zenon 8.20

Upgrades and new features designed to make life easier

This year's update of the zenon Software Platform once again simplifies project planning and takes the next logical step towards full digital connectivity in industrial and energy automation.

GENERAL IMPROVEMENTS

zenon 8.20 provides many detailed improvements in authorization and authentication. For example, password history and complexity rules now allow security requirements to be fulfilled easily. New drivers in the portfolio include, for example, Euromap 63 interfaces for injection molding machines. Further upgrades to the web engine now support the alarm causes familiar to the editor, while applications run even more robustly overall.

ZENON RUNS ON DOCKER

With the release of zenon 8.20, the software platform now runs on Docker for the first time. With Docker container technology, services and processes are isolated from each other. All the applications and functionalities that zenon needs are composed in a handy package that can be launched from its own file system. In the past, it was possible to store the entire infrastructure centrally, using virtual machines, but it was not always practical due to the resources required. With container technology, specifically Docker, this can be achieved in a way that conserves resources. This increases performance and enables almost limitless scalability. Above all, it saves on

hardware costs, since multiple runtimes can run on one server. The zenon Runtime data is stored on the host system and is therefore permanently available.

PLAN PROJECTS EVEN MORE EFFICIENTLY WITH SMART OBJECTS

With zenon 8.20, users are once again making their projects a little more efficient. The new Smart Objects represent more than just an upgrade of the editor. Smart Objects in zenon are a grouping of related elements such as icons, variables or features. Once created, templates for Smart Objects can be instantiated multiple times in the project. The resulting object instances are assigned the properties defined in the higher-level class (the templates for Smart Objects). All elements and links are generated automatically by zenon and the user can also individually adjust the individual Smart Objects. Because the object orientation is firmly grounded in zenon philosophy, all content can be maintained centrally.

CATEGORIZATION OF EVENTS

To make the Chronological Event List (CEL) more needs-based and more efficient to use, users can now use the categorization function with version 8.20. So far, all events have been output in detail, which could sometimes lead to information overload. From now on, all possible events can be assigned to one or more categories. As a result, only those entries that are relevant for the current application are output. With zenon 8.20, assignments in the zenon Editor can now be edited independently or the list can be expanded to include your own categories. One event can be assigned to several categories. Based on this categorization function, content can be filtered regardless of the language or text display.

FAST FACTS

▸ Easier authorization and authentication
▸ Web Engine supports alarm causes for the zenon Editor
▸ Scale zenon with Docker technology to conserve resources
▸ Save valuable engineering time by using Smart Objects
▸ Categorize events in the CEL and filter them as required

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General improvements	▸ Support for Active Directory structures ▸ Euromap-63 driver ▸ Toyopuc driver for communication with JTEKT/TOYODA TOYOPUC PC10 series controls ▸ Process Gateway enhancements
Web Engine	▸ Update of Authentication and Authorization algorithms ▸ Automatic reconnection after lost connection ▸ Identical substitution rules as with zenon Runtime ▸ Support for alarm causes
zenon on Docker	▸ zenon runs on Docker ▸ Data stored centrally and securely on the host system ▸ Scaling projects to save resources
Smart Objects	▸ Consisting of zenon Logic eand visual elements ▸ Launch instances from templates ▸ Centrally update approved properties
CEL categorization	▸ Categorization of events, only desired entries are output ▸ Project planning for your own categories ▸ No limitations as a result of switching languages
	For more details about zenon 8.20, please refer to the release notes.