

Introduction

Users of NXAC-120-001 versions 3.6.1 and below can use the NXAC Next Generation (NXAC-UNV-001) version 5.0.0 “Upgrade Legacy Database” function to upgrade to the latest version. The following sections provide the detailed steps to perform the upgrade.

Note 1 : Users must have a functional Area Controller (NXAC-120-001) before starting the upgrade.

Note 2: Users must also adhere to the recommended browser requirements to ensure for their machine, for a successful upgrade. See below:

Internet Explorer: Not supported

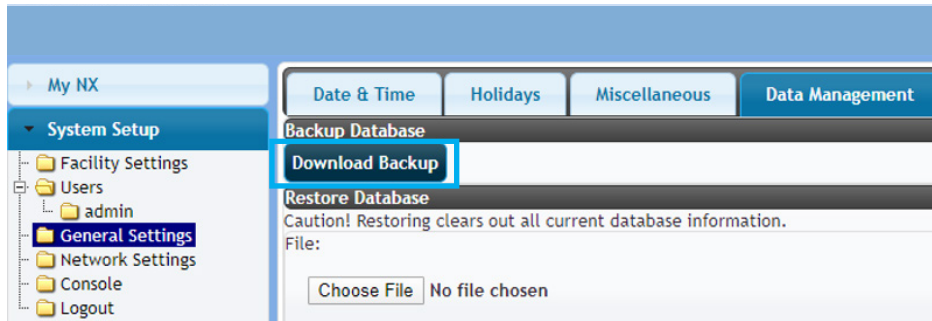
Microsoft Edge: 44.18362.449.0 and up

Microsoft Chromium: Any version

Mozilla Firefox: 77.0.1 (64 bit) and up

Google Chrome: 83.0.4103.106 (64-bit)

Upgrade Process:



1. Save existing database

- Login to your existing area controller software. Go to Data Management in General Settings.
- Save your database in your local computer using the “download backup” button as shown.

2. Install Next Gen Area Controller version 5.0.0.

- An SSD will be provided separately, preloaded with this new software, to replace the existing SSD in the Area Controller hardware unit
- In order to access this new software, first, disconnect the existing SSD within the Area Controller unit
- Now connect the new SSD provided to you, in place of where the existing SSD was connected
- Login with default user-name and password (see below) into Next Gen AC v5 (if you are unsure of how to access the area controller login page, refer to the [NXAC-UNV-001 installation instructions](#))
 - Default username: admin
 - Default password : Nextgen.1

Note: You must use the default IP address 192.168.1.1 once you have swapped the SSD, to access the new software login page. After logging in, user can change the IP address per their choice, as appropriate.

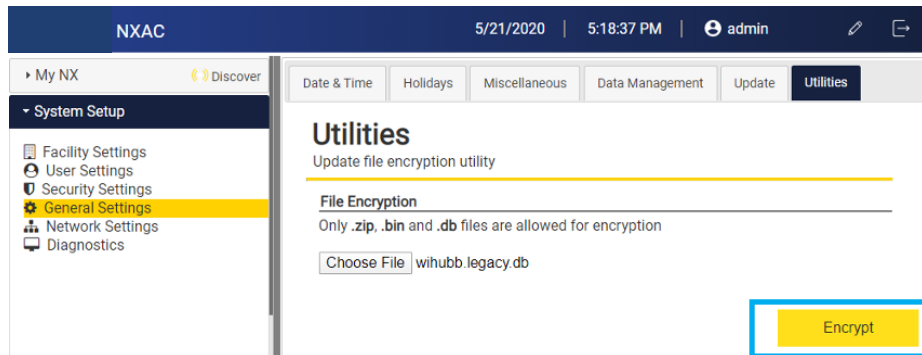
3. Prepare the Area controller for Upgrade.

- Configure time zone
 - The Next Gen Area Controller does not come with a pre-configured time zone. Time zones must be configured at the user’s location per the user’s needs.
- Configure network settings

4. Encrypt the Legacy Area Controller database file.

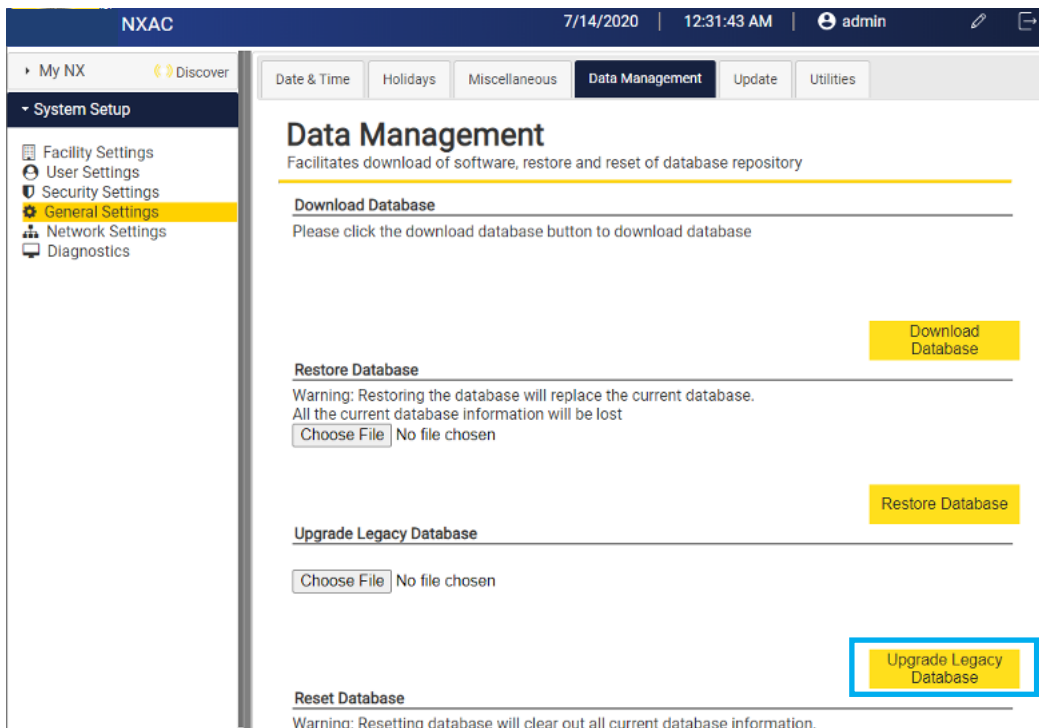
- Process to encrypt:
 - Login as “admin” into Next Gen AC v5
 - Navigate to System Setup g General Settings, select Utilities tab
 - Click on Choose File button to upload the Legacy AC database file, that was saved in step 1
 - Click on the Encrypt button. The encrypted file will be downloaded locally on your computer

NX Next Generation Area Controller Upgrade from Existing (Legacy) Versions INSTALLATION INSTRUCTIONS



5. Perform Upgrade

- Navigate to **System Setup > General Settings: Data Management** tab
- Under the **Upgrade Legacy Database** section, click on **Choose File** button to upload the encrypted legacy database file from Step 3
- Click on **Upgrade Legacy Database** button to start upgrade



6. Perform Post Upgrade Tasks

- **Verify security settings:**
 - The admin user in the Legacy Area Controller will be replaced by admin user in the Next Gen Area Controller, therefore, the password used in the Legacy Area Controller will not work in the Next Gen Area Controller
 - Reset passwords for all users
 - The upgrade process will set all users to have an "user" role. If there are some users that are required to be a "reader" or "admin," then change it appropriately
 - Go through the rest of the Security Setting options that are new in the Next Gen Area Controller and configure appropriately per the User Guide.

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- **Configure Date & Time:**

- Date & Time and Time Zone values are not included in the upgrade. These settings need to be manually set.

The screenshot shows the 'Date & Time' configuration page. At the top, there are navigation tabs: 'Date & Time', 'Holidays', 'Miscellaneous', 'Data Management', 'Update', and 'Utilities'. The main heading is 'Date & Time' with a subtitle 'Configuration of Area Controller's Date and Time'. Below this, there is a section for 'Date & Time' with a text input field containing '1/1/01 12:00:00 AM'. A 'Timezone' section has a dropdown menu labeled 'Select a Time zone'. The 'Operational Hours' section has two rows: 'Start' and 'End', each with five input fields for 'Holiday', 'Saturday', 'Sunday', 'Monday', and 'Tuesday'. Below that is the 'Open/Close Times' section, which has a 'Copy Operational Hours' link and two rows: 'Open' and 'Close', each with five input fields for the same days of the week.

- **BACnet™**

- BACnet is disabled by default in the Next Gen Area Controller. Irrespective of the status in the Legacy Area Controller, it will be set to disabled after the upgrade process is completed, therefore, re-enabling after the upgrade is required.
- To enable:
 1. Login as “admin”
 2. Navigate to **System Setup > Network Settings**
 3. Select **BACnet Settings** tab
- Click on the **Enable BACnet** button.

The screenshot shows the 'BACnet Settings' page. The top navigation bar is 'NXAC'. Below it, there is a sidebar with 'My NX' and 'Discover' buttons, and a 'System Setup' menu with options: 'Facility Settings', 'User Settings', 'Security Settings', 'General Settings', 'Network Settings' (highlighted), and 'Diagnostics'. The main content area has two tabs: 'Basic Settings' and 'BACnet Settings'. The 'BACnet Settings' tab is active, showing the title 'BACnet Settings' and subtitle 'Configuration of BACnet network settings for the entire network'. Below this, there is a text instruction: 'Click the image to download the "Protocol Implementation Conformance Statement" or "PICS"'. At the bottom, there is a toggle switch for 'Enable BACnet' which is currently turned 'ON'. A 'Device Information' section is partially visible at the bottom.

Rollback

If the upgrade operation fails, replace the Legacy Area Controller drive back and continue to use the same version. Send the Legacy Area Controller database that was downloaded during this upgrade operation to the engineering team for further evaluation.