Installation & Operations Guide

sbc ✛
SAIA BURGESS CONTROLS

Saia PCD® Supervisor V4.11
Easy Database Manager

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Technical changes are subject to the state of technology.

Document History

Date	Description
August, 2021	First draft
November, 2021	• Updated the supervisor version **4.11** on the front cover page. • In Remove unused points section, added description for **"Include points with Linked Plot references"** option, see page 10.

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EASY DATABASE MANAGER

About Easy Database Manager

Easy Database Manager is a tool that allows you to find and remove unused points from the station. For example, when a system is set up, there may be unused points in the database, Easy Database Manager can locate and remove them. It is useful when configuring a station and the number of licensed points is limited.

Note: *Easy Database Manager is not supported on Jace/Controller.*

Unused points can be located using various search criteria. You can configure two different search criteria on the database that are combined to display a list of points from which you can identify and select the unused points that need to be removed from the database. Logs of the selected and deleted points are saved for audit purposes.

Easy Database Manager enables you to backup the database so it can be recovered in the event of data loss.

Installation Requirements and Licensing

This section provides information about system requirements and the process of installing Easy Database Manager on the supervisor station. It is recommended to have working experience with Niagara 4 platform before working on Easy Database Manager.

IMPORTANT

The current Easy Database Manager feature is fully supported only on supervisor environment running on recommended PC and Operating Systems declared in the product datasheet. This feature is not supported in an embedded controller environment.

System Requirements

- Niagara 4.9 or higher

- Web browser (Chrome, Firefox, Microsoft Edge)

- Windows 10, 64 bit or higher version

- Following modules must be installed on the workbench:

    - electronicSignature-rt

    - electronicSignature-ux

    - electronicSignature-wb

    - electronicSignatureRemote-rt

License the Easy Database Manager on a Supervisor Station

Before you install the Easy Database Manager on a supervisor station you must add the Easy Database Manager license to the Niagara N4 license.

Contact your local distributor or customer support representative to obtain a license for Easy Database Manager.

To install a license file on a supervisor station

Step 1.   Run the supervisor **Platform**, in the **Nav** tree open the **Platform** folder and select **License Manager**. The **License Manager** window is displayed.
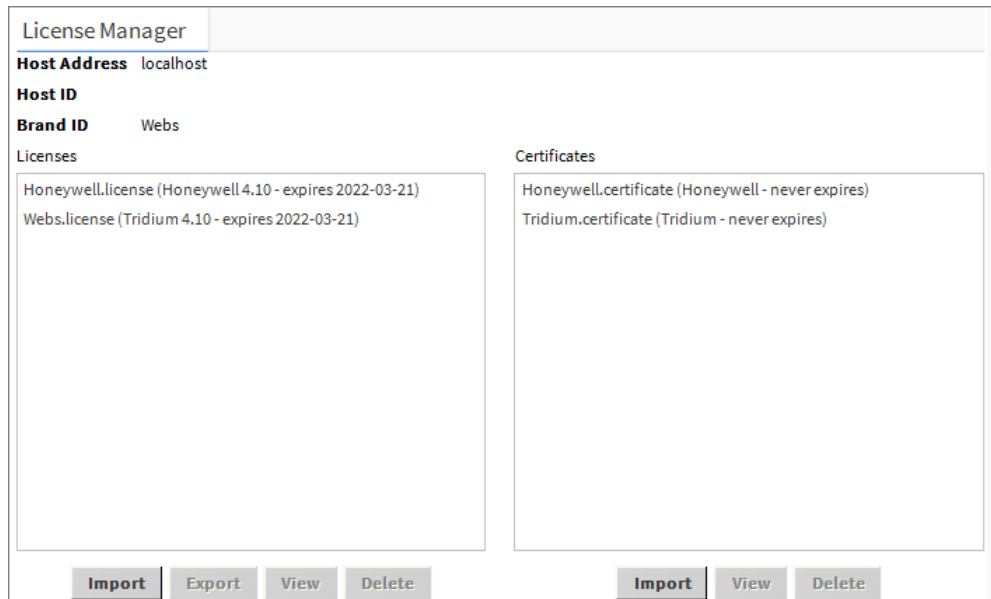
Step 2.   Select **Import** from the bottom of the **Licenses** section. The **Import License** window is displayed.
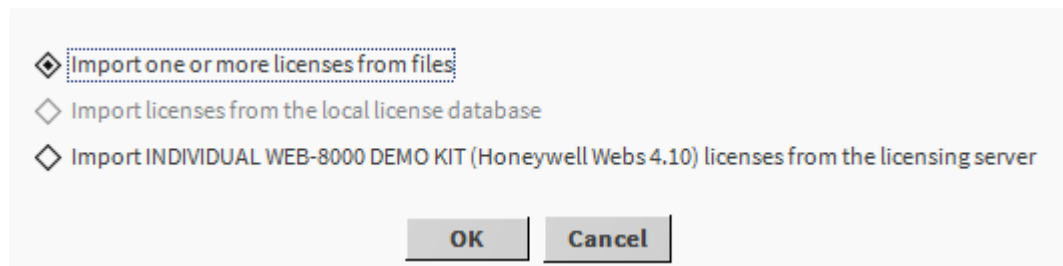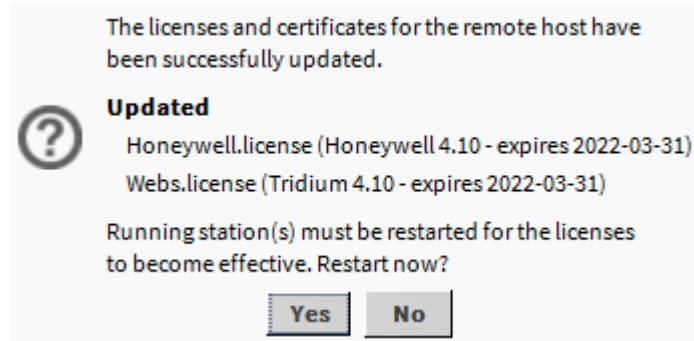

You can import the license files in three ways.

- **Import one or more licenses from files**: Import the license from the local file.

- **Import license from the local license database**: Import the license from the local database. This option is only enabled when there is a local license database.

- **Import (Niagara 4.10) licenses from the licensing server**: Import the license from the licensing server if there are no licenses present in the local files and databases. When you select this option, the application displays the following window to restart the station.

Note: *Importing the supervisor license from the licensing server varies as per the Supervisor Station. For more details about Licensing workbench, refer to the Niagara documentation.*

Step 3.   Select the required option and click **OK**.

The licenses and certificates for the remote host have been successfully updated.

Updated

Honeywell.license (Honeywell 4.10 - expires 2022-03-31)

Webs.license (Tridium 4.10 - expires 2022-03-31)

Running station(s) must be restarted for the licenses to become effective. Restart now?

Yes   No

Step 4.   Click **Yes** to restart the station. Easy Database Manager feature available on supervisor workbench.
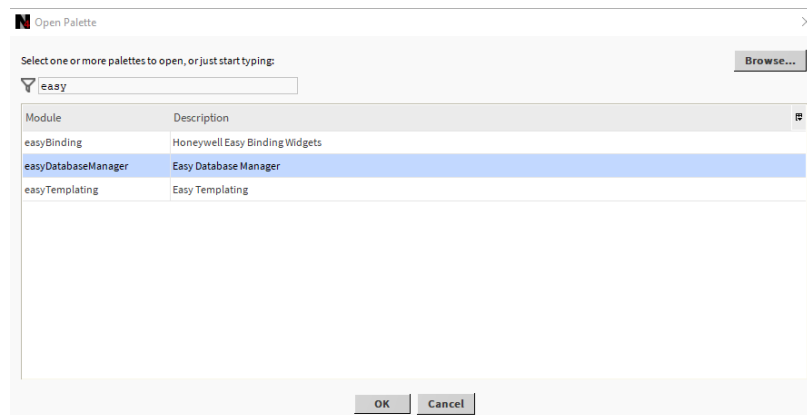
Add the Easy Database Manager

The Easy Database Manager service must be added to the station before it can be used.

Open the easyDatabaseManager Palette

To open easyDatabaseManager palette

Step 1.   On the menu bar select **Window** > **Side Bars** > **Palette**.

Step 2.   Click ■ (folder icon). The **Open Palette** dialogue is displayed.

Open Palette

Select one or more palettes to open, or just start typing:

easy

| Module	Description	
easyBinding	Honeywell Easy Binding Widgets	
easyDatabaseManager	Easy Database Manager	
easyTemplating	Easy Templating	

Browse...

OK   Cancel

Step 3.   Enter "easydatabase" in the filter field, select "easyDatabaseManager" from the list and click **OK**.

Add the EasyDatabaseManagerService to the Station

To add the EasyDatabaseManagerService to the Station

Step 1.   Open the easyDatabaseManager palette, see Niagara documentation on using palettes.

Step 2.   In the Nav Tree open the **Station** > **Services**.

Step 3.   Drag the **EasyDatabaseManagerService** from the easyDatabaseManager palette and drop it on the **Services** folder. The **Name** dialogue box is opened.

Step 4.   Enter the required name.

Step 5.   click **OK**. The EasyDatabaseManagerService is added to the services folder.
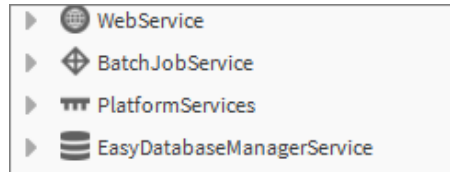
Using Easy Database Manager

This section describes how to use Easy Database Manager.

Launch Easy Database Manager

Remove Unused Points

Note: *It is recommended that Easy Database Manager should be performed at the end of the engineering process i.e. when all the points from PX pages, link marking, analytics, alarm, history, Favorites in Point List view, and easy templates have been configured.*
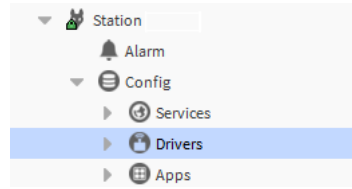
Launch Easy Database Manager

You can launch the **Easy Database Manager** from either the *driver level* or *network level* of the **Nav** tree. Launching Easy Database Manager from driver level will include all points under each network in the station. Launching Easy Database Manager from driver level will include all points under each network in the station.
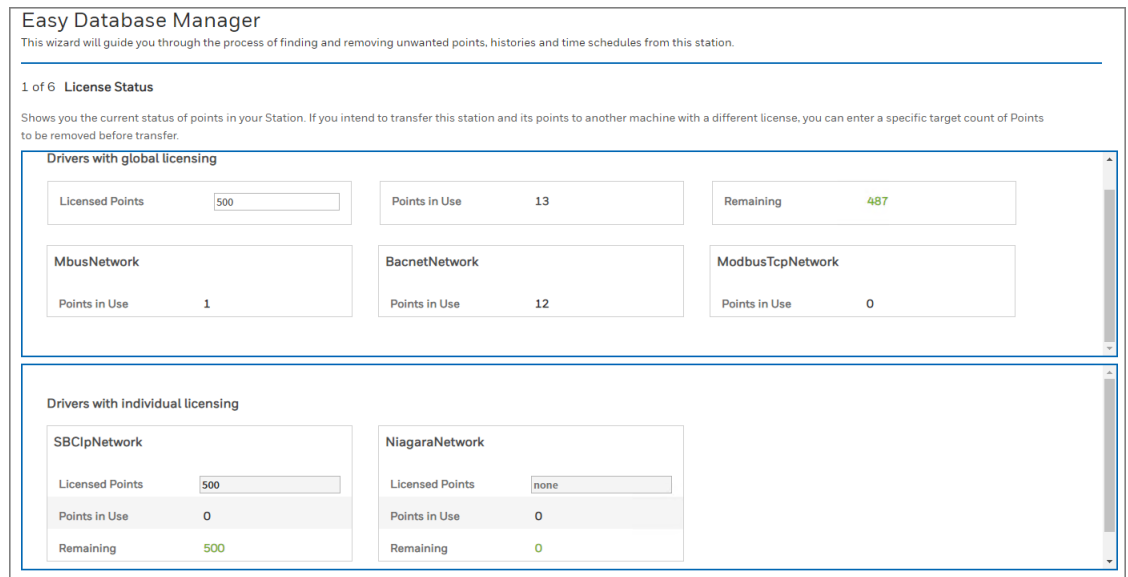
Launch Easy Database Manager from Driver Level

Launching Easy Database Manager from driver level will include all points under each network in the station
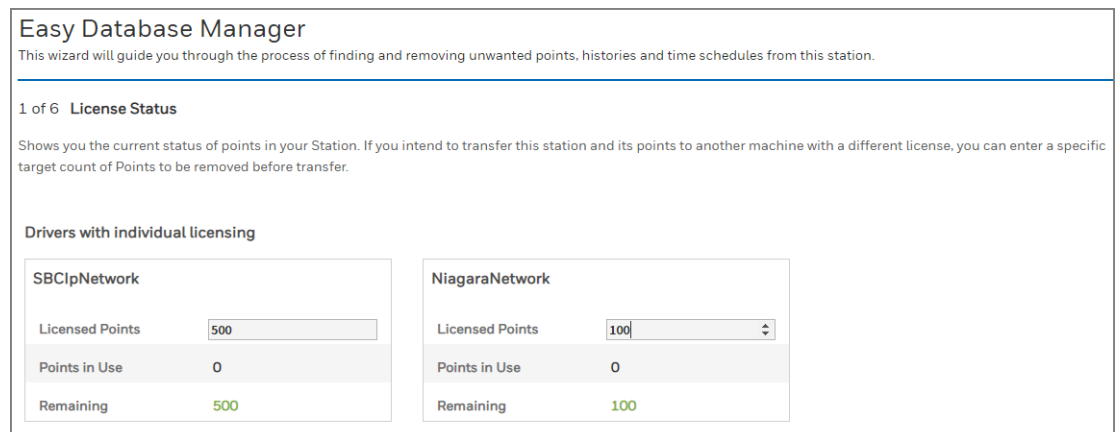
Step 1.   Open Niagara workbench.

Step 2.   In the **Nav** tree open the **My Host > Station (station name) > Config** folder.

Step 3.   Right-click **Drivers> Views >Easy Database Manager Widget**. The Easy Database Manager window is displayed. The Easy Database Manager window displays the number of license points assigned to the network, the number of points in use, and the number of remaining points for each network. Networks that are assigned with the global license are displayed in the **Drivers with global licensing** section.

.

If none of the networks are assigned with global licensing points, then the station displays engineering licensing points only for all the networks.
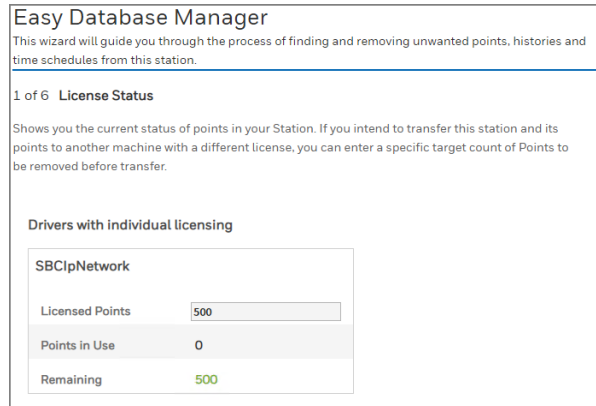
Launch Easy Database Manager from Network Level

Launching **Easy Database Manager** from the Network level will include all points under the selected network.

Step 1.   Open Niagara workbench.

Step 2.   In the **Nav** tree open the **My Host >Station (station name) > Config > Drivers** folder.

.
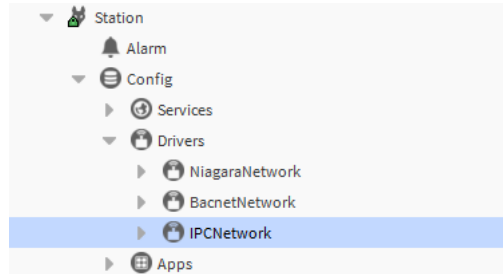
Step 3.   Right-click on the required **Network and select> Views >Easy Database Manager Widget**. The Easy Database Manager window is displayed. It displays number of license points assigned to the network, number of points in use and number of remaining points for the selected network.

If the network assigned with global licensing points, then the Easy Database Manager window displays number of global license points assigned to the

network, number of points in use and number of remaining points for the selected network.

Remove Unused Points

Step 1.   Open **Easy Database Manager**, *Launch Easy Database Manager*.

Note: *The image above displays license points with unlimited capacity. The license capacity may be different on your station.*

Step 2.   In the **Licensed Points** field, enter the required number of points. This will help to identify the license status for the network.

The **Global Capacity Used** value updates dynamically, indicating the number of points available.

Example: In the image below you can see, the station has 500 global capacity points (displayed in the **License Points box**), out of which 13 points (displayed in the **Points in Use box**) are used by MbusNetwork and

BACnetNetwork. The number of remaining points displayed in the **Remaining** box.

If you enter **License Points** more than the available global capacity points, then the number of exceeding points displayed in the **Remaining** box in red color.

if you enter more **License Points** than the available individual license points, then the number of points by which the capacity is exceeded is displayed in the **Remaining** section in red color.

Step 3.   Click **Next**>. The **Easy Database Manager - (OPTIONAL) Find points in this station which need to be deleted for below criteria** page is displayed.

This optional search allows you to find unused points that are not used in the station.

Step 4.   If this optional search is to be used, select appropriate options.

Option	Description
Include points appearing on PX Views	Include points that are on px pages in the unsecured points list.
Include points with tag based graphics appearing on PX Views	Include points that are linked to the other slots in the list for deletion.
Include points with Link Marking	Include points that are linked to the other slots in the list for deletion.
Include points with Alarm Extensions	Include points that are linked to custom alarm extension in the list for deletion.
Include points with History Extensions	Include points that are linked to history extension in the list for deletion.
Include points with History Import	Include points from history import in the list for deletion.
Include points associated to Favorites in Point List Views	Include points that are associated with favorites in a Point List View in the list for deletion.
Include points with Analytics Configured	Include points that are used by the analytics engine in the list for deletion.
Include points with Linked Plot references	Include points that are linked to plots references in the list for deletion.
Include points with Easy Template	Include points that are used by Easy Templating in the list for deletion.

Note: *By default, no options are selected, therefore it will find points that exist in the station but are not used in any of the specified areas.*

Example: If you "select" **Include points appearing on PX Views**, any point used on a Px page, any point used on a Px page, and used by the analytics engine will appear for deletion.

If you do not select **Include points appearing on PX Views**, any point used on a Px page, and used by the analytics engine will not appear for deletion.

Step 5.   Click **Next** to use this optional search, or if you don't want to use this search click **Skip**. The **Easy Database Manager - (OPTIONAL) Find points based on one or more labels matches** page is displayed.

This optional window allows you to find and add unused points and points used for scheduled imports/exports, history imports, list marking, and PX Views from the station.

Step 6.   If this optional filter is to be used, select the items whose labels are to be matched with the specified search terms, and the required search terms.

Specify items whose labels are to be matched with the search terms:

- Select the required options.

| Options	Description
Points	Includes all the points under the selected network and in the list for deletion.
Schedule Imports and Exports	Includes points that are used by schedule import and export in the list for deletion.
History Imports	Includes points that are used by history imports in the list for deletion.
With Analytics Configured	Include analytics configured points that are used by history imports in the list for deletion.
Objects with Link Marking	Include objects that are used by link marking in the list for deletion.
Objects within PX Views	Include objects used by PX views in the unsecured points list for deletion.
Points with Tag Based graphics within Px Views	Include tag based graphics points within the PX pages in the list for deletion..
Points with Analytics Configured	Include points use under the analytics engine in the list for deletion.

Note: *By default, the points option is selected.*

Specify the search terms:

- Specify the labels of the points that are to be included in the list for deletion in the **Define your search terms** box. To add an additional search term, click **New Search**, and enter the new search string. To load previously saved search terms, click **Reuse Last Criteria**, and select the required search criteria. To delete a label, click (🗑).

Note: *The label matching is case sensitive, special characters like $, % and ' are not allowed.*

Step 7. To use this optional filter, click **Next>**, or if you don't want to use it click **Skip**. The Unwanted criteria dialogue box is displayed.
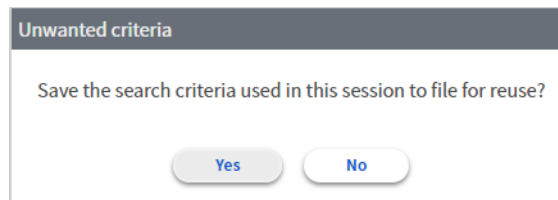
Note: *You must select one of the points or histories or schedule imports and exports from any of* **(OPTIONAL) Find points in this station** *or* **(OPTIONAL) Find points based on one or more labels matches** *page. If you don't, an error will pop up.*
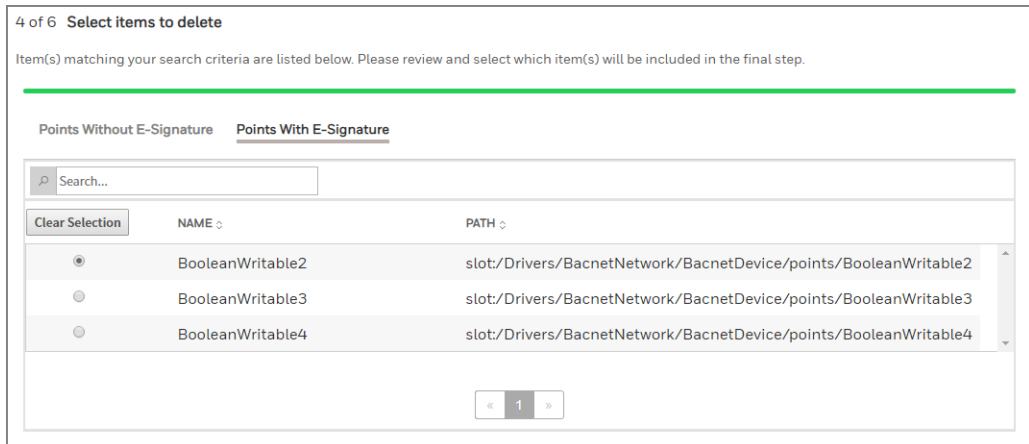
Step 8. Select **Yes** to save the criteria allowing then to be reused, or **No** to continue without saving them.

Note: *Clicking* **Yes** *will overwrite the previously saved search criteria.*

The **Easy Database Manager - Select Items** to **delete** page displayed, displaying all items matching the search criteria.

Easy Database Manager
This wizard will guide you through the process of finding and removing unwanted points, histories and time schedules from this station.

4 of 6 Select items to delete

Item(s) matching your search criteria are listed below. Please review and select which item(s) will be included in the final step.

Selected 0 of 13 items to delete

	NAME ○	PATH ○
☐	NumericWritable	slot:/Drivers/MbusNetwork/NumericWritable
☐	NumericWritable5	slot:/Drivers/BacnetNetwork/NumericWritable5
☐	NumericWritable6	slot:/Drivers/BacnetNetwork/NumericWritable6
☐	NumericWritable11	slot:/Drivers/BacnetNetwork/NumericWritable11

« 1 »

Datapoints that are protected by E-signiture are displayed on the **Points With E-Signature** tab.

4 of 6 Select items to delete

Item(s) matching your search criteria are listed below. Please review and select which item(s) will be included in the final step.

Points Without E-Signature   **Points With E-Signature**

Clear Selection	NAME ○	PATH ○
◉	BooleanWritable2	slot:/Drivers/BacnetNetwork/BacnetDevice/points/BooleanWritable2
○	BooleanWritable3	slot:/Drivers/BacnetNetwork/BacnetDevice/points/BooleanWritable3
○	BooleanWritable4	slot:/Drivers/BacnetNetwork/BacnetDevice/points/BooleanWritable4

« 1 »

Step 9.   Select the points that are to be removed from the station.

- To select all points, select the check box at the top of the column.

- To sort the columns, click on the column headers.

- To search for a specific point, enter the name of the specific point in the **Search** box.

Note: *Multiple E-signature points removal is not allowed in Easy Database Manager.*

Step 10.   Click **Next>**. The **Easy Database Manager - Confirm item removal options** window, is displayed displaying the number of points of each type of item that are to be removed from each network.

Step 11.   Select the required options:

- **Backup station before deleting items** - Backup the station before deleting the specified items.

- **Create logs for selected and deleted items** - Creates a list of the items that are removed from the station- see View Logs.

⚠ **Warning: Ensure the station is backed up before running Point Database Manager. Deletions made by this tool cannot be undone.**

Step 12.   Click **Next>** The **Final confirmation** dialogue box is displayed.

Step 13.   Click **Remove**. All the selected points will be removed from the station's database.

If you are removing E-signature points the Authenticate User dialogue box is displayed to allow you to authorize the deletion of those points

- In the **Password** box enter the password for the station's 'Admin' user.

- In the comment enter the required comment.

- Click **Sign**.

- Click **OK**.

Step 14.   When the process is complete the **Easy Database Manager - Finish** window is displayed, displaying the status of the license across the networks, points in use, and remaining points.

Step 15.   If required, click **Start New** to start the process again.

Contact

Saia-Burgess Controls AG

Bahnhofstrasse 18
3280 Murten
Switzerland.
Phone...................................... +41 26 580 30 00
Phone support.......................... +41 26 580 31 00
Fax... +41 26 580 34 99
Email support: .... support@saia-pcd.com
Support site: ....www.sbc-support.com
SBC site: .... www.saia-pcd.com
International Representatives &
SBC Sales Companies: .... www.saia-pcd.com/contact

IMPORTANT

Saia Burgess Controls Technical Support are only able to provide support for Saia PCD® Supervisor and the Saia Burgess Controls driver features described in this manual. They are unable to provide support for 3rd party drivers and undocumented aspects of Saia PCD® Supervisor's operation.