Niagara 4.10 – New Edge Licensing Scheme

Frequently Asked Questions

Niagara 4.10 introduces a New Edge Licensing Scheme for Supervisor Niagara Network connections which allows you to connect **10 Niagara Edge devices** to a Supervisor for the same price as a standard Niagara station connection.

Q: Which Edge Devices Qualify?

A: This licensing scheme applies to Niagara Edge 10 and OEM Edge devices 'powered by Niagara framework' with a license for 150 points capacity or less.

A combination of Niagara Edge 10 and OEM Niagara Edge devices can be used together with each counting as a single Niagara Network Edge connection.

Q: Does this apply to JACE?

A: No, this is not applicable for JACE platforms regardless of point capacity.

Q: What Do I Need to Do?

A: Simply follow the steps below and enjoy connecting **10 times more Niagara Edge devices** to your Supervisor for the same price.

1. Upgrade your Supervisor Station to Niagara 4.10
2. Download an updated license for your Niagara Edge device

Discover your Niagara Edge devices and Add to your Supervisor Niagara Network.

Q: Can you Provide an Example of How This Works?

A: Niagara Edge 10 or OEM devices 'powered by Niagara framework' with a 150 points or less based capacity license now count as a 1/10 of a standard Niagara Network connection.

Let's review a few examples to provide some clarification:

- For a Supervisor with 1 Niagara Network connection, you can now connect…
  - 1 JACE
    OR
  - Up to 10 Niagara Edge devices

- For a Supervisor with 2 Niagara Network connections, you can now connect…
  - Up to 20 Niagara Edge devices
    OR
  - Up to 10 Niagara Edge devices AND 1 JACE or Supervisor

    Note: 1 JACE and 1 Niagara Edge device requires 2 connections, but so does 1 JACE and 2, 3, 4, 5, 6, 7, 8, 9 or 10 Niagara Edge devices!

- For a Supervisor with 3 Niagara Network connections, you can now connect…
  - Up to 30 Niagara Edge devices
    OR
  - Up to 20 Niagara Edge devices AND 1 JACE or Supervisor
    OR
  - Up to 10 Niagara Edge devices AND 1 JACE AND 1 Supervisor
    OR
  - Up to 10 Niagara Edge devices AND 2 JACEs or Supervisors

- For a Supervisor with 10 Niagara Network connections, you can now connect…
  - Up to 100 Niagara Edge devices
    OR
  - Up to 90 Niagara Edge devices AND 1 JACE or Supervisor
    OR
  - Up to 80 Niagara Edge devices AND 2 JACEs or Supervisors
    OR
  - Up to 80 Niagara Edge devices AND 1 JACE AND 1 Supervisor
    OR
  - Up to 70 Niagara Edge devices AND 3 JACEs or Supervisors
    OR
  - Up to 70 Niagara Edge devices AND 2 JACEs AND 1 Supervisor
    OR
  - Up to 70 Niagara Edge devices AND 1 JACE AND 2 Supervisors
    etc.

Q: Can I Use this New Licensing Schema with Preexisting Edge Devices in my Supervisor Niagara Network?

A: Yes. For any customers with pre-existing Edge devices in a Supervisor's Niagara Network, there are two (2) potential options you can employ to start using the new Edge licensing schema without having to rediscover the station:

1. Option-1

    a. Add a new "Niagara Edge Station" to your Supervisor's Niagara Network and configure the network parameters accordingly (leave disabled until "Step E")

    b. Via the Niagara Network, access the points folder in the pre-existing Edge device and select all items therein. Perform the same step for all imported/exported histories and schedules under the Niagara Network

    c. Execute the Cut command for the aforementioned items selected in the previous step

e. Paste into the points folder of the new "Niagara Edge Station" added in the step above. Perform the same step for all imported/exported histories and schedules and paste accordingly under the Niagara Network

f. Configure the Alarm Class for the new Edge Device under the Supervisor Niagara Network to use the Alarm Class utilized by the original Edge device

g. Disable the original Edge device

h. Enable the recently added Niagara Edge Station

i. Ensure the new Edge Station is an allowed host under the Supervisor Certificate Manager

j. Delete the original Edge device

2. Option-2 (For Advanced Users)

a. Open a Platform connection and access the Station Copier

b. Copy the Supervisor station to your local host

c. Via the User Home/Stations folder, access the station bog file copied in the step above and open the text editor view of the station XML

d. While in the text editor, locate the pre-existing Edge device in the Supervisor Niagara Network and change the station type from "nd:NiagaraStation" to "nd:NiagaraEdgeLiteStation"

e. Save the bog file

f. Open a Platform connection and access the Station Copier

g. Copy the Supervisor station edited in the step above on your local host and copy to the Supervisor host

Q: I have an OEM Niagara Edge device with less than 150 points that allows capacity upgrades. What happens if I add an upgrade option to exceed 150 points?

A: The Niagara Edge device license has a platform feature with an attribute to indicate it is an Edge platform. If upgrading to over 150 points, then this attribute will be reset.

The Niagara network connection to a device will only count as an Edge connection if the license indicates it is an Edge platform.

If the capacity is over 150 points, then it will revert to a standard Niagara network connection regardless of station type. It will only connect if your Supervisor license has adequate Niagara capacity

Q: What If I Have Additional Questions?

A: Please contact tsupport@tridium.com for further assistance