Danfoss LON device installation

version 1.0.1

Last modification: 23.8.2022 M.Meriano module for N4.7+N4.8+N4.9+N4.10+

Contents

1. Introduction

This guide contains the installation instructions for the Danfoss LON driver of alvasys automation ag. Readers should be familiar with the following concepts to fully understand the background of the activities described below.

− Administration of the Niagara platform.
− Administration of a LON network.

2. Prerequisites

The following modules has to be installed on the JACE before adding a Danfoss LON device:

− lonworks by Tridium
− sstarLonDanfoss by Silver Star Engineering

For successful installation you also need a valid license file which contains the feature

3. Preparation

The installation does not need specific preparation but please make sure to have a recent backup of the station.

4. Installation

4.1. Adding a Lon network and the device

From palettes choose lonworks, then drag LonNetwork to Station/Drivers. This step will create a Lon network.

Choose the network just added, the Lon Device Manager view appears. Execute the "Discovery" action and drag down the device you wish to install. Select "EKC" for device type, leave all other parameters unchanged.

Now the device appears in the lower panel.

4.2. Creating proxy points

In the row of the device double click on the icon in the Exts column, the Lon Point Manager view appears. Execute the "Discovery" action, then select all the points displayed in the upper table. Execute the "Add" action.

4.3. Binding proxy points

Select the Lon network in the Navigator panel and open the Lon Link Manager view.

Execute the Bind action.

4.4. Adding the Danfoss LON extension

Open the palette sstarLonDanfoss.

Drag the LonDanfossPointDeviceExt extension to the EKC device.

Select the extension just added, execute the "Discovery" action.

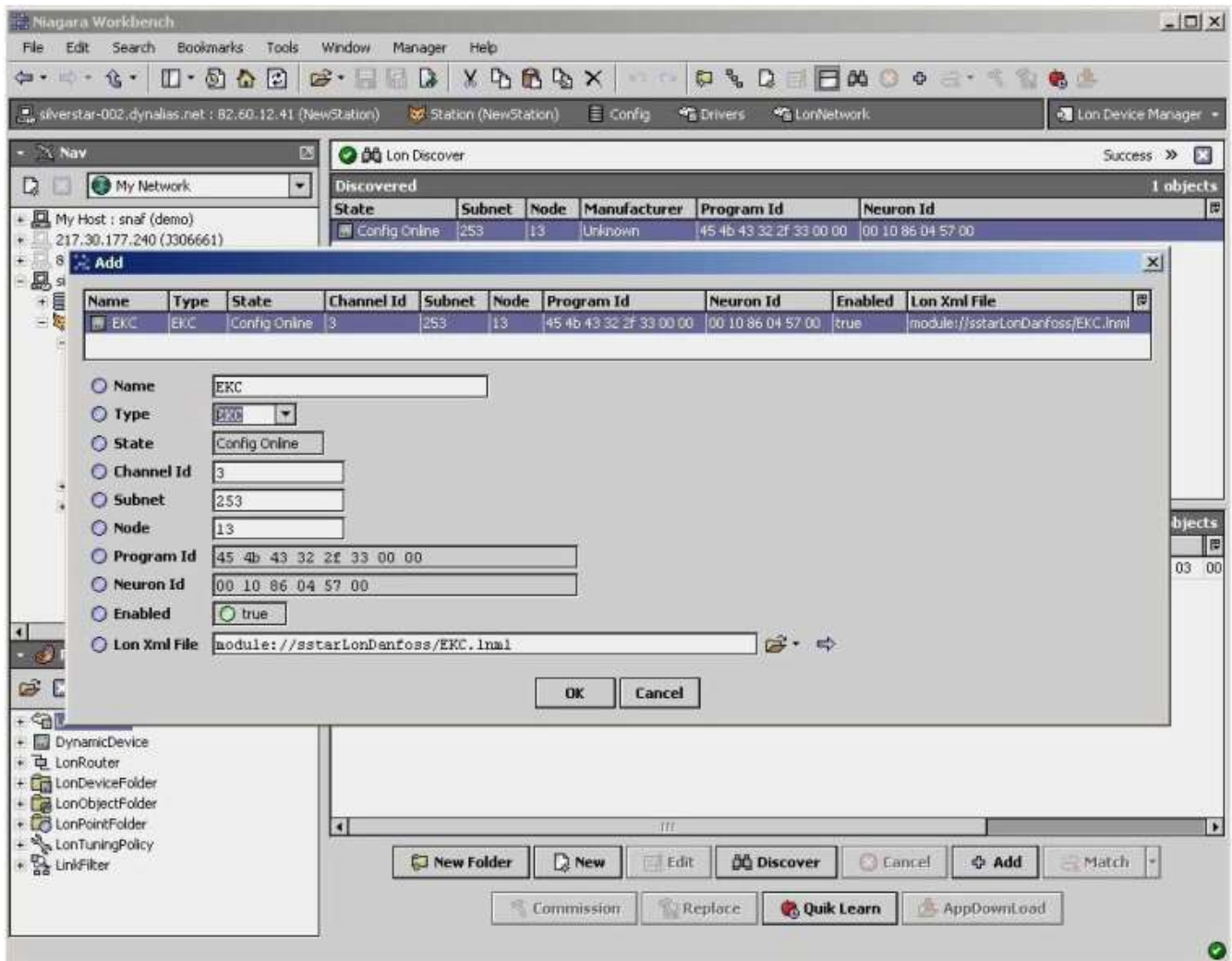From the upper table drag down all the parameters you want to monitor.
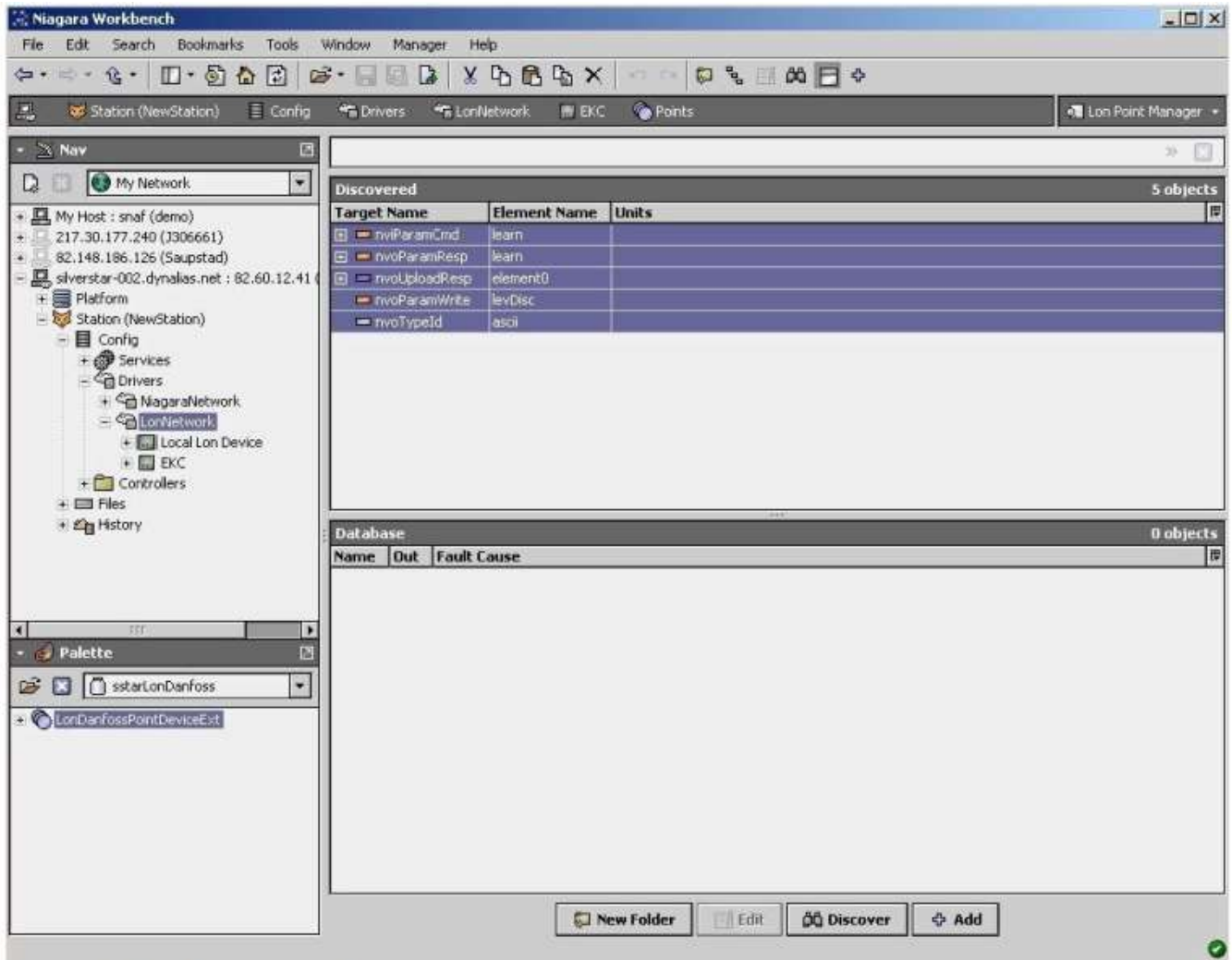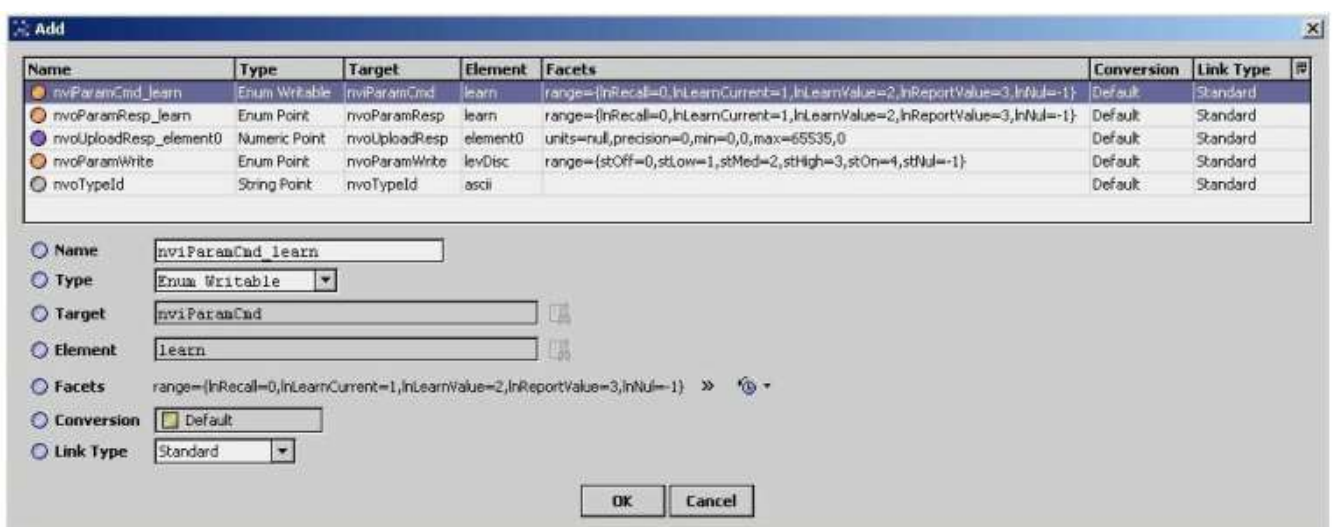
figure 1: Adding EKC device

figure 2: Creating proxy points

figure 3: Add proxy points dialog
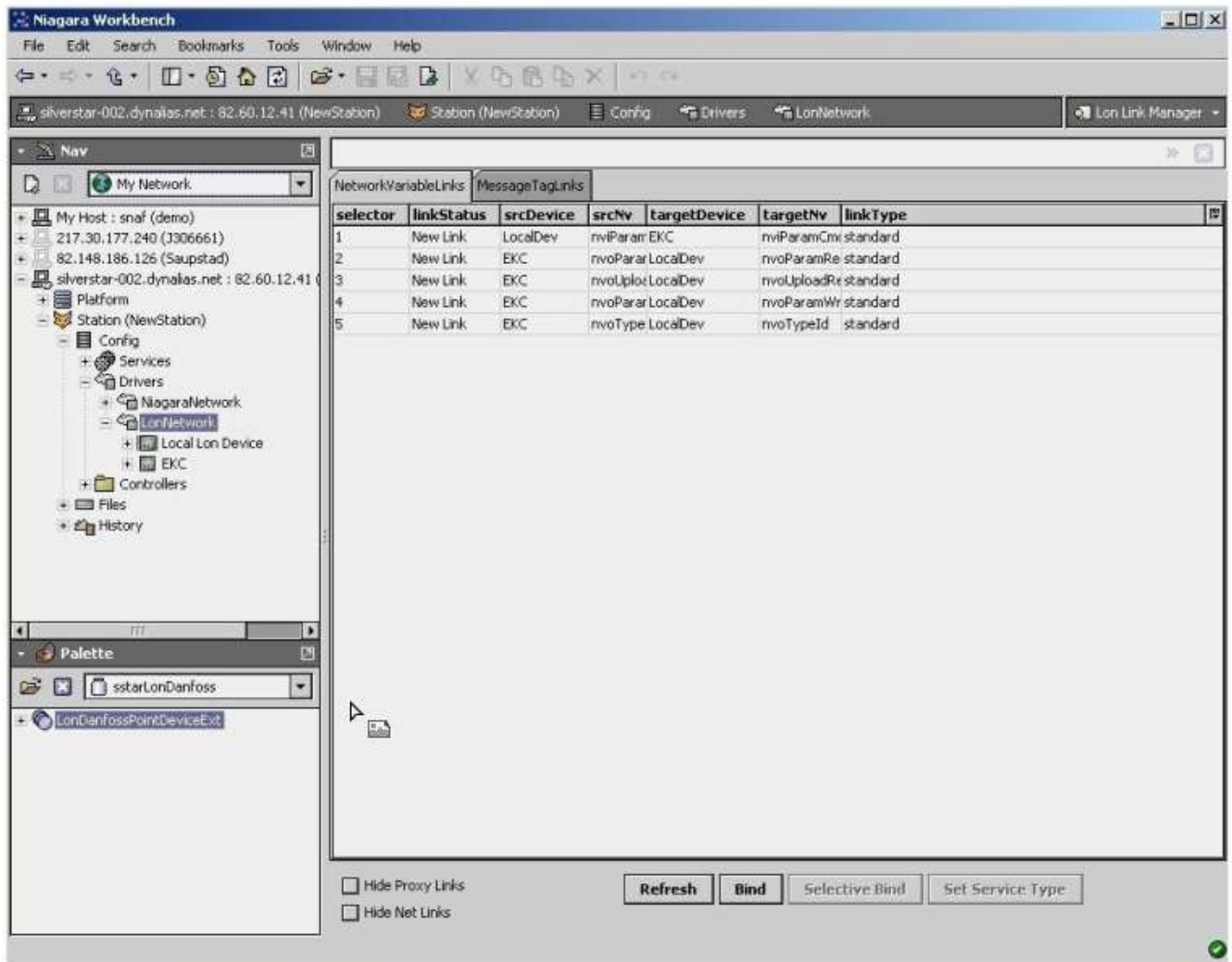
figure 5: Lon links after binding
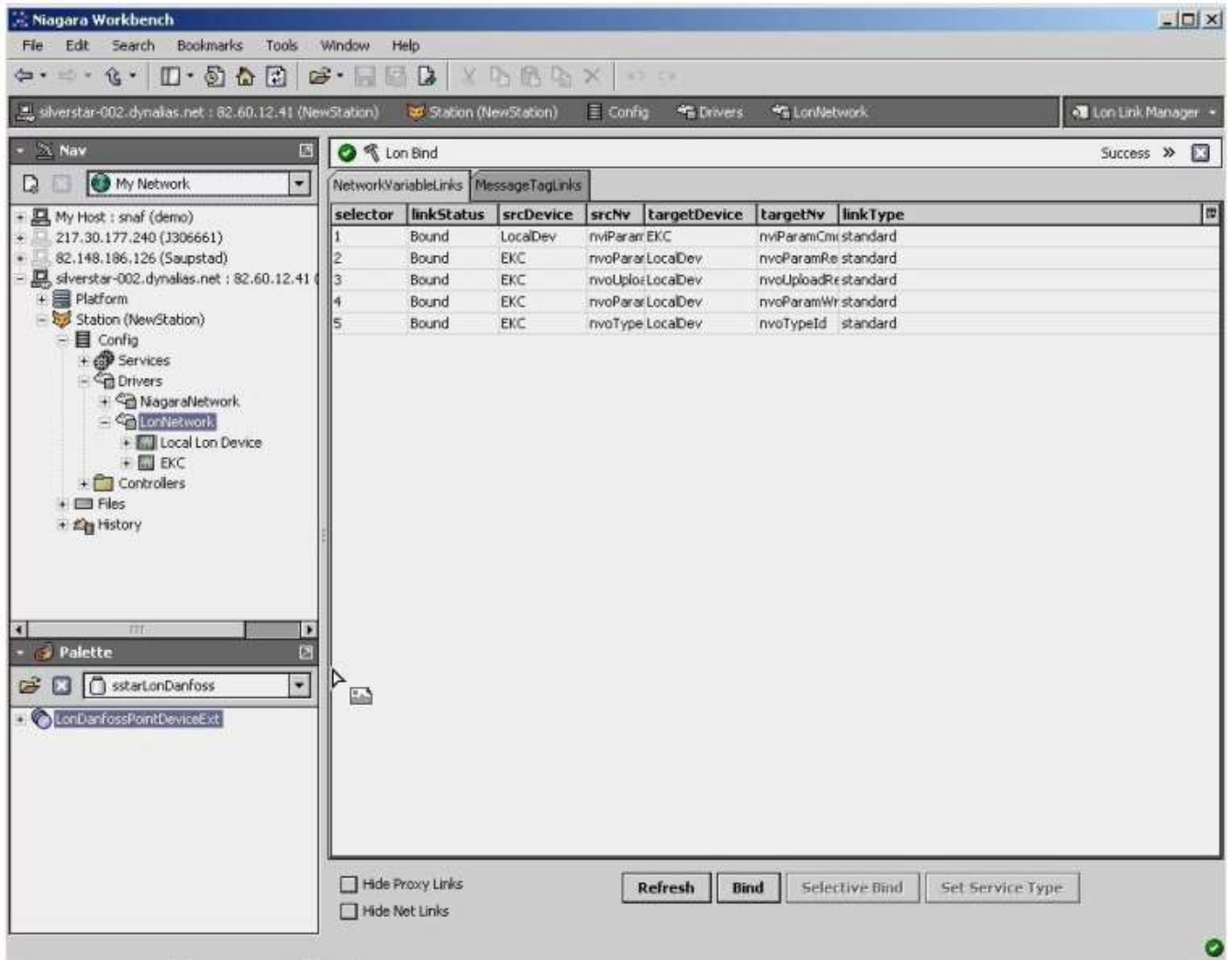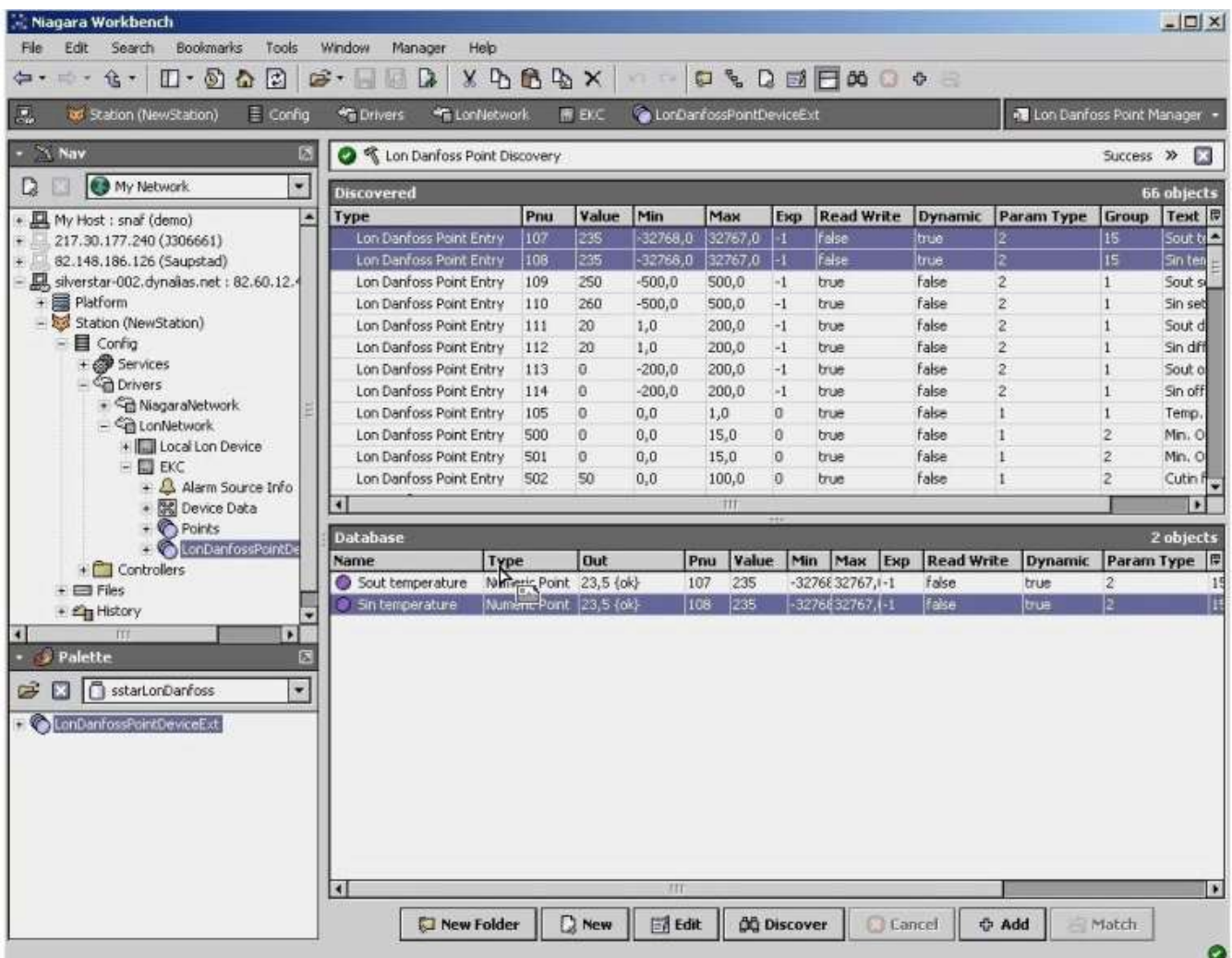
figure 6: Result of discovery for an EKC201

figure 7: Points added to the device