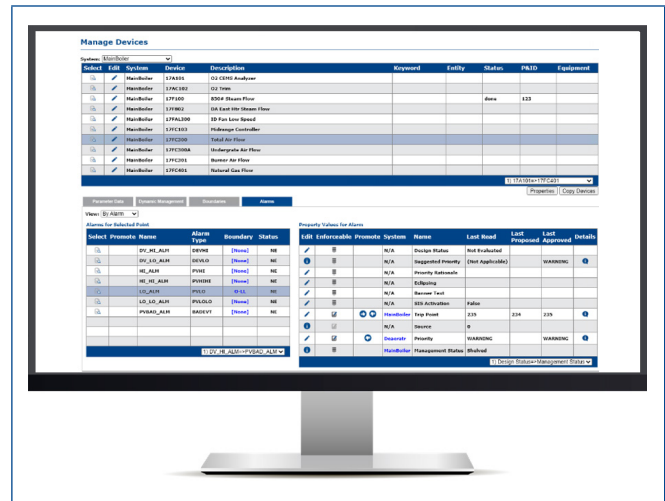


DeltaV™ AgileOps Database

- Online master alarm database
- Rationalization tool for full lifecycle of alarm management
- Automatically identifies alarms from the control system configuration and detects configuration changes in the control system
- Schedule Audit or Enforcement of alarm configuration
- Access to all parameters from the control system
- Compatible with multiple control system platforms
- Compliant with API RP1167, IEC 62682 and ISA 18.2 standards



AgileOps Alarm Settings View.

Introduction

The DeltaV™ AgileOps Database provides a central repository for viewing, configuring, and managing all collected control system data, process boundaries, and alarm design including static or dynamic rationalization. The online database greatly enhances your ability to audit and rationalize alarms by providing a unified view of all control system settings. AgileOps can connect to multiple control systems to allow the user to view and control alarm configuration across the site.

AgileOps is compliant with ISA 18.2, EEMUA 191, IEC 62682, API RP1167, 49CFR192.631 and 49CFR195.446 standards.

Benefits

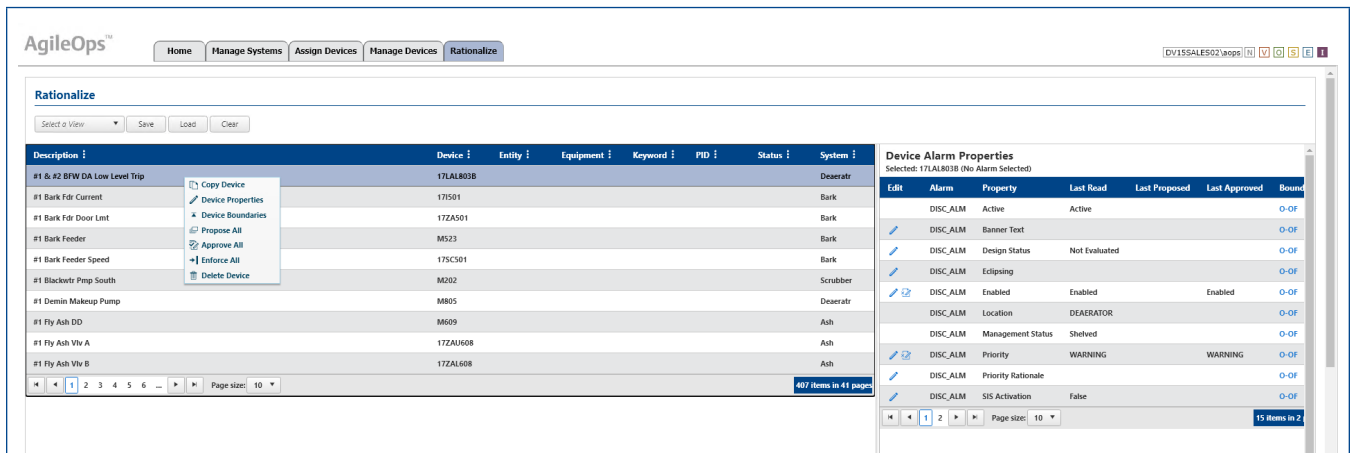
- **Built-in Rationalization Work Processes** – The embedded work process provides a consistent and logical approach to both static and dynamic alarm rationalization by aggregating devices into systems. This allows devices to be logically grouped with unit operations with the ability to define operating states in order to simultaneously execute static and dynamic management during rationalization.
- **Schedule Audit or Enforcement of Alarm and Control Configuration** – AgileOps allows you to schedule audit or enforcement of the runtime configuration against the database values to ensure rationalized data is always loaded to the runtime. Unauthorized changes can be detected via an audit, or directly enforced back to the rationalized configuration in the runtime. Audit and enforcement reports can be viewed locally or via AgileOps Performance Analytics. Any control system parameter can be audited against approved settings.

- Synchronize** – Auto synchronization between the control system and the AgileOps Database prevents stale data or conflicts when viewing the rationalization.
- Comply with Industry Standards** – ISA 18.2 and IEC 62682 require a separate master alarm database for the documentation of rationalization, detailed design, and the implementation stage of the alarm management lifecycle. Standards also require that data stored in the master database is current during management of change. AgileOps’ online database ensures automation of synchronization with the control system and simplifies merges, updates, audits and enforcing updates.
- Configurable Advanced Application Interaction**
 - Contention management works in conjunction with AgileOps Dynamics and AgileOps Alarm Shelving and the enforcement report to ensure that an enforcement does not cause alarm floods or confusion to operations and that operations can always shelve alarms as needed.
- Cybersecurity** – Detect unauthorized or unexpected changes to the control system.
- Concurrently Monitor Software on Multiple Control Systems** – In addition to DeltaV, AgileOps is compatible with many control systems including Ovation™, OpenEnterprise™, Honeywell Experion® and TDC®, Siemens PCS7® and APACS, ABB 800xA, ABB Advant, DOW’s MOD 5, Schneider Foxboro®, TIS/OMM, ClearSCADA/GeoSCADA, and Yokogawa Centum VP, thus delivering a complete solution for an entire site with one or multiple control system manufacturers. AgileOps also offers a generic connector for other systems not listed.

Product Description

AgileOps provides the real-time capability to view the control system configuration, recommend and collaborate on design changes, implement changes in the control system, and audit the configuration versus the design. The online AgileOps Database monitors the control system for changes, detects new and deleted devices and alarms, and drives the work process for rationalizing alarms and control system settings. The system allows users to audit changes to alarms and keep detailed operator and engineer data about the alarm configuration. Based on the information provided, AgileOps will recommend the alarm priority based on the alarm matrix from your site’s alarm philosophy. The web-based (HTML5) solution allows user access without needing to install additional products. AgileOps simplifies pushing rationalized changes to the control system by directly communicating to the control system for changes in bulk or one at a time. This eliminates tedious extraction utilities and reconciliation with an offline database.

The “Manage Devices” view allows a device-by-device configuration and rationalization approach where each alarm can be viewed and rationalized one at a time. The “Rationalization” centered view allows the easy viewing and manipulation of multiple devices or alarms. Views can be saved and recalled which allows a flexible approach to effectively rationalize larger data sets in bigger projects. Any changes made during the rationalization process is tracked and audited. Rationalization progress is also automatically tracked over time and presented in AgileOps Performance Analytics.



AgileOps Rationalization Centered View.

The AgileOps Database allows users to rationalize settings, enforce properties, indicate approved values and suggested revisions, capture causes, consequences and actions and other additional alarm and boundary relevant data. The additional boundary data saved with the alarm is used to justify alarm configuration and assist operations. A consistent approach to alarm priorities is provided by automatically suggesting priority based on a priority matrix. Boundary limits allow alarm trip point justification and verification of trip limits.

Synchronize

Synchronize continuously browses the control system to discover new or deleted items, and automatically detects devices and their associated alarms. Any changes will be flagged, and the user has the option to approve or reject the change. This provides a verification of the management of change process. Any unexpected changes to the control system are detected (such as additions to the configuration or removal of content) and the appropriate corrective action is taken to correct deviations.

Boundary Management

The AgileOps Database supports effective boundary management, allowing users to customize boundary owners and types. After gathering all of the tags from the control system, AgileOps provides a user-friendly interface to view and manage each tag and edit parameters. While configuring each device, the respective boundaries (operating limits or constraints) can also be defined. Each device in the master alarm database can be assigned to a system. These systems are usually designed around pieces of equipment that operate together such as a furnace, a compressor or a pair of towers that run in tandem. These systems can then be dynamically managed individually through AgileOps Dynamics.

Security

Manage user access in AgileOps for viewing, proposing and approving control system parameter and alarm rationalization changes. User access is restricted to only allow authorized users to access the system. Authorized users are assigned a role such as None, View (View Only), Operate, Supervise or Engineer. The Engineer role is required to approve configuration and the role level required for proposing values can be defined in version 3.FP2 or above.

Product Support

AgileOps Product Support is delivered through Guardian™. Guardian is Emerson's digital platform for addressing the end-to-end lifecycle needs of automation & control software and asset performance management solutions. The Guardian digital experience enables users to quickly connect to product support; securely manage subscriptions; get intuitive views into system health; and explore additional software and services that propel performance.

Requirements

- Hardware Requirements
 - 2.20 GHz 8 core processors
 - 64 GB Ram
 - 512 GB hard drive
- Software Requirements
 - Microsoft SQL Server 2016, 2019, or 2022 with Microsoft Server OS 2016, 2019 or 2022
- Web browser (Microsoft Edge or Chrome)

Ordering Information

DeltaV AgileOps is licensed on a Flexible Subscription Unit (FSU) basis. An FSU is a currency that can be used to access any AgileOps feature licensed on an FSU basis, with each feature requiring its own number of FSUs. The FSU subscription is offered in one-year, three-year, and five-year terms. To purchase, extend, or expand a license, please contact your Emerson Sales Representative.

Related Products

- DeltaV
- DeltaV AgileOps Alarm Shelving
- DeltaV AgileOps Database
- DeltaV AgileOps Dynamics
- DeltaV AgileOps Operational Limits
- DeltaV AgileOps Performance Analytics
- DeltaV AgileOps Safety Integrity
- Ovation

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