

niagara analytics 2.0

PRODUCT DEFINITION

Niagara Analytics version 2.0 is a data analytics extension to the Niagara Framework® available on Niagara 4 Supervisors and JACE® 8000 controllers. It gives Niagara 4 and JACE 8000 users the ability to apply a variety of analytic algorithms and diagnostics to both historical and real-time data available in Niagara. Users have the ability to discover and mitigate previously unknown operational issues, which helps to maximize their investment in Niagara Framework-based products. Niagara Analytics 2.0 is compatible with Niagara 4 version 4.2 and higher.

JACE 8000 SERIES ORDERING INFORMATION

Part number*	Description
NA-EC-N4-100	Niagara Analytics Framework (on Niagara 4) license for 100 analytic points for an Embedded Controller (JACE 8000)
NA-EC-N4-250	Niagara Analytics Framework (on Niagara 4) license for 250 analytic points for an Embedded Controller (JACE 8000)
NA-EC-N4-500	Niagara Analytics Framework (on Niagara 4) license for 500 analytic points for an Embedded Controller (JACE 8000)
NA-EC-N4-1000	Niagara Analytics Framework (on Niagara 4) license for 1,000 analytic points for an Embedded Controller (JACE 8000)

NIAGARA 4 SUPERVISOR ORDERING INFORMATION

Part number*	Description
NA-S-N4-250	Niagara Analytics Framework (on Niagara 4) license for 250 analytic points for a Supervisor
NA-S-N4-1000	Niagara Analytics Framework (on Niagara 4) license for 1,000 analytic points for a Supervisor
NA-S-N4-2500	Niagara Analytics Framework (on Niagara 4) license for 2,500 analytic points for a Supervisor
NA-S-N4-10000	Niagara Analytics Framework (on Niagara 4) license for 10,000 analytic points for a Supervisor
NA-S-N4-50000	Niagara Analytics Framework (on Niagara 4) license for 50,000 analytic points for a Supervisor
NA-S-N4-100000	Niagara Analytics Framework (on Niagara 4) license for 100,000 analytic points for a Supervisor
NA-S-N4-UNL	Niagara Analytics Framework (on Niagara 4) license for Unlimited analytic points for a Supervisor
TRN-CRS-N4-ANALYT	Training Classroom Session Niagara 4 Analytics Instructor-Led Certification Training. Student must be Niagara 4 certified to attend.

INCLUSION OF ANALYTIC POINTS AS A BASE

Part number*	Description
NA-N4-BASE-25	Niagara Analytics Framework (on Niagara 4) license for 25 analytic points for an Embedded Controller (JACE 8000) or Supervisor. Requires NO additional purchase of SMA (included as part of core Niagara 4 SMA)

KEY ADVANTAGES

- One data model common to Niagara 4
- Ability to leverage Niagara 4 tagging and hierarchies
- Example algorithm libraries with more predefined algorithms
- Data analysis at the onsite JACE controller level
- Wiresheet programming
- Drop-in analytics services
- Real-time on-premise analytic control
- Extensive HTML5 user visualization

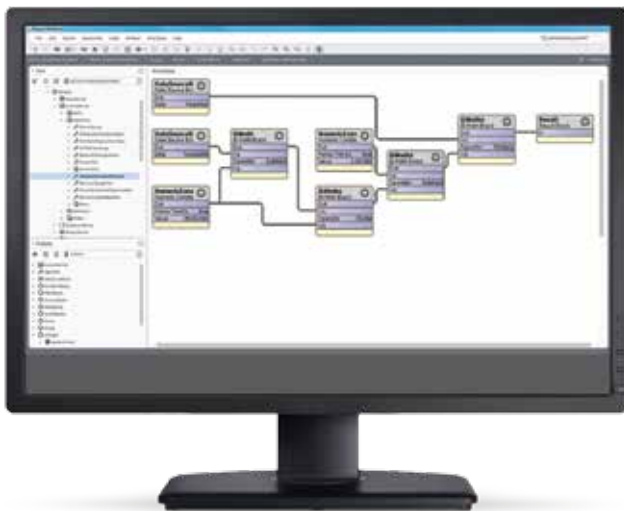
powered by
niagara
framework®

*Effective September 9, 2016

Niagara Analytics 2.0 licenses are conveniently and cost-effectively based on the number of analytical points and do not expire. Niagara 4 includes a Software Maintenance Agreement (SMA) that covers all Niagara Analytics enhancements, adding to the value of the SMA when you invest in Niagara 4.

FEATURES

Component	Description
Data Sources	Components that allow you to target specific data definitions as inputs to logical formulas
Math Objects	Logical blocks that allow you to do simple math using historical or real-time data as parameters
Logic Objects	Allow you to switch an output value based on an input—the If/Then of the Niagara Analytics world
Filters	Remove out-of-range, invalid or bad data from your data set, or filter out a certain time window, day of the week, month in a year, etc.
Strings	Perform String data-based tasks, such as concatenation, replacement or toString functions
Constants	Create Boolean, Numerical, String or Enumerated constants for data comparison—also includes NaN constant for filtering or status evaluation tasks
Miscellaneous	Clearinghouse for other necessary components, such as: DayBuilder, Intersection, IntervalCount, SlidingWindow, ValueMap, Psychometric, Rollup, RelativeTimeRange, ConsumptionToDemand, etc.
Pre-Defined Algorithms	<ul style="list-style-type: none"> • Building Automation Systems (BAS) • Energy Management • Data Center Infrastructure Management (DCIM)



**Discover and mitigate data anomalies
using Niagara Analytics 2.0 algorithms**

Niagara Analytics 2.0 is available through a wide variety of original equipment manufacturers. Our open distribution business model and open protocol support allow a vendor-neutral application compatible with devices and systems throughout the world.

To learn more about how to purchase, install and start using Niagara Analytics 2.0, or if you are an original equipment manufacturer and would like to add Niagara Analytics 2.0 to your suite of offerings, please contact us.



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