



# niagara Data Service

Leverage Niagara Data in the Cloud

niagara  
cloud SUITE





# niagara cloud SUITE™

*Niagara Cloud is a scalable 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

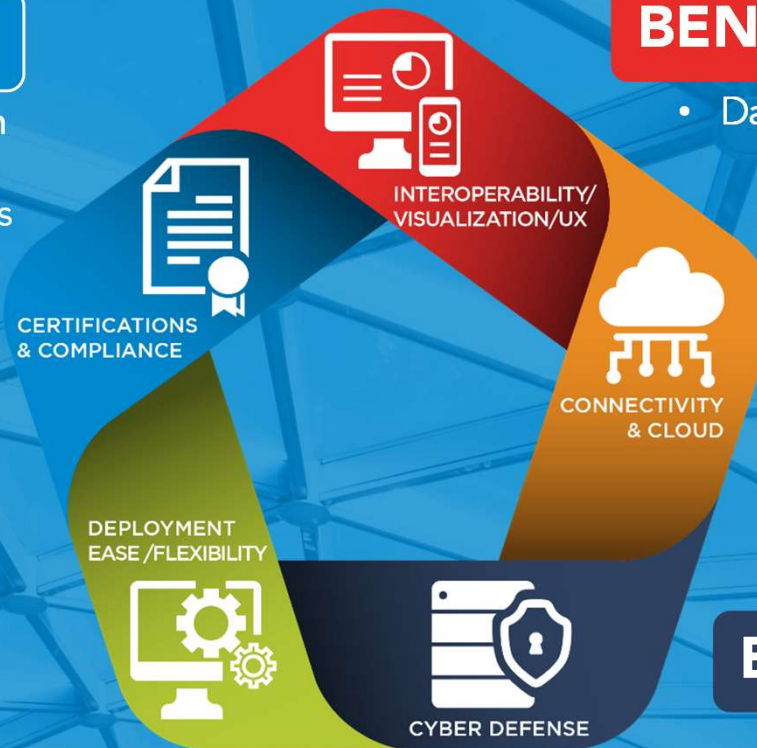
# niagara cloud SUITE™ = MAJOR NIAGARA PLATFORM EVOLUTION

## 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.*

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First **cloud** SUITE

Service Available: **NIAGARA DATA SERVICE™**

*Notable Niagara Data Service Features:*



**API Architecture: Enables easy connection to 3rd-party applications**

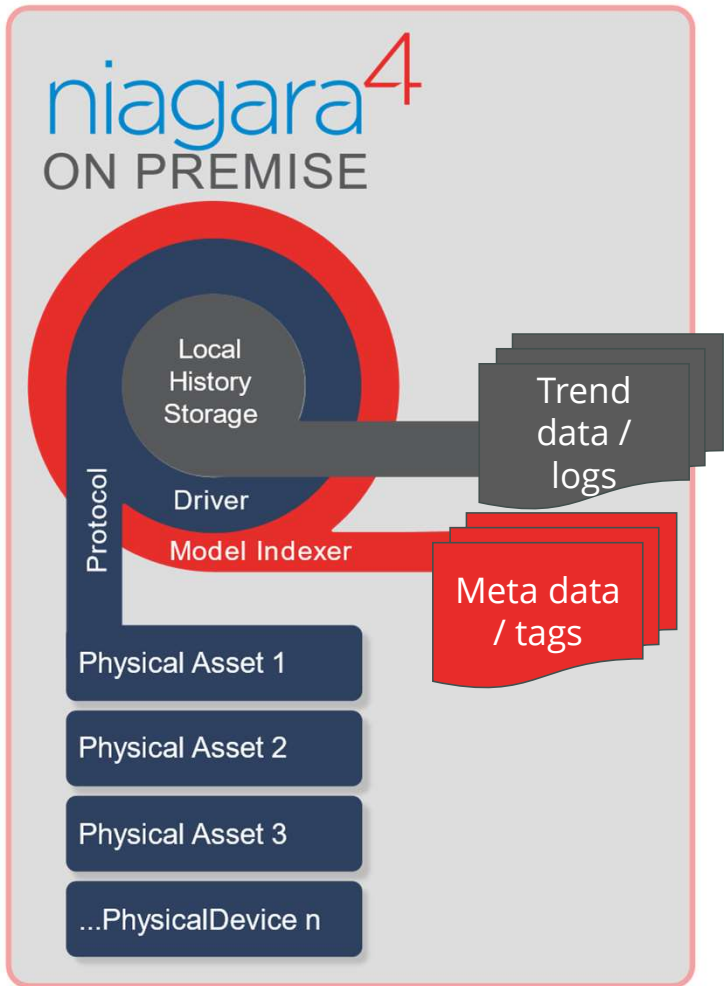


**Contextualized Data for Trend Analysis — Supports Data Interoperability**



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**cloud** SUITE **Management Portal —**  
**Enables charting, shareable with customers**

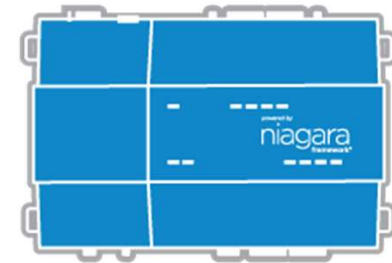
*More on these to Come....*



## 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)

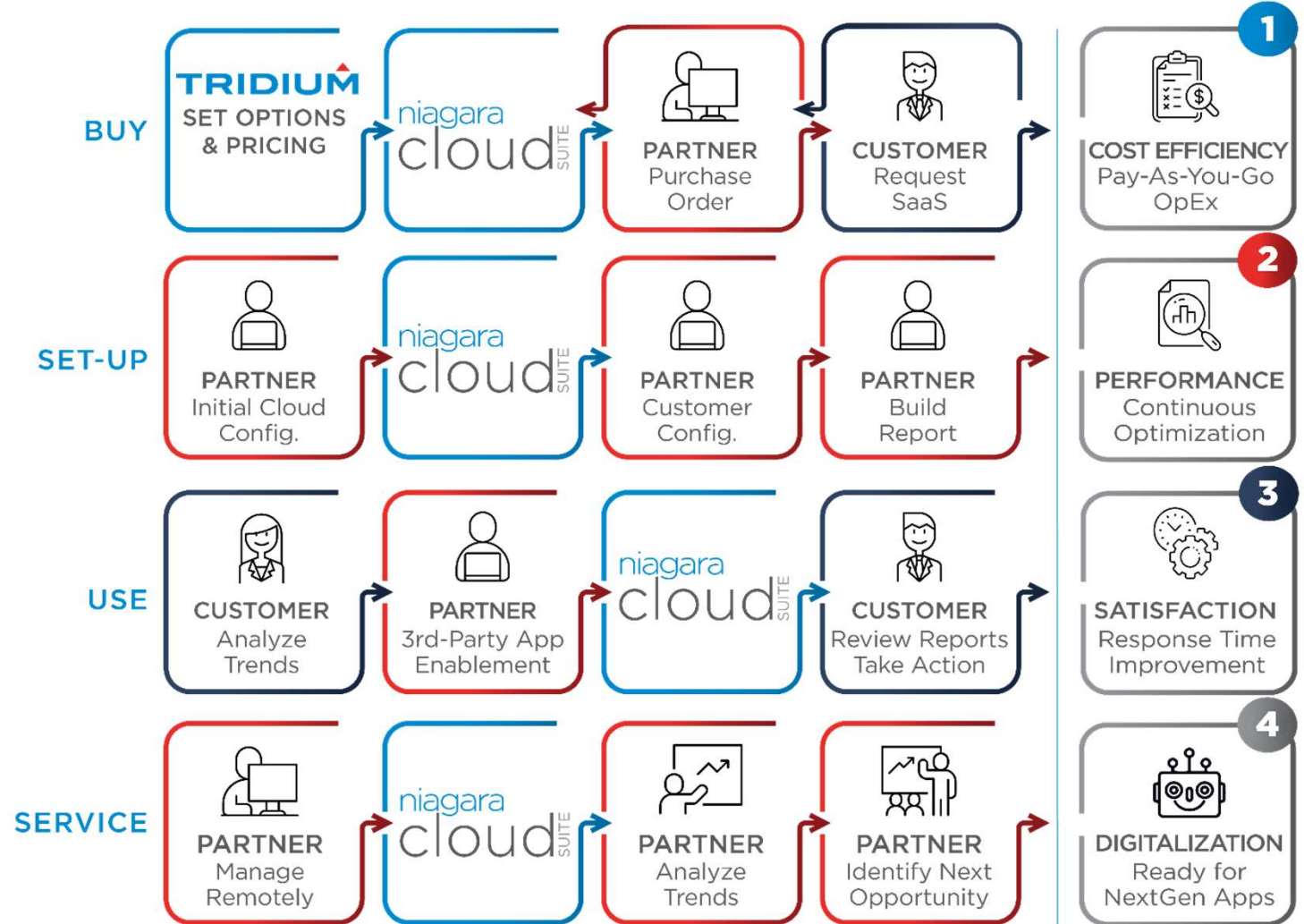
Initial Release to be available in US only

# 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)

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# NOTABLE FEATURE #1: API Architecture

## KEY BENEFITS:

- Built-in APIs support secure extraction and import of Niagara data to preferred 3<sup>rd</sup>-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.



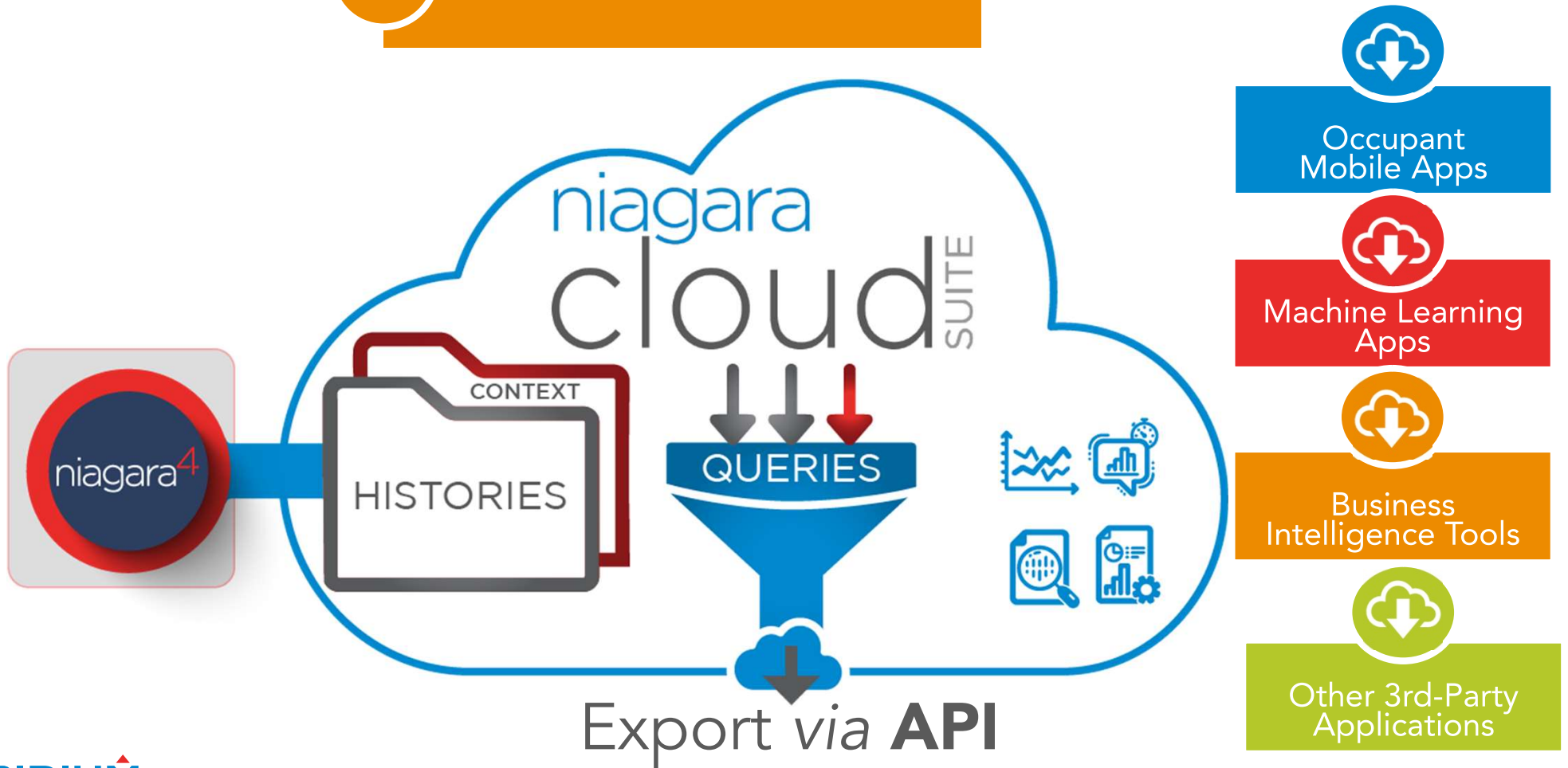
## CYBER DEFENSE BENEFIT:

- 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

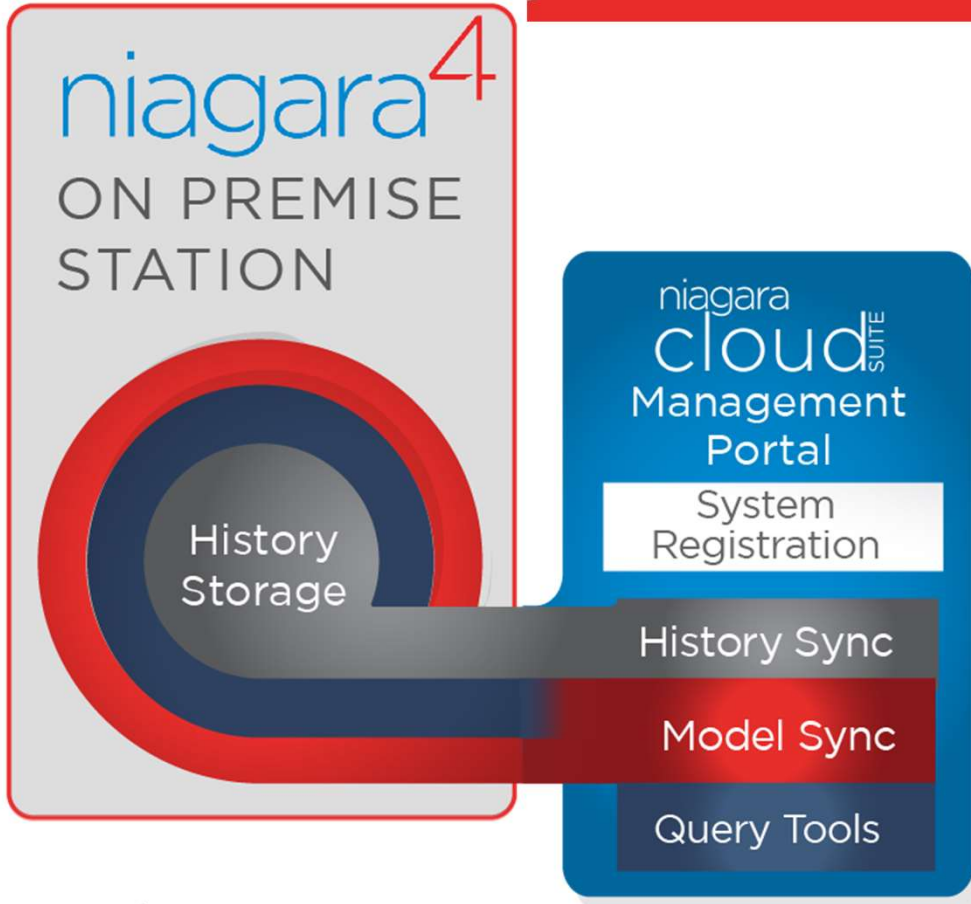
- View histories on-demand from on premise Niagara Station via Station WebChart

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



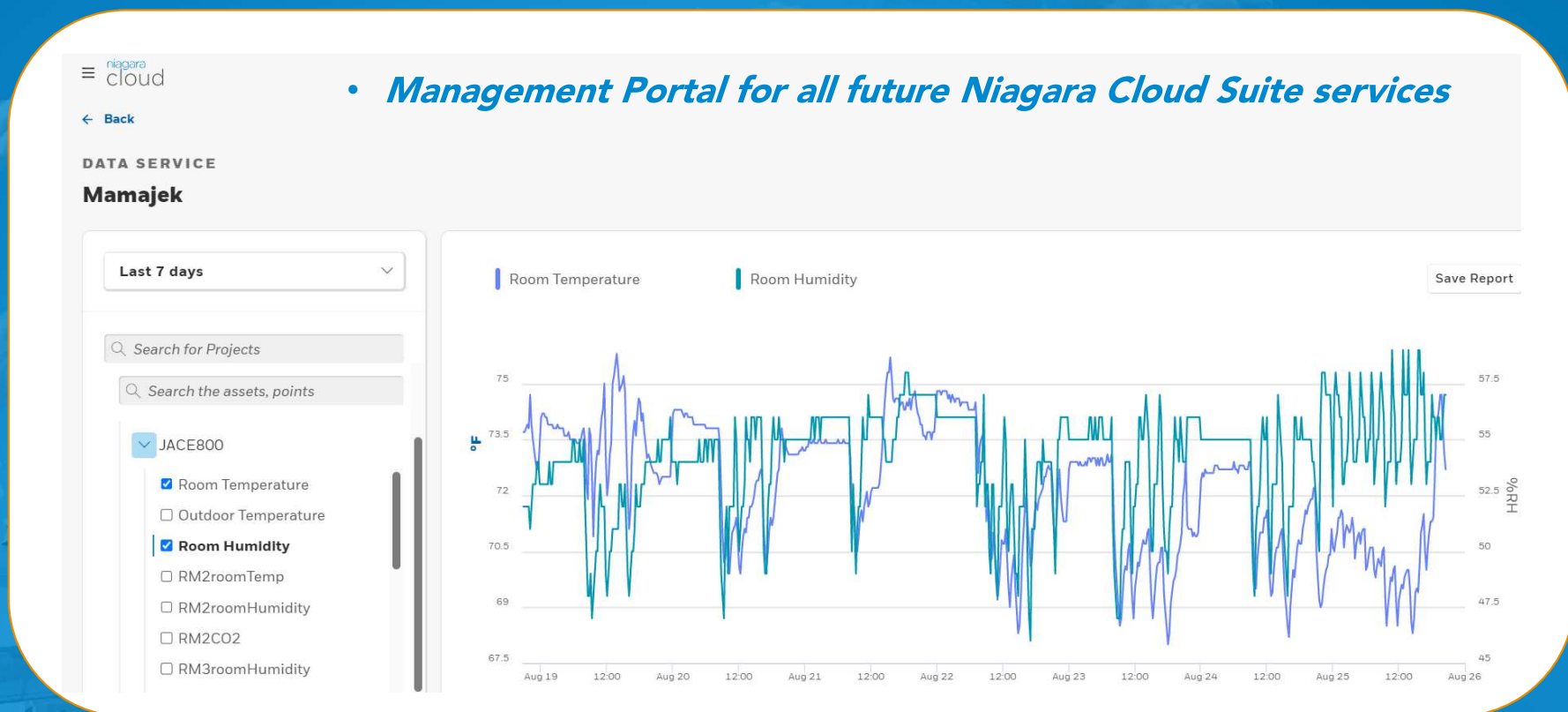
*"By pushing operational data from Niagara to the cloud, Tridium has simplified the acquisition and normalization process allowing us to seamlessly integrate our AI-based intelligent building solutions in a fraction of the time."*

*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

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

**ALL CUSTOMERS**

<b>VIDYA</b> 2 Projects   20 Devices	<b>VIDYA2</b> 0 Projects   0 Devices	<b>NEERAJ</b> 1 Projects   0 Devices	<b>CGTEST1</b> 1 Projects   5 Devices
<b>LOS POLLOS HERMANOS</b> 4 Projects   2 Devices	<b>TEST_CUSTOMER</b> 1 Projects   0 Devices	<b>TEST JULY</b> 0 Projects   0 Devices	<b>TEST-NEW-CUSTOMER</b> 1 Projects   0 Devices

• *Credentials consistent with Niagara Community profile*

**Users and Roles**

**ALL USERS**

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

• *Customer views also supported*

**PROJECTS (2)**

- Vidya-Project
- Test

**ALL PROJECTS**

DEVICE/HOST ID	PROJECT/LOCATION	SUBSCRIBED SERVICES
nssstagedevice1 N4nscstageTst-C47F-2A58-44DC-CAB8	Vidya-Project	Data Service
Test_Host_1 N4NcsStationQA1:Tst-4579-7E72-8CE0-985F	Vidya-Project	Data Service
NcsStation3 N4NcsStation3:Tst-41A4-E7E5-F83E-0419	Vidya-Project	Data Service



***PRODUCT  
DEMO***

The background of the slide is a blue-tinted image of a dense city skyline, likely New York City, viewed from a low angle looking up. The buildings are packed closely together, and the sky is filled with soft, white clouds. The overall color palette is a monochromatic blue, with the text 'PRICING' in white providing a strong contrast.

# ***PRICING***

# NIAGARA CLOUD SUITE INTRODUCTORY PRICING

**Annual List Price<sup>1</sup>**  
Includes 600 GB

**\$12,000/yr**

**List Data Price/GB<sup>2</sup>**  
Overages

**\$20**

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.

## NIAGARA DATA SERVICE |

**Examples: 5,400 Total Historized Points = 2.5 GB<sup>3</sup>**

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**

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Based on:

- Query Volume (Egress)





# 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.*