your database engine
Password	The password for your database engine

* If using MySQL, copy the **mysql** driver file from the source system and place it in **Trend_Conversion_Utility_v8.0\database-drivers**.

If using an SSL connection for your SQL Server database, select **SQLServerWithSSL**.

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2 Click **Connect**.

3 Click one of the following:

Click...	To...
Start	Begin the conversion
Stop	Halt the conversion immediately **TIP** If the Server is getting sluggish, stop the utility and adjust the conversion options
Resume	Continue the conversion where it stopped
Advanced Options > Undo Conversion	Undo any conversion data. **NOTE** The source trend data is not affected.

4 Optional: Limit the system resources used by the utility by selecting one of the **Advanced Options**.

Click...	To...
Utility Priority (page 4)	Assign a higher or lower priority of system resources to the utility than to the system
Simultaneous Conversions (page 4)	Adjust the number of trends being simultaneously convert

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Adjusting the resources used by the utility

Although the utility runs simultaneously with your system, you can adjust the effect the utility has on system resources. Stop the conversion to do either of the following:

- *Prioritize* (page 4) the amount of resources the utility uses
- *Adjust* (page 4) the number of trends converted simultaneously to lessen the impact on system resources

Click **Resume** to allow the utility to resume where it left off.

Prioritizing the utility

To ensure that adequate system resources are available to your system during the conversion, you can assign a higher or lower priority to the conversion utility. The higher the priority, the faster the utility will process, but the less resources your system will have.

1 Under **Advanced Options**, click **Utility Priority**.

2 Select an option.

TIP Select a lower priority if your system's application becomes sluggish.

3 Click **Start** or **Resume**.

NOTES

- When clicking **Resume**, the utility continues processing where it left off when it was stopped.
- If the conversion fails, contact Technical Support.

Adjusting simultaneous trend conversions

To ensure that adequate system resources are available to your system during the conversion, you can adjust the number of trends converted simultaneously. The higher the number of trends converted at the same time, the faster the utility will process.

1 Under **Advanced Options**, click **Simultaneous Conversions**.

2 Select an option.

TIP Select a lower number if your system's application becomes sluggish.

3 Click **Resume**.

NOTES

- When clicking **Resume**, the utility continues processing where it left off when it was stopped.
- If the conversion fails, contact Technical Support.

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Document revision history

Important changes to this document are listed below. Minor changes such as typographical or formatting errors are not listed.

Date	Topic	Change description	Code*
3/11/20	Cover	Updated logo	C-D

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