



Digital Energy

Intelligent Alarming (IA)

Advanced Alarm Management Modular Application

THE EFFICIENT OPERATION TO MANAGE ALARMS

Renewable energy penetration and intermittency require maximum network capacity and flexibility utilization. As a result, network assets are operating close to their limits, and less time is given to operators to diagnose alarms and launch an effective response. IA processing suppresses nuisance alarms, creating one synthetic alarm and generating a diagnosis indicating the faulty device.

KEY OUTCOMES



Efficient, fast alarm processing

Freedom to focus on what occurred by creating an alarm synthesis and eliminating nuisance alarms

Diagnosis of location for persistent or transient faults

KEY FEATURES



Fully integrated with EMS and DMS

Transparent model-based processing

Knowledge base under user control

OVERVIEW

Built with and for utilities

GE designed and built IA together with utilities in the field. IA has been in operation for many years and manages multiple situations automatically. IA methods (chronicles) is a model based reasoning which ensures fast response, transparency (fully readable logic), adaptability to complex situations, and scalability by users who own and create their methods and rules.

Easy integration with your EMS and DMS

Key interactions:

- Alarm existing application to analyze alarm flow
- Network topology applications to capture network connectivity before and after the event
- SCADA to collect real-time status and measurement.
- Historian to analyze past alarms
- Network model

Customer Profiles

- Transmission System Operations and Planning
- Distribution System Operations and Planning
- Regional Transmission Organizations (RTOs and ISOs)

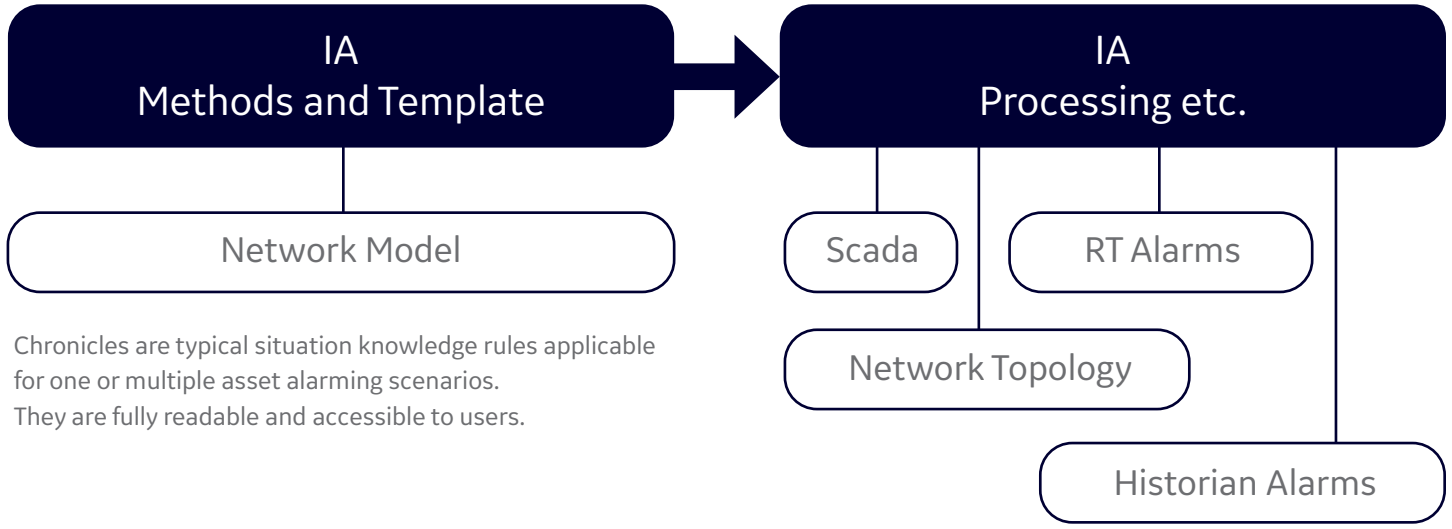
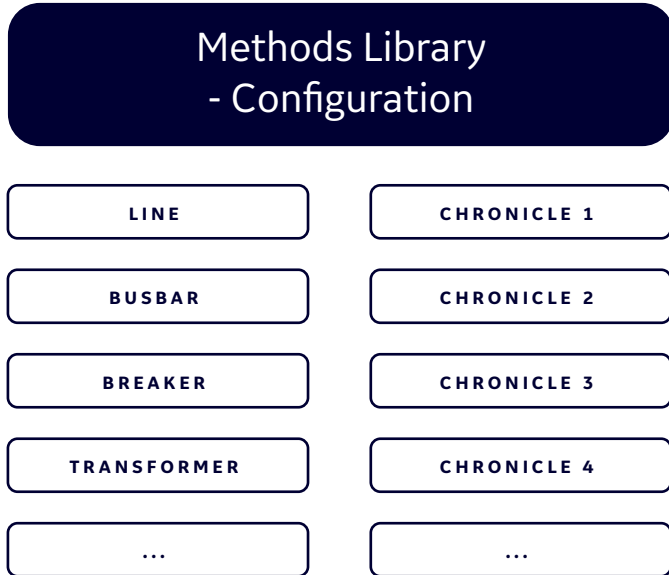


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Off line setting

Real time and Historian



Chronicles are typical situation knowledge rules applicable for one or multiple asset alarming scenarios. They are fully readable and accessible to users.

GE is the world's first Digital Industrial company, harnessing the power of the Industrial Internet to transform power and utility markets.

GE helps power customers, of all sizes, leverage machine data, digital industrial technologies, and analytics.

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