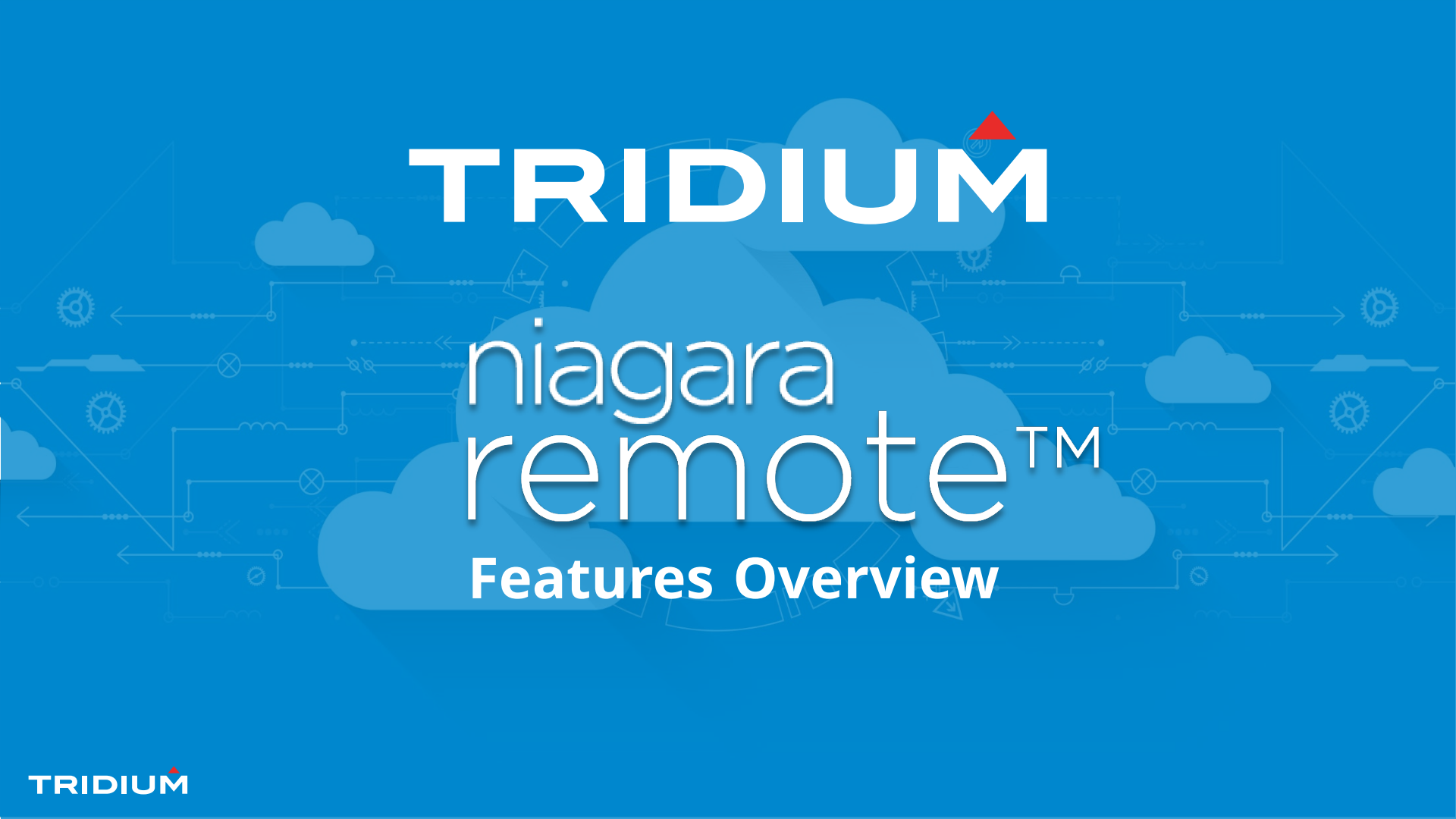




TRIDIUM

niagara
remote™

Features Overview

niagara remote™

***Any Tech,
Any Station,
Anywhere...***



Tridium Confidential – ©2026 by Tridium Inc. All rights reserved.
All items and schedules are subject to change at Tridium's sole discretion. Tridium
has no obligation to deliver any future product outlined in this document.

PART OF NIAGARA CLOUD SUITE™

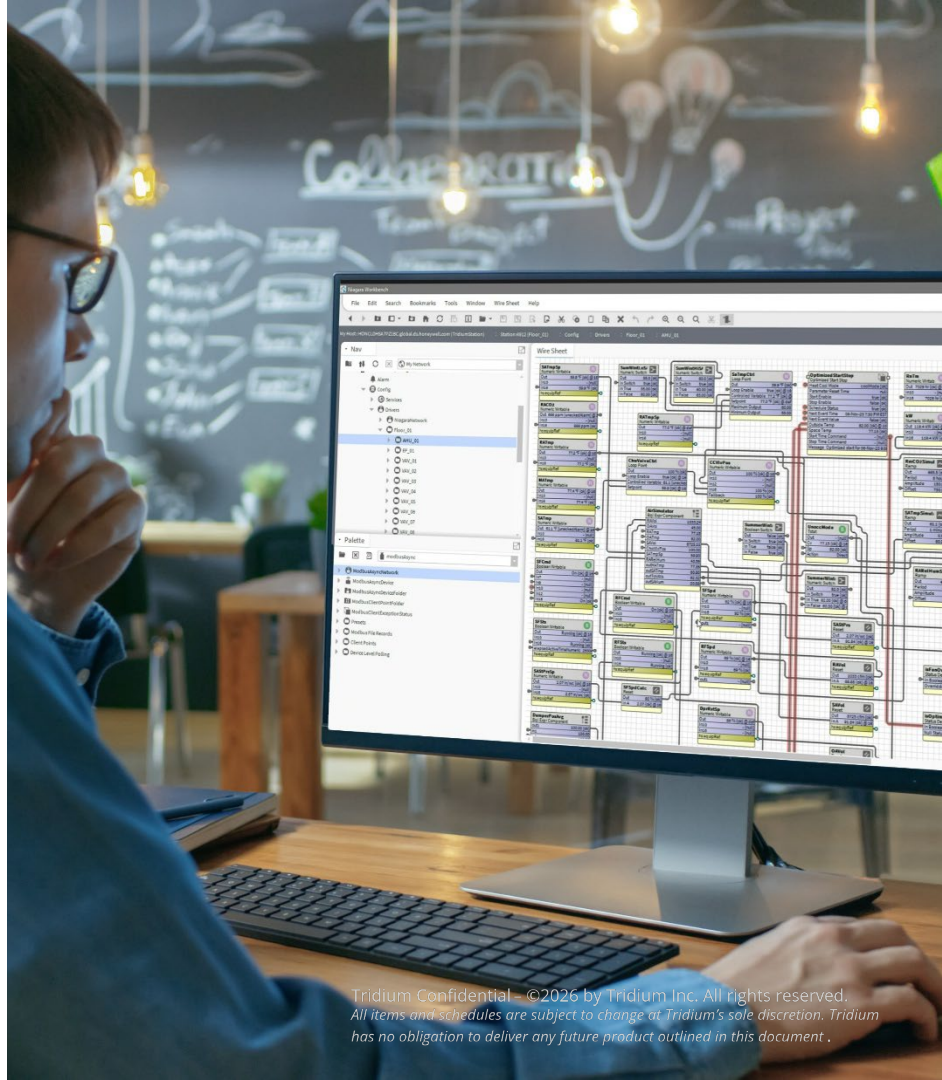
Tridium supports hybrid cloud-on-premises strategies. Add cloud capabilities to your Niagara Framework® deployment when and where you are ready.



WHY NIAGARA REMOTE?

A productivity-enhancing and cost-saving option for the busy Niagara Framework user that needs to:

- Troubleshoot a Niagara deployment
- Do regular engineering and maintenance work
- Access the Niagara UI to check the status of Niagara stations across a Niagara-based network
- Create and edit Px graphics to continuously improve user experience
- Remotely connect to a Niagara station, without a VPN, static IP connection or additional firewall rules.



BENEFITS OF REMOTE ACCESS FOR SERVICE MAINTENANCE BUSINESS

Niagara Partners have realized gains in each of these categories:

- **Improved Efficiency:** Remote monitoring of customer deployments enables faster response times
- **Cost Savings:** Fuel and mileage-related expenses are curtailed
- **Less Disruption:** Issues can be detected and resolved with minimal interruption of customer operations
- **Increased Access:** Service support can be extended to customer properties located at a wider geographical distance



CURRENT RELEASE

Users have web browser-based access to a Niagara-Remote-enabled station from any Internet-connected device.

Designed for enterprise-IT-grade secure-socket connectivity.

Plus, all Niagara Defense-in-Depth features at Supervisory and JACE Levels



The logo for Niagara Remote™ FoxC is displayed within a white cloud shape. The text "niagara remote™" is in a light blue, lowercase sans-serif font, and "FoxC" is in a darker blue, bold, uppercase sans-serif font.

niagara
remote™
FoxC

The text "IN BETA RELEASE" is written in a bold, white, uppercase sans-serif font, centered at the bottom of the blue background.

IN BETA RELEASE

- ❖ To participate in FoxC Beta program you need to be running 4.15u4

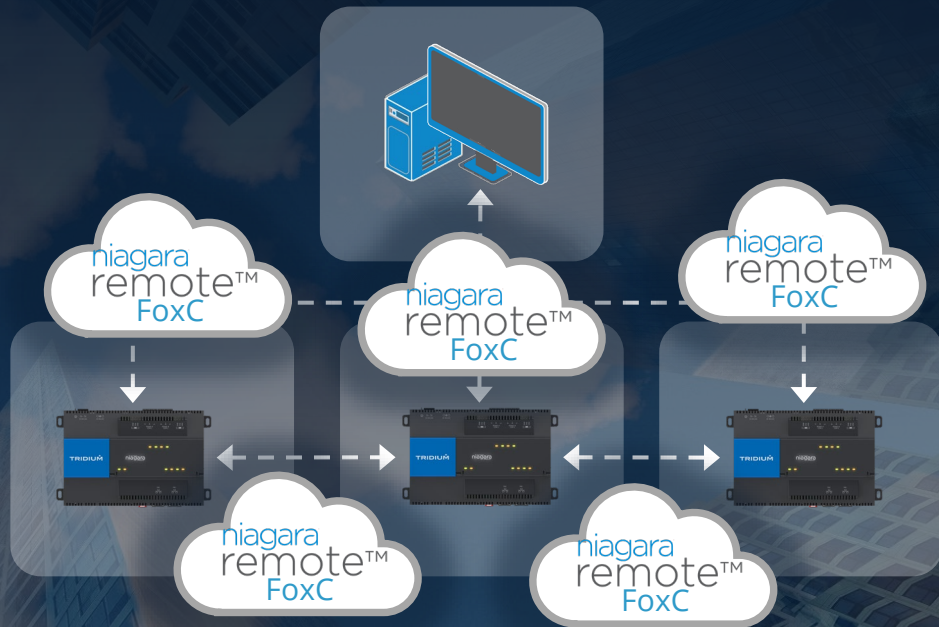
Niagara Remote™ With Fox C

- Seamlessly enable cloud-mediated, secure station-to-station communication between all Niagara Remote™ enabled devices.
- No VPN or static IP connection required.
- Enable one Niagara station to initiate outbound connections to another without inbound firewall rules.
- Can be used to support the communication of points, schedules, histories, alarms among stations

* Beta features are provided for evaluation and may be modified, suspended, or discontinued. Beta features should be used only as permitted under applicable Beta terms.

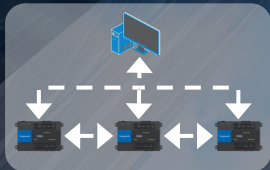
FoxC

STATION-TO-STATION
communication for Niagara devices
located on **DIFFERENT** networks
through **OUTBOUND PORT**
443 WITHOUT requiring a **VPN**
SOLUTION



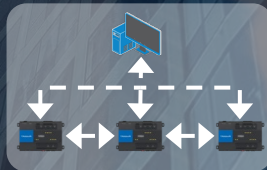
FOXs

STATION-TO-STATION communication for
Niagara devices located on the same network through
PORT 4911



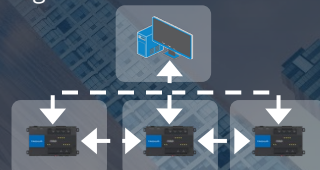
FOXWSS

STATION-TO-STATION communication for
Niagara devices located on the same network through
PORT 443



FOXWSS + VPN

STATION-TO-STATION communication for
Niagara devices located on **DIFFERENT** networks
through **PORT 443 & VPN**



FoxC supports NEW USE CASES



EXAMPLE:
SECURELY
integrate
multi-site Niagara
devices to a
CENTRALIZED
Supervisor
WITHOUT a VPN

FoxC
extends
the **VALUE**
proposition of
NIAGARA for a
wide range of
building & project
types



RETAIL



**INDUSTRY &
WAREHOUSING**



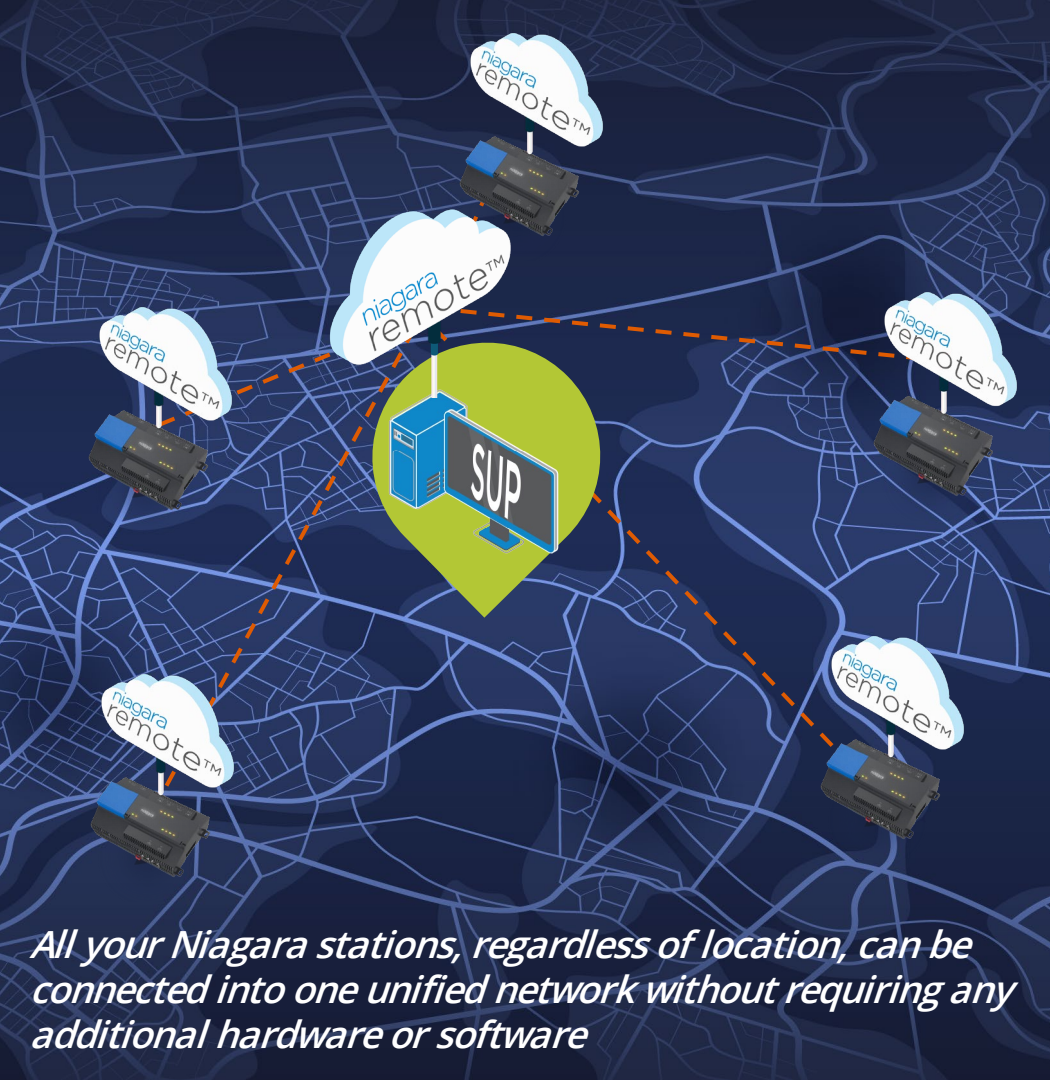
**SCHOOL &
HEALTHCARE**



**DISTRIBUTED
EQUIPMENT**

BENEFITS IN MULTI-SITE PORTFOLIO SCENARIO

- Niagara network is extended over the Internet with security controls
- Bidirectional communication is enabled
- Users can monitor, control, and manage equipment at any location
- Isolated sites become fully integrated parts of your Niagara ecosystem
- No need for complex networking infrastructure with associated costs and cyber risks



All your Niagara stations, regardless of location, can be connected into one unified network without requiring any additional hardware or software

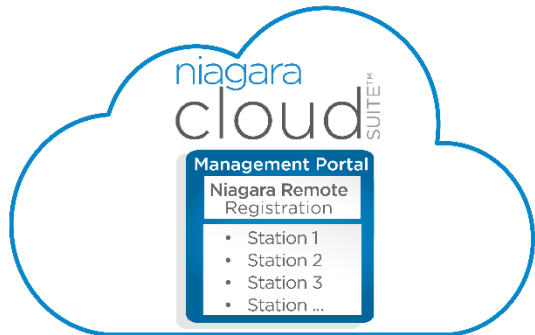
FOR OWNERS OF LARGE, DISTRIBUTED PORTFOLIOS

From a centralized Supervisor hosted in your facility or data center, every Niagara Remote™ enabled site can be part of the same seamless architecture with:

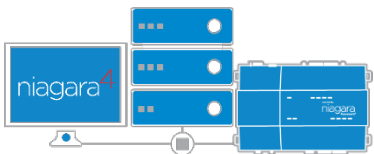
- Consistent management
- Shared data models
- Unified alarms
- Streamlined control strategies

This replaces traditional multi-site integrations and gives you a cleaner, scalable way to operate all your buildings as one system.

HOW NIAGARA REMOTE™ WORKS



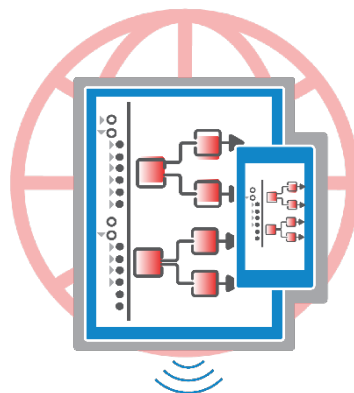
Registration: Subscribers register Niagara Supervisors and JACEs on Niagara Cloud Suite™ management portal.



Connection: Registered stations create a secure, outbound websocket connection on port 443.



Log In: Remote users log into the Management Portal from browser. Upon successful authentication, a remote access session is established over the station's websocket connection.



Work Remotely: Remote users can logon to Niagara Stations and do tasks inside Niagara applications, as if they were using an on-premises Niagara station. Web traffic is securely routed over websocket connection.



Log Out: Remote users log out from each Niagara station accessed during the remote session.

The logo for Niagara Cloud Suite, featuring the word "niagara" in blue lowercase letters, "cloud" in dark grey lowercase letters, and "SUITE™" in dark grey uppercase letters to the right of "cloud".

niagara
cloud SUITE™

Annual subscription
per Niagara Station

NIAGARA REMOTE

Part Name	Description
NCS-REMOTE-SUP	Supervisor-level subscription
NCS-REMOTE	Controller-Level subscription

1. Requires that the deployment is covered by an active Software Maintenance Agreement (SMA) and is running the current Niagara Framework release or the Long-Term Support (LTS) version [4.10]
2. Niagara Reseller partner must sign the Niagara Cloud Suite reseller addendum before they can purchase this service.

NOTE: Availability of cloud services may vary by country or region due to applicable regulatory requirements.

Niagara Remote™
subscriptions can
also be purchased
as a bundle with
Niagara Recover™
when ordered as
part of a Niagara
Software
Maintenance
Agreement.





Data Sheet

niagara
cloud SUITE™

**SMA
BUNDLES**

TRIDIUM

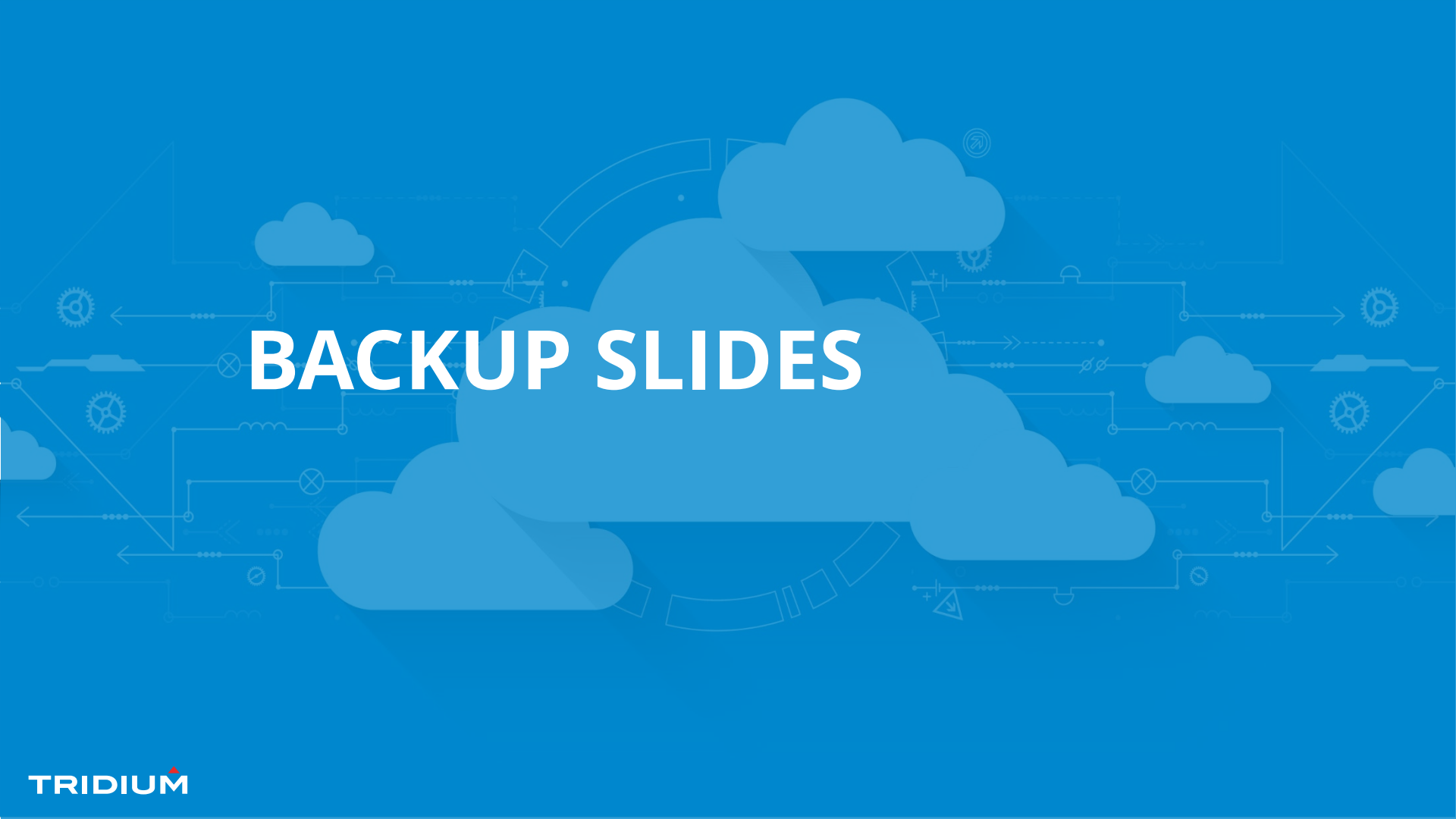
A Niagara Cloud Suite SMA 3- or 5-year subscription bundle includes an active Software Maintenance Agreement, Niagara Recover and Niagara Remote

Part Name	Description
NCS-SMA-8005-[3Y, 5Y]	NCS Recover and Remote [3 year, 5 year] bundle with SMA-8005-[3YR, 5YR] Maintenance
NCS-SMA-8010-[3Y, 5Y]	NCS Recover and Remote [3 year, 5 year] bundle with SMA-8010-[3YR, 5YR] Maintenance
NCS-SMA-8025-[3Y, 5Y]	NCS Recover and Remote [3 year, 5 year] bundle with SMA-8025-[3YR, 5YR] Maintenance
NCS-SMA-8100-[3Y, 5Y]	NCS Recover and Remote [3 year, 5 year] bundle with SMA-8100-[3YR, 5YR] Maintenance
NCS-SMA-8200-[3Y, 5Y]	NCS Recover and Remote [3 year, 5 year] bundle with SMA-8200-[3YR, 5YR] Maintenance
NCS-SMA-9005-[3Y, 5Y]	NCS Recover and Remote [3 year, 5 year] bundle with SMA-9005-[3YR, 5YR] Maintenance
NCS-SMA-9010-[3Y, 5Y]	NCS Recover and Remote [3 year, 5 year] bundle with SMA-9010-[3YR, 5YR] Maintenance
NCS-SMA-9025-[3Y, 5Y]	NCS Recover and Remote [3 year, 5 year] bundle with SMA-9025-[3YR, 5YR] Maintenance
NCS-SMA-9100-[3Y, 5Y]	NCS Recover and Remote [3 year, 5 year] bundle with SMA-9100-[3YR, 5YR] Maintenance
NCS-SMA-9200-[3Y, 5Y]	NCS Recover and Remote [3 year, 5 year] bundle with SMA-9200-[3YR, 5YR] Maintenance

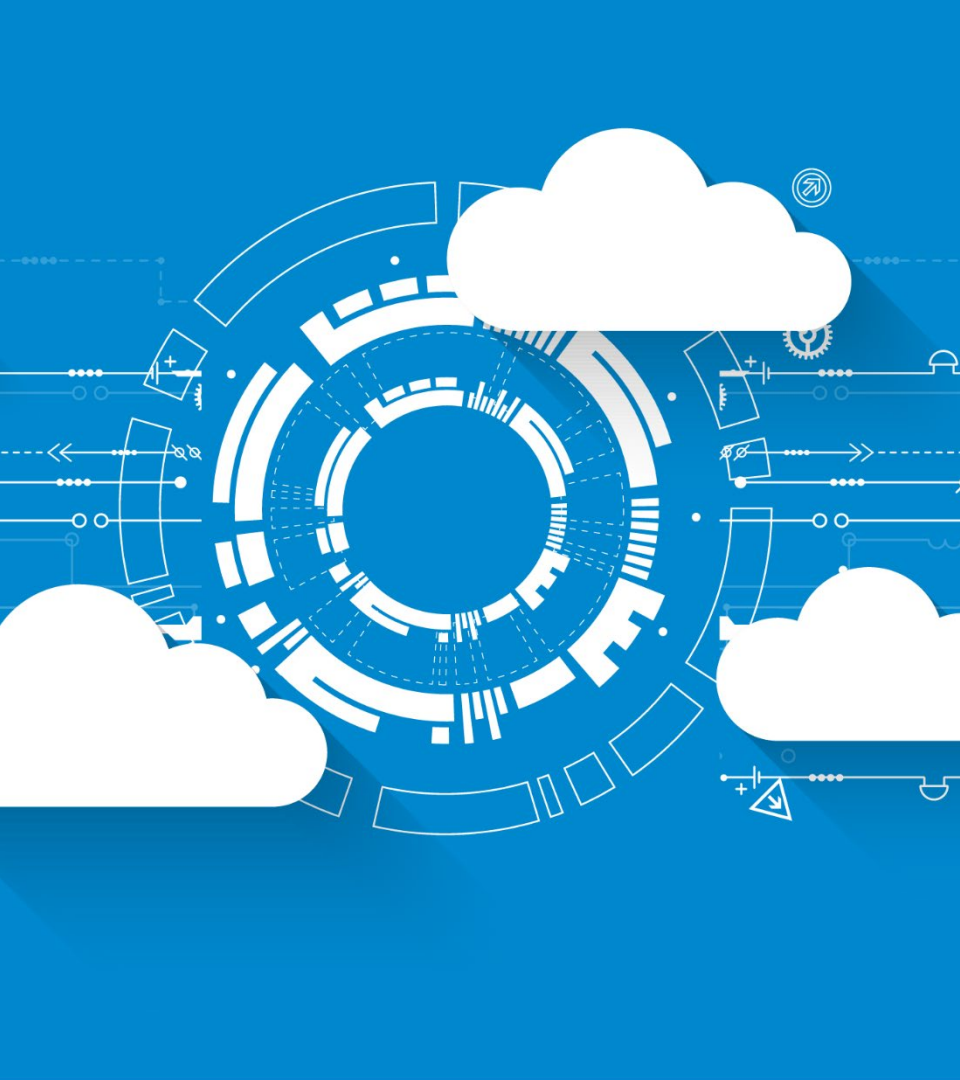
THANK YOU

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

This document is a non-binding, confidential document that contains valuable proprietary and confidential information of Tridium and must not be disclosed to any third party without our written agreement. It does not create any binding obligations on us to develop or sell any product, service or offering. Content provided herein cannot be altered or modified and must remain in the format as originally presented by Tridium. Any descriptions of future product direction, intended updates, or new or improved features or functions are intended for informational purposes only and are not binding commitments on us and the sale, development, release, or timing of any such products, updates, features or functions is at our sole discretion.

The background is a solid blue color. Overlaid on this are several stylized, light blue clouds of various sizes. A complex network of thin, white lines resembling a circuit board or a data flow diagram is spread across the entire background. These lines include various symbols such as gears, arrows, and geometric shapes, suggesting a technical or digital theme.

BACKUP SLIDES



niagara cloud SUITE™

Niagara Cloud Suite 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

MORE ABOUT:

niagara cloud ^{SUITE™} Management Portal

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

niagara
cloud

Craigs Controls

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.co

m

Partner Admin

Neeraj Bhawsar

neeraj.bhawsar@honeywell.co

m

Customer User

niagara
cloud

Back

CUSTOMER

Vidya

PROJECTS (2)

Search Project

All Projects

Vidya-Project

Test

+ Create New Project

- *Customer views also supported*

ALL PROJECTS

Search

Sort by

1-15 of 20

DEVICE/HOST ID

PROJECT/LOCATION

SUBSCRIBED SERVICES

msstage1

N4-mnscstage1st-C47F-2A5B-44DC-CAB8

Vidya-Project

Data Service

Test_Host_1

N4-NcsStation0A1:1st-4579-7E72-8CED-985F

Vidya-Project

Data Service

NcsStation3

N4-NcsStation3:1st-41A4-E7E5-F83E-0419

Vidya-Project

Data Service

- *Credentials consistent with Niagara Community profile*

ZERO TRUST PRINCIPLES

Niagara Remote™ applies Zero Trust principles by verifying device identity, authorizing only explicit connections, eliminating implicit network trust, encrypting all communication.

Category	Implementation	Security / IT Benefit
Network Access	Outbound-only connection to api.niagara-cloud.com over TCP 443, HTTP/WebSocket compatible	No inbound firewall rules; aligns with enterprise security policies
Transport Protocol	WebSocket over HTTP-compatible protocol	WebSocket-based Secure Tunnel used to transport Fox protocol traffic. Proxy-friendly and easy to allow in restricted networks
Encryption	End-to-end encryption using TLS 1.2 for all device-to-cloud traffic	Protects confidentiality and integrity of data in transit
Authentication	Mutual TLS (mTLS) and access tokens	Strong device and service identity verification
Inter-Device Communication(FoxC)	Cloud tunnel and proxy-based architecture	Secure cross-network communication without direct exposure

FoxC NETWORK FLOW



Example Firewall Rules:

1. ALLOW outbound TCP 443 from Niagara Devices to api.niagara-cloud.com (Stateful)
2. DENY all inbound connections to Niagara Devices
3. Allow ESTABLISHED, RELATED return traffic

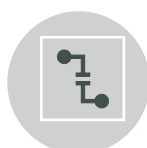
Even though devices communicate bi-directionally, the firewall never sees an inbound connection - only encrypted return traffic on an outbound-initiated, stateful session



Devices initiate
outbound
TLS/WebSocket
tunnels to the
cloud



All inbound
communication is
delivered as return
traffic over
established sessions



Firewalls
block all
unsolicited
inbound
traffic.



Inbound
communication occurs
only as encrypted return
traffic over
outbound-initiated
TLS/WebSocket tunnels.

FoxC NEW USE CASES

Connect to Niagara devices outside your existing BMS network

