

NIAGARA DATA SERVICE™

First release of the niagara
cloud SUITE™

FEATURES OVERVIEW

TRIDIUM 



niagara cloud SUITE™

Niagara Cloud is a scalable Microsoft Azure cloud-based solution that provides secure, remote building management services in accordance with Tridium's model of open and extensible integration with devices, services, and applications.

PREREQUISITES:

- Niagara Framework® ~ Supported Versions
- Active Software Maintenance Agreement



niagara cloud SUITE™ = MAJOR NIAGARA PLATFORM EVOLUTION

BENEFITS:

- **Opens Future Growth Paths**
 - Supports standards
 - Supports partner collaborations

BENEFITS:

- **Removes Budget Obstacles**
 - SaaS: Pay-as-you-Go
 - OpEx, not CapEx
- **Flexibility & Productivity**
 - For the SI
 - For the end-user

BENEFITS:

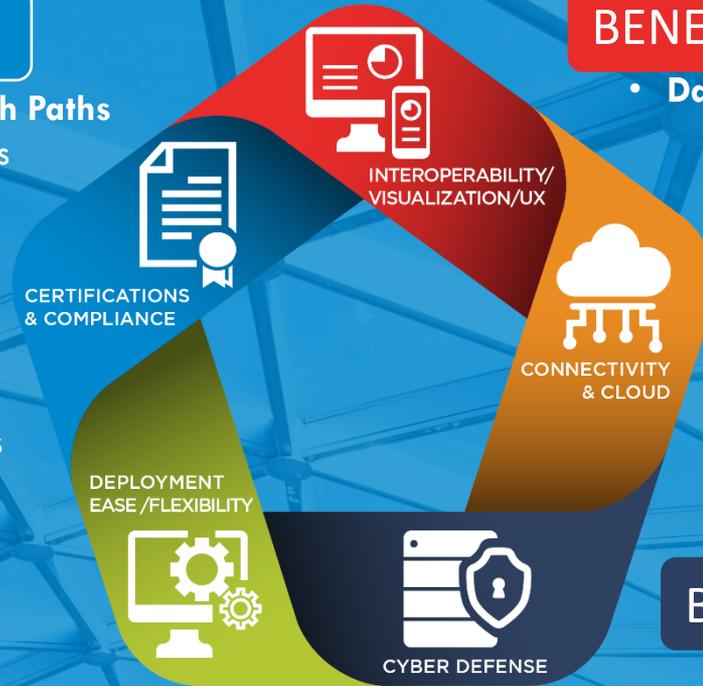
- **Data Interoperability**
 - Moves and stores Niagara Histories = Trend Data Enriched with Tagging
 - Contextualized data is ready for analytics and AI applications

BENEFITS:

- **Connects to Any Customer-Demanded Application**
 - API-First Architecture

BENEFITS:

- **No Add-on Gateways Needed**



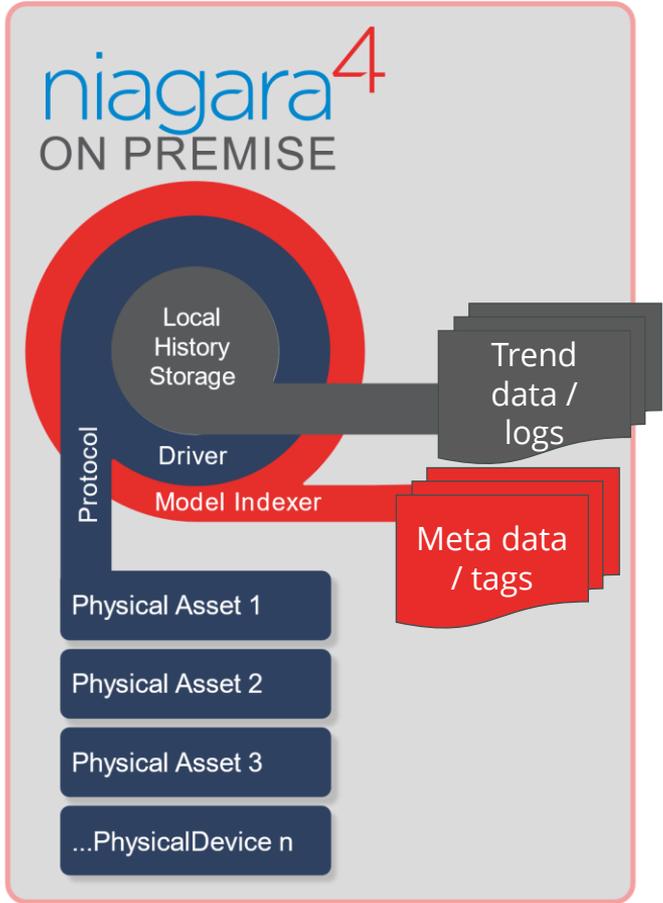
Niagara Framework is always evolving along five dimensions.

niagara
First cloud SUITE Service Available: **NIAGARA DATA SERVICE™**

Notable Niagara Data Service Features:

- API Architecture: Enables easy connection to 3rd-party applications
- Contextualized Data for Trend Analysis — Supports Data Interoperability
- niagara cloud SUITE Management Portal — Enables charting, shareable with customers

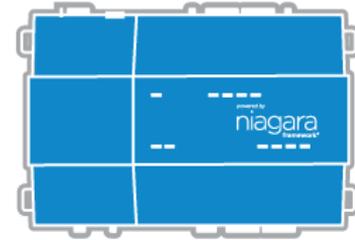
More on these to Come....



NIAGARA DATA SERVICE PREREQUISITES



SUPERVISOR



JACE

Niagara Framework Versions:

- Niagara Long Term Support (LTS) version [4.10]
- Current Feature Version [4.12] when released
- Requires active Software Maintenance Agreement (SMA)

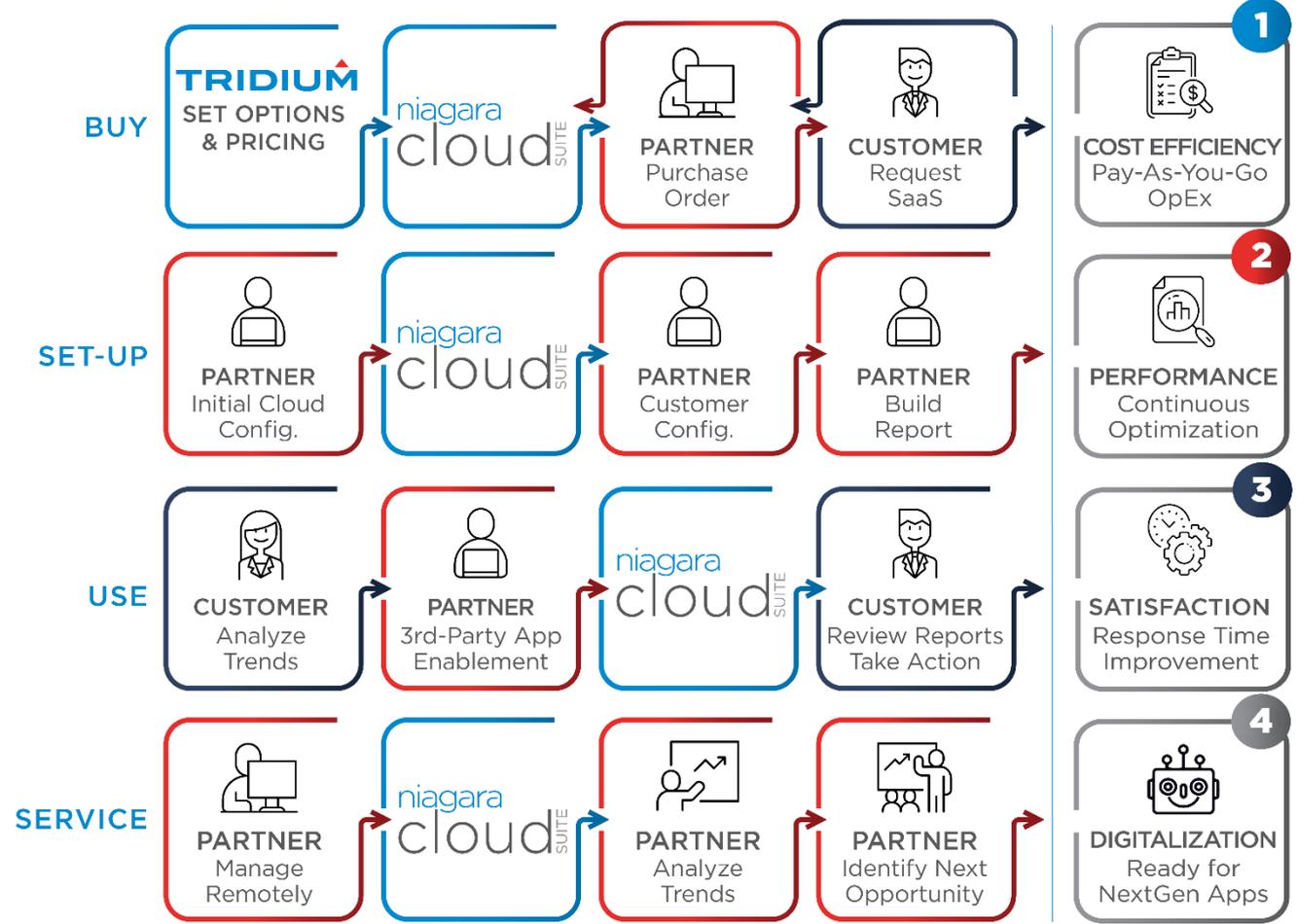
Initial Release to be available in US only

HOW NIAGARA CLOUD SERVICES WILL WORK



NEW SOFTWARE AS A SERVICE PROCESS

BENEFITS



NIAGARA DATA SERVICE ADVANTAGES

Easy integration of a Niagara network with the Niagara Cloud and archived historical data

Automatically detects and sends all historical data OR user can pick and choose which histories to send

Contextualized by the Niagara data model. Tagged data example :
72 [RTU1, degrees, Fahrenheit, Richmond, VA, Outside Air, Building 51]

Automatic configuration of Niagara Archive History Provider (4.12+)

3rd Party applications can access Niagara Data Service via cloud (API)

niagara
cloud SUITE™

NOTABLE FEATURE #1: API Architecture

KEY BENEFITS:

- Built-in **APIs** support secure extraction and import of Niagara data to preferred 3rd-party business intelligence and data modeling tools
- One cloud storage location allowing for multiple third-parties to access Niagara fully contextualized data. **No need for gateways**
- Predefined JSON payloads for cloud export. Saves time. Makes it scalable. Reduces errors.

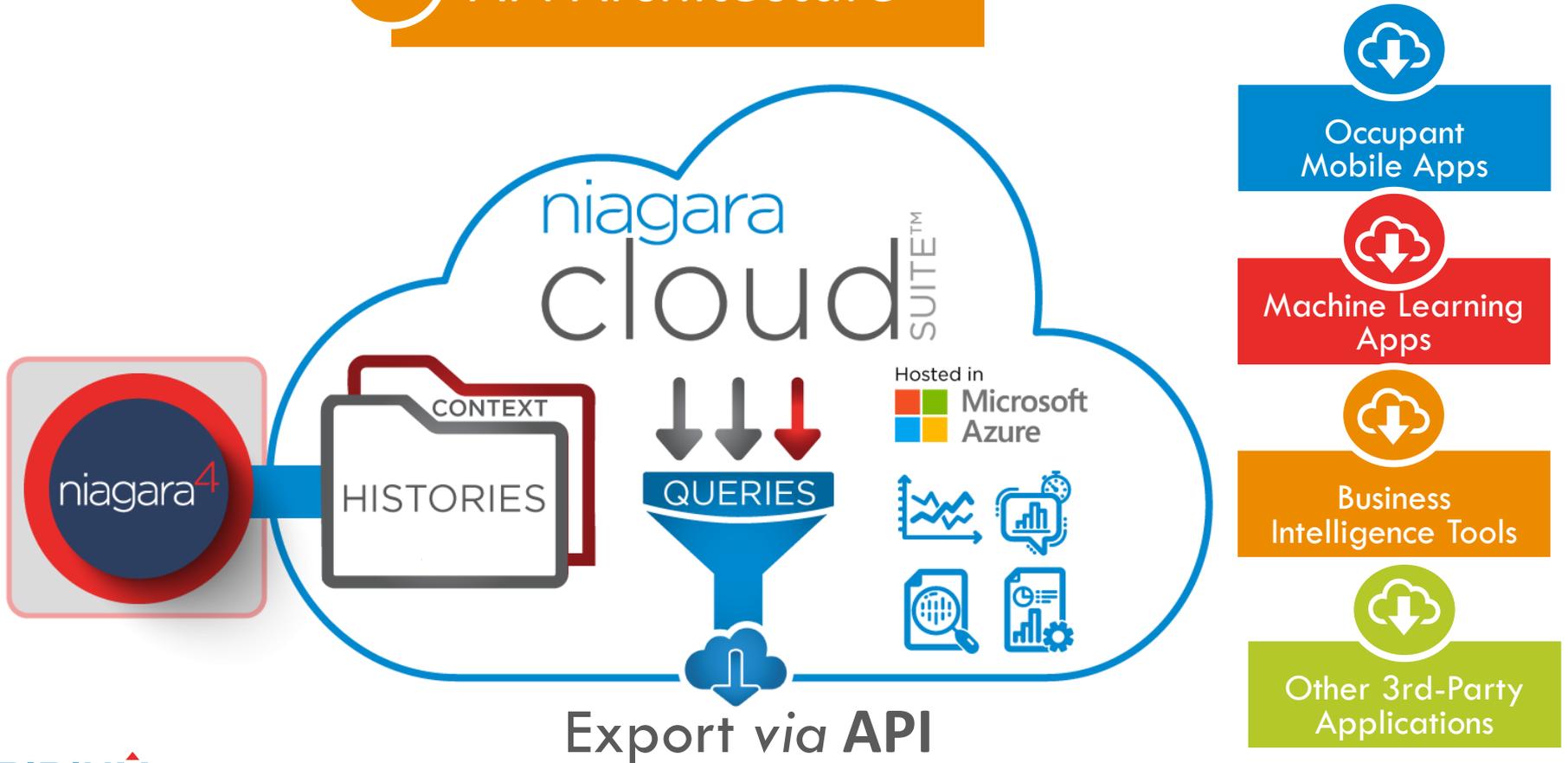


CYBER DEFENSE BENEFIT:

- Addresses most Common IT Objection

More about:

API Architecture



NOTABLE FEATURE #2: Contextualized Data for Trend Analysis

KEY BENEFITS:

Eases Data Normalization and Integration for all Downstream applications

- Upload, store, analyze Niagara histories with model data

Flexibility & Productivity

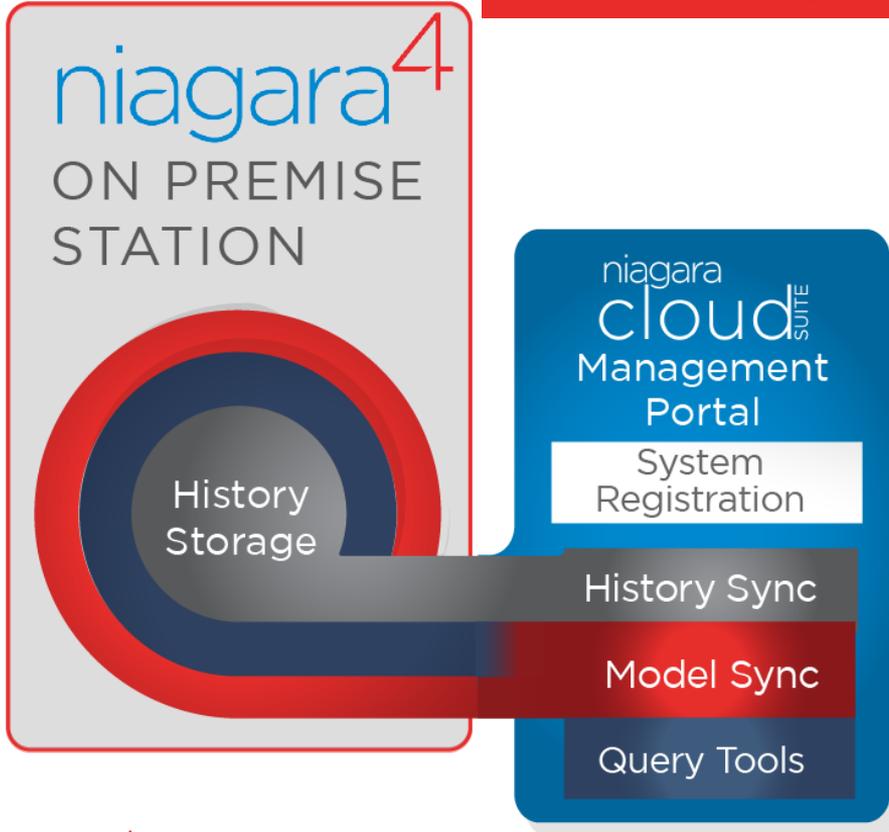
- View histories on-demand from on premise Niagara Station via Station WebChart

Meet Data Ownership Requirements

- Copy of data can be stored locally and managed as archive, up to user's discretion
- Tridium does not own the end user's data

More about:

Contextualized Data for Trend Analysis



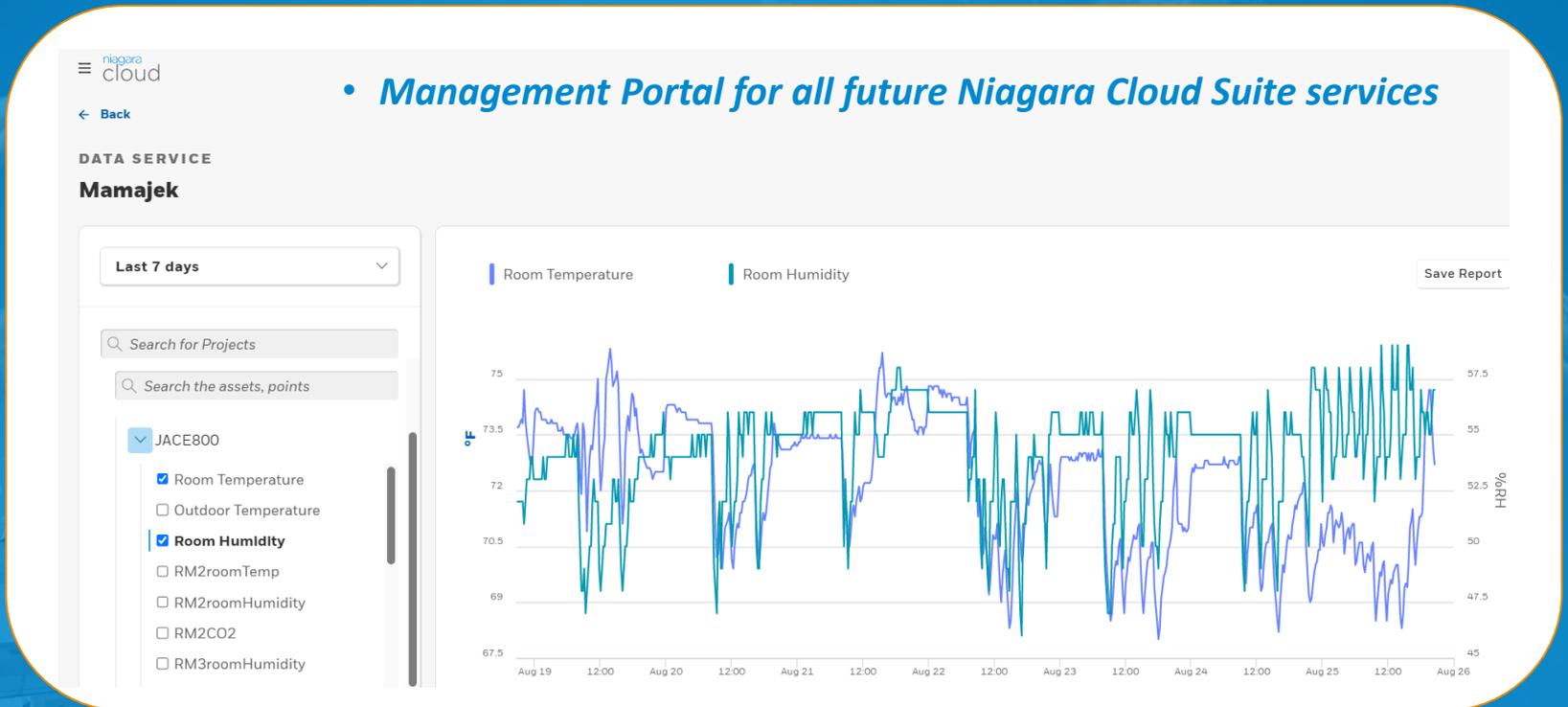
"By pushing operational data from Niagara to the cloud, Tridium has simplified the acquisition and normalization process allowing us to seamlessly integrate our AI-based intelligent building solutions in a fraction of the time."

Jeff Kimmel, CEO of Elipsa, Beta User

NOTABLE FEATURE #3: **niagara** CLOUD SUITE Management Portal

KEY BENEFITS:

- Easy data and subscription management
- Built-in charting, shareable with customers



More about:

niagara cloud SUITE Management Portal

niagara cloud

Craigs Controls

• *Management by customer, by user and by role*

ALL CUSTOMERS

Search

+ Create New Customer

VIDYA

2 Projects | 20 Devices

VIDYA2

0 Projects | 0 Devices

NEERAJ

1 Projects | 0 Devices

CGTEST1

1 Projects | 5 Devices

LOS POLLOS HERMANOS

4 Projects | 2 Devices

TEST_CUSTOMER

1 Projects | 0 Devices

TEST JULY

0 Projects | 0 Devices

TEST-NEW-CUSTOMER

1 Projects | 0 Devices

NIAGARA CLOUD

Home

Users & Roles

niagara cloud

Users and Roles

ALL USERS

1-15 of 19

NAME	EMAIL	ROLE
Nagendra Setty	nagendra.setty@honeywell.com	Partner Admin
Neeraj Bhawsar	neeraj.bhawsar@honeywell.com	Customer User

• *Customer views also supported*

niagara cloud

Back

CUSTOMER

Vidya

PROJECTS (2)

Search Project

All Projects

Vidya-Project

Test

+ Create New Project

ALL PROJECTS

1-15 of 20

DEVICE/HOST ID	PROJECT/LOCATION	SUBSCRIBED SERVICES
mstagedevice1 N4:nscstage:Test-C47F-2A5B-44DC-CAB8	Vidya-Project	Data Service
Test_Host_1 N4:NcsStation0A1:Test-4579-7E72-8CED-985F	Vidya-Project	Data Service
NcsStation3 N4:NcsStation3:Test-41A4-E7E5-F83E-0419	Vidya-Project	Data Service

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• *Credentials consistent with Niagara Community profile*

NIAGARA CLOUD SUITE INTRODUCTORY PRICING

Annual List Price¹
Includes 600 GB

\$12,000/yr

List Data Price/GB²
Overages

\$20

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Based on:

- Query Volume
(Egress)

1. Subscription is per Niagara instance.
2. Data overages allowed at the list price/GB/month per subscription tier after exceeding the annual data egress limit.

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Examples: 5,400 Total Historized Points = 2.5 GB³

3. Assumes 15-minute intervals per history records - data sizing and query requirements of **average** facility in nine industry segments, with histories captured at **4X per hour intervals**

THANK YOU

To learn more about how to purchase and start using the Niagara Data Service, please contact your Tridium account manager or Niagara partner.

NIAGARA DATA SERVICE Architecture

NDS and Supporting Services

