

An aerial photograph of several skyscrapers, including the Shanghai Tower, Jin Mao Tower, and the Shanghai World Financial Center, rising above a thick layer of white clouds. The sky is a mix of soft pinks, oranges, and blues, suggesting a sunrise or sunset. The buildings are illuminated with some lights, and the overall scene is dramatic and high-angle.

WEBS-N4.8 **ENTERPRISE** **SECURITY OVERVIEW**

Honeywell

WEBS N4.8 ENTERPRISE SECURITY

Legacy Support for WEBs Enterprise Security Customers

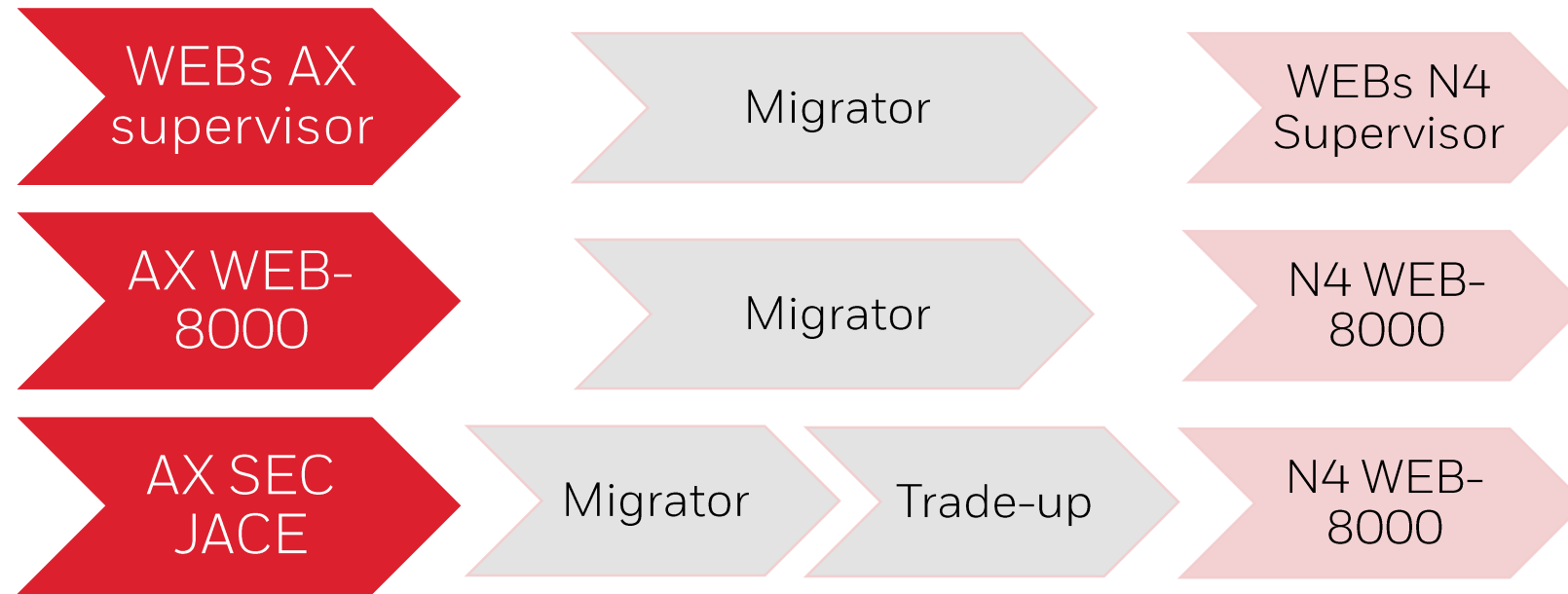
- Access to the latest Niagara features
- Latest Cyber Security Updates
- High-performance hardware optimized for N4



STATION MIGRATOR

Based on the Niagara core AX to N4 station Migrator

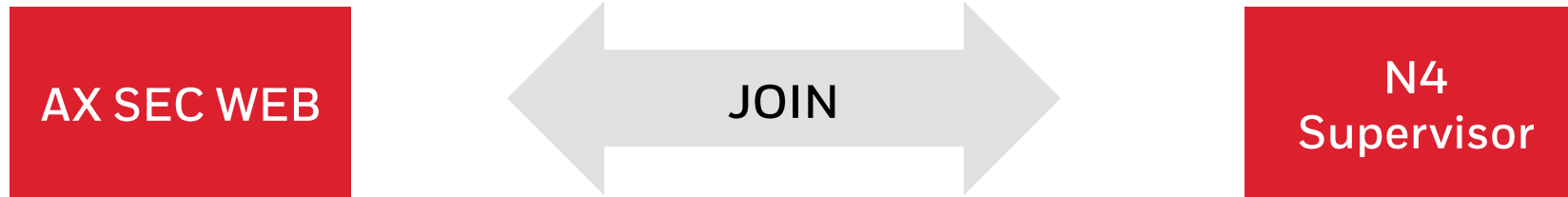
- Update video drivers to nvideo drivers
- Migrates the database schema
- Migrates Access Network



LEGACY SUPPORT

WEB-6xx AX connection to WEBs-N4 Supervisor

- Authentication
- Replication (Database synch)
- Alarm/Point mapping



Stop-gap measure to give customers time to update hardware

REQUIRED PARTS FOR UPGRADING

Model	Description	SMA Options
SEC-H-ENT-6/U SEC-H-ENT-10-INT	Security Supervisor/ 6 Niagara Connections Integrated Supervisor / 10 Niagara Connections	SSMA-SEC-SBS-1YR SSMA-SEC-SBS-3YR SSMA-SEC-SBS-5YR
SEC-H-ENT-100/U SEC-H-ENT-100-INT	Security Supervisor / 100 Niagara Connections Integrated Supervisor / 100 Niagara Connections	SSMA-SEC-100-1YR SSMA-SEC-100-3YR SSMA-SEC-100-5YR
SEC-H-ENT-250/U SEC-H-ENT-250-INT	Security Supervisor / 250 Niagara Connections Integrated Supervisor / 250 Niagara Connections	SSMA-SEC-250-1YR SSMA-SEC-250-3YR SSMA-SEC-250-5YR
SEC-H-6xx	Security WEB-6xx Note that SMA will only upgrade model to WEBs AX 3.8. Only required for licenses that are version 3.6 or lower.	SSMA-SECJ6-1YR SSMA-SECJ6-3YR SSMA-SECJ6-5YR
SEC-J8-AX	Enterprise Security License on WEB-8000 with AX option	SSMA-8xxx-1YR SSMA-8xxx-3YR SSMA-8xxx-5YR

Current SMA required to upgrade from AX to N4 version

MIGRATING A WEBS ENTERPRISE SECURITY STATION FROM WEBS-AX TO WEBS-N4.8

MIGRATION PREP

- 1. Delete any drivers not supported in N4.8**
 - Dedicated Micros, Rapid Eye
 - Other 3rd party drivers
- 2. Update Video Drivers from driver to ndriver. Use driver upgrade tool with fox connection (not foxs)**
 - axisVideo -> naxisVideo
 - Milestone -> nmilestone
- 3. Upgrade system to latest AX version, currently WEBs Enterprise Security AX-2.3u2 (3.8.401.)**
- 4. If needed, change Photo ID from legacy mode to standard mode. (requires manual operation for importing and assigning templates)**
- 5. If needed, upgrade MySQL**
- 6. Modify Backup service to include history and alarm databases if you want these present in your new system**
- 7. Backup the station (distribution backup)**

MIGRATION

1. From Console (not workbench embedded) type the following command:

N4mig <path to station backup>

2. Select Template (JACE or Supervisor)

3. Enter the new N4 passphrase

N4 station is migrated to the User Home

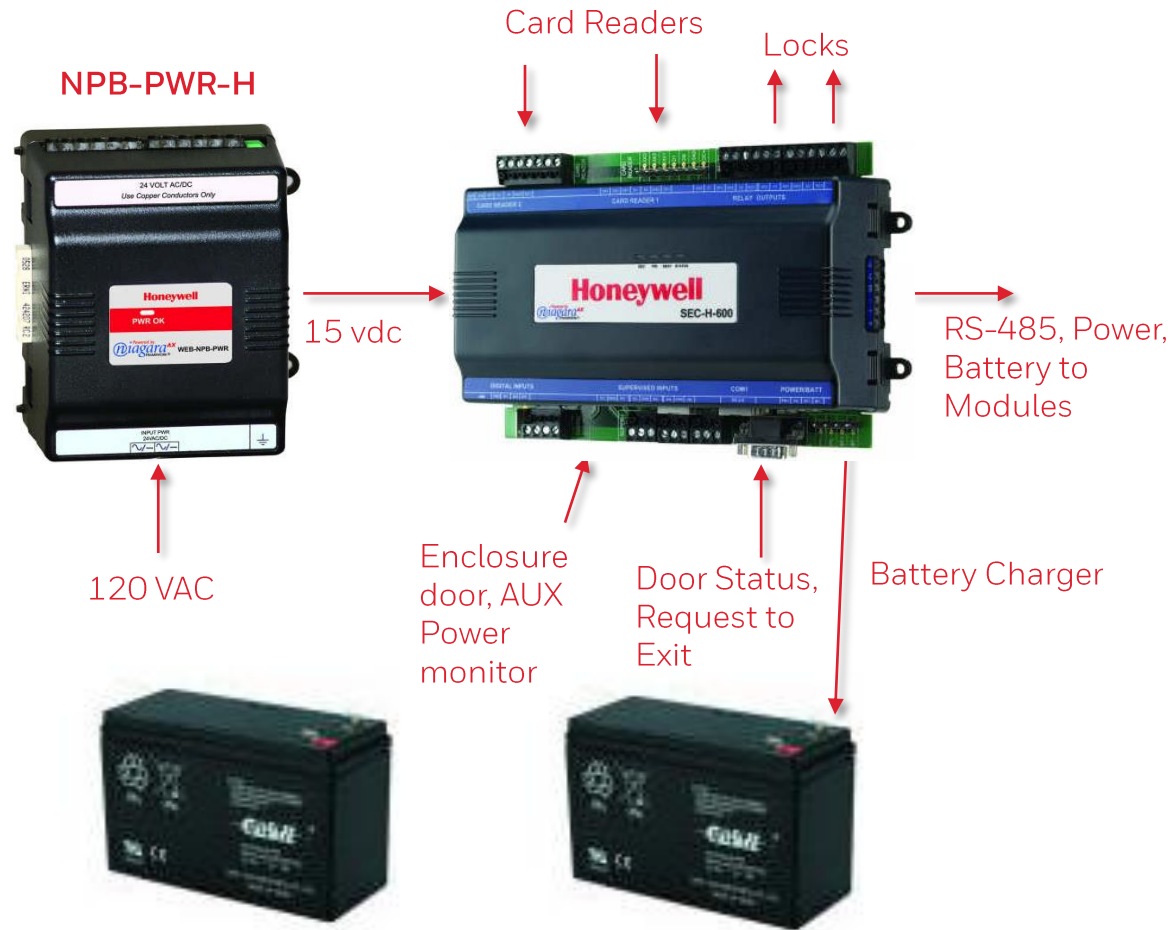
POST MIGRATION

1. Use the station copier to copy the station from the user home to the localhost
2. Set station to Auto-Start
3. Additional Details are available in the “Niagara AX to N4 Migration Guide,” and is located in the “docs” folder of the WEBs Workbench. This guide is included with the WEBs Enterprise Security build.

SECURITY WEB REPLACEMENT STEPS

SECURITY REPLACEMENT WITH WEB-8000

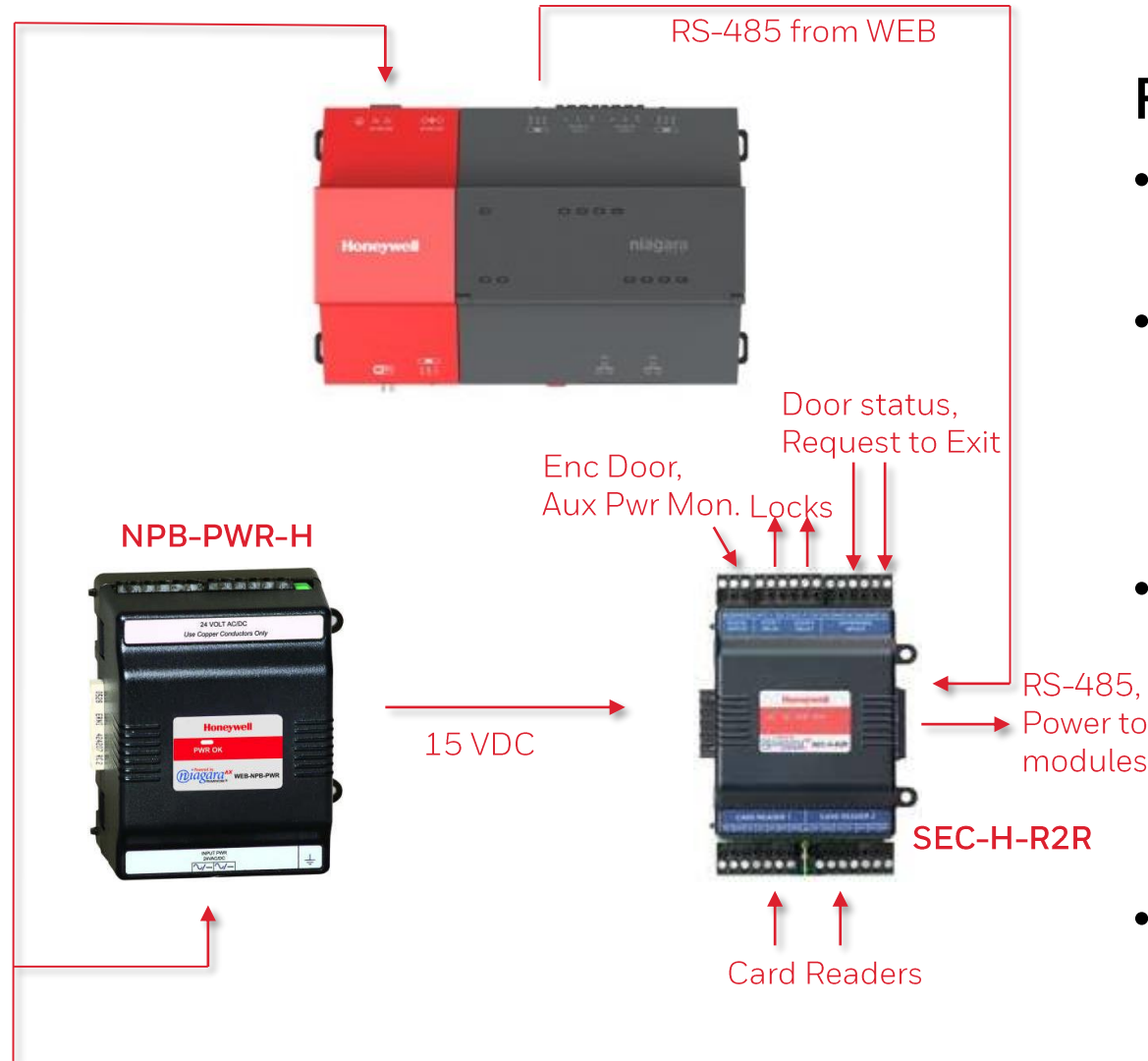
TYPICAL SECURITY WEB-6X, WEB-2X INSTALLATION



Features:

- 15 VDC Power to JACE
- On-board I/O for 2 security doors, 2 additional security inputs, 2 additional relay outputs, 2 DI
- Power and battery backup output to security modules
- On-board battery charger
- Battery and Power monitor service

TYPICAL WEB-8000 USED FOR SECURITY



Features:

- 24 VDC batter-backed Power to the WEB-8000.
- Software object for monitoring power automatically backs up the station. Power source must be monitored by an external module.
- 12-15 VDC power required for modules may be sourced from NPB-PWR-H connected to battery-backed 24 VDC power supply or 12 VDC battery-backed power supply.
- Special WEB platform for security no longer required. Security is a license option on the universal WEB-8000 platform.

24 VDC from UL 294 listed Power Supply with batteries

UPGRADE STEPS: PREPARATION

- 1. Backup security WEB-6X station.**
- 2. Note which access rights the readers on the BASE Board modules are mapped to.**
- 3. Install the Security Application on the WEB-8000.**
- 4. Copy the backed-up station to the WEB-8000.**
- 5. Add an R2R module to the WEB-8000 offline.**

UPGRADE STEPS: POINTS AND READERS

- 1. Map the physical points from the security WEB-8000 base board to the R2R modules.**
- 2. If additional points are needed, map these to spare points that exist in other system modules, or add another module if needed.**
- 3. Delete the base reader module from the WEB-8000 station.**
- 4. Map the newly reprogrammed readers to the appropriate access rights.**

UPGRADE STEPS: POWER

1. Add a “Power Panel” software object to the module whose physical points connect for monitoring the battery and primary power supply used for the WEB-8000.
2. Remove the AX Security WEB-8000, NPB-PWN-UN, and batteries from the enclosure.
3. Install the WEB-8000, NPB-PWR-H, and SEC-H-R2R in the enclosure. (There will be additional room in the enclosure where the batteries used to be.)
4. Install a 24 VDC battery-backed UL 294 listed power supply for the WEB-8000 and modules in the enclosure. Make sure to estimate the max power used by the WEB-8000 and modules, and allow 25% overhead.
5. Connect the NPB-PWR-H module to the 24 VDC power supply for the modules in the enclosure. **NOTE: Modules are powered by 12-15 VDC. Powering the modules from the 24 VDC power supply will damage the modules and may damage connected card readers!**

UPGRADE STEPS: I/O

- 1. Connect the I/O that was wired to the WEB-8000 to the SEC-H-R2R (and others if used).**

Depending on cable length, you may be able to remount the connectors on the new module(s).

- 2. Discover new modules and match to the modules that were added off line.**
- 3. Update the module firmware if needed.**

SAMPLE LAYOUTS- SECURITY/WEB-8000

Installed in Large Security Enclosure

Top Rail Installation options

