Khronos

Backfill Utility for FactoryTalk Historian

Start Services Pty Ltd

Overview

The Khronos Historian Backfill Utility extracts information from CitectSCADA® Trend files and exports them to CSV files, FactoryTalk® Historian or OSI PI® Historian.

When deploying a new historian server, this utility allows migration of valuable, historical data from legacy systems into your new platform. Product migration does not necessitate loss of information.

The utility scavenges data from files on disk. This means that it can backfill data from trend files which have been archived and are no longer online to the SCADA system.

The utility allows users to specify various parameters for the data migration including:

- Support for CitectSCADA V5 through V7
- Support for 2-byte and 8-byte trend files
- Support for Periodic and Event trend files

The utility also allows users to pre-analyse their trend files, and generate a CSV file identifying all of the trend tags available in the folder(s) of trend files, and the tag scaling and data sampling intervals associated with each file.

Features at a glance:

- Export to CSV files, FTHSE or OSI PI historians
- Scaling of samples to Raw or Engineering ranges
- Tag renaming from trends to historian points
- High performance, multi-threaded engine
- Compression parameters to reduce the volume of data being imported

Use Cases:

The utility is primarily designed for the migration of historical information when moving to a new historian platform:

- GrainCorp converted a control system from a legacy CitectSCADA system to FactoryTalk View SE. As part of their migration they required the previous five years of trend information to be made available to the new system. By deploying FactoryTalk Historian SE, and backfilling from the archived Citect Trend files, this migration was made seamless and pain-free. Additionally, the site now had their entire trend history available in their new SCADA as online trends instead of offline, archived files.

- BHP Billiton deployed a FactoryTalk Historian to their Olympic Dam facility. The site had been archiving their 27,000 Citect Trend files for over 10 years. As part of a data protection strategy, the utility was used to copy the history from these offline files into FTHSE archives (using offsite virtual servers for performance purposes). The archives were then re-attached to the site's production server, and the entire history was made available to all clients on the network.

Pricing:

The utility costs AUD$2,500 excluding GST for a single-site migration, and cannot be resold or distributed.

Contact us at www.startgroup.com.au for details.