Wonderware and WinCC integration

Real-time and historical data transfer between WinCC and Wonderware.
Expands your WinCC applications:
more data storing capacity for long-time reporting (better tracking, better process development),
better real-time time-stamping,
and more...
Wonderware and WinCC integration

Topics covered:
- Real-time communication between WinCC and Wonderware
- Transferring WinCC historical data to Wonderware Historian
- Displaying Wonderware Historian data on WinCC screens
Real-time communication between WinCC and Wonderware

Wonderware and WinCC integration is based on OPC interface, using WinCC OPC Server (where OPC Server functionality is included in WinCC basic package) and Wonderware FactorySuite Gateway:

To get the runtime data, WinCC application has to be configured as «Operate as OPC Server». 
Transferring WinCC historical data to Wonderware Historian

Siemens SIMATIC Process Historian is used for storing data from WinCC HMI platform. Siemens Process Historian has limited scalability (max 80,000 tags) and limited trending tools, so enabling the availability of stored Siemens Process Historian data in Wonderware Historian could improve the customer WinCC application historical data processing and reporting capabilities (like long-time process data storing/reporting etc.).

Siemens Process Historian provides functionality to read and write data via standard database interfaces, such as ODBC, OLE DB and ADO.NET. Process Historian is accessed directly from the SQL database, so managed data can be exported by using standard SQL Queries (SELECT from ...) or Process Historian tables of process values can be exported in CSV format and then converted to Wonderware Historian Normal CSV File Import format.
Displaying Wonderware Historian data on WinCC screens

WinCC supports the integration of .NET controls, so it is possible to use Wonderware Historian Client Trend control to see Wonderware Historian data on WinCC screens:
Thank you!
Ask more from us.

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