

## Access Control Manager<sup>™</sup> 6.22.0.7 Release Notes

Version 6.22.0.7 – Released Friday, July 23, 2021

### Files Released

#### Avigilon Access Control Manager Physical Appliance Files

- ACM-6.22.0.7-20210720-013404.upgrade

#### Avigilon Access Control Manager Virtual Appliance Files

- ACM\_VM\_6.22.0.7.zip
- appliance\_acm-5.2-acm\_6.22.0.7-20210719.191713-genericx86-64\_vm\_hyper-v.zip

### Upgrade Path

**NOTE:** ACM 6.22.0.7 is not compatible with previous versions to 6.14.20.2 of ACC/ACM Integration. Avigilon recommends upgrading existing ACC/ACM integrations to current versions of ACM and ACC.

**NOTE:** ACM 6.22.0.7 is not compatible with previous versions to 1.2.0.0 of Milestone VidProxy Services.

1. Always perform a configuration and transactions backup of the current version prior to any upgrade and save to a secure location.
2. There is no direct upgrade path to ACM 6.22.0.7 from ACM 6.0.0. The system must first be upgraded to ACM 6.2.0 then to 6.22.0. Please refer to the 6.22.0.7 upgrade release notes for further information.
3. There is no direct upgrade path to ACM 6.2.0 from ACM 5.12.2. The ACM 5.12.2 system must first be upgraded to ACM 6.0.0 then to 6.2.0.
4. There is no direct upgrade path to ACM 5.12.0 SR2 from revisions prior to ACM 5.10.2. The system must first be upgraded to ACM 5.10.2 and then to 5.12.0 SR2.
5. There is no direct upgrade path to ACM 5.10.2 from revisions prior to ACM 5.6.0. The system must first be upgraded to ACM 5.6.0 and then to 5.10.2.
6. There is no direct upgrade path to ACM 5.6.0 from revisions prior to ACM 5.2.0. The system must first be upgraded to ACM 5.2.0 and then to 5.6.0.
7. Please refer to the upgrade release notes for further information.
8. Download upgrade file from <https://www.avigilon.com/software-downloads/>

## ACM Upgrade Instructions

**Perform a full backup (configuration and transactions) of the current version prior to applying this upgrade**

1. Manual door modes set thru the UI or via global actions will be reverted to scheduled door modes following the upgrade
2. Replication must be disabled on all appliances prior to upgrade (Previous ACM upgrades required replication to be active to complete properly, this is not the case for ACM 6.22.0.7)
3. Upgrades are supported on ACM Professional (Dell OptiPlex XE2, XE3) ACM Enterprise (Dell PowerEdge R210, R220, R230 and R240) and Enterprise PLUS (Dell PowerEdge R330 and R340)
4. The appliance will be offline from clients and controllers for the duration of the process
5. Avoid running reports on the appliance for a few hours after the upgrade. The upgrade process will continue in the background performing a postgres reindex once the appliance is back online with clients and controllers
6. ACM Virtual, please take a snapshot and check the system to ensure storage is not over allocated before proceeding with the upgrade and have a minimum of 500GB disk free space
7. ACM Virtual instances should have VMNic1 and VMNic2 connected in the VMWare host prior to performing ACM 6.22.0.7 upgrade
8. Identity account may require inactivity timer set to indefinite for extended upgrade times to observe status without requiring to log in and observe logs under appliance
9. The upgrade instructions can be found in Access Control Manager (ACM) help menu
  - a. After logging in to Access Control Manager, click on “Appliance” under Setup and Settings
  - b. Go to the “Software Update tab” and select Help near the top right of the browser window
  - c. Search for the link labelled “updating appliance software” for ACM upgrade instructions
  - d. Follow the instructions to apply the ACM 6.22.0.7 upgrade
  - e. Wait for the system to reboot
  - f. After upgrade is complete, login to open ACM 6.22.0.7
  - g. If the default password has never been changed, there will be a one-time prompt to change your default password.

## ACM Virtual Appliance

1. Importing ACM Virtual Appliance ACM\_VM\_6.22.0.7.ova requires a minimum of **vSphere version 6.5**
2. Importing ACM Virtual Appliance appliance\_acm-5.2-acm\_6.22.0.7-20210719.191713-genericx86-64\_vm\_hyper-v.zip requires a minimum of **Windows Hyper-V Generation2**

## ACM with replication Upgrade Instructions for Peer-to-Peer (2 or more appliances without Hot Standby)

1. For the ACM 6.22.0.7 upgrade on a replicated system, Avigilon recommends using the Admin account only to perform the upgrade.
2. For the ACM 6.22.0.7 upgrade on a peer-to-peer replicated system, disable the replication on all appliances.
3. Apply the software upgrade to all appliance in any order
4. Allow the upgrade on all appliances to complete and the appliances to reboot and come back online.
5. Accept the EULA for all appliances.
6. Re-enable replication on all appliances.

## ACM with replication Upgrade Instructions for Hot Standby Auto Failover

1. Perform a configuration and transactions backup of ACM 6.22.0.7 and save to secure location.
2. For the ACM 6.22.0.7 upgrade on a replicated system, Avigilon recommends using the Admin account only to perform the upgrade.
3. For the ACM 6.22.0.7 upgrade on a hot standby replicated system, manually failover to let the secondary appliance take over the session.
4. Disable replication on both appliances.
5. Apply the upgrade to the primary appliance and accept the EULA once it completes.
6. On the secondary appliance replication page, click “Fail back” and make sure the primary appliance takes over the session.
7. Upgrade the secondary appliance and accept the EULA once it completes.
8. Re-enable replication on both appliances.

## ACM with replication Upgrade Instructions for 4 mixed peer to peer and Hot Standby Auto Failover

1. Perform a configuration and transactions backup of ACM 6.22.0.7 and save to secure location.
2. Appliance 1 and 2 are peer to peer; appliances 3 and 4 are failover appliances monitoring 1 and 2 respectively.
3. On appliance 3 and 4, navigate to appliance replication page, click on take over button on appliance 3, 4. Make sure that appliance 3, 4 take over the control from appliance 1, 2 successfully. Observe that panels are online on appliance 3
4. Navigate to the appliance replication tab on each appliance. Uncheck enable replication and save the configuration on each appliance
5. Upload upgrade file to appliance 1 and 2. Apply the upgrade files on 1 and 2
6. Wait till upgrade finishes successfully on appliance 1 and 2. Accept the EULA.
7. Navigate to appliance 3 and 4's appliance replication tab, click on fail back button on appliance 3,4. Make sure appliance 1, 2 take the control back successfully (First try might not succeed, try multiple times). Observe that panels are online on appliance 1
8. Upload upgrade file to appliance 3 and 4. Apply the upgrade files on 3, 4
9. Wait till upgrade finishes successfully on appliance 3 and 4. Accept the EULA.
10. Navigate to appliance replication page on each appliance, check enable replication and save the configuration on each appliance

***NOTE:** If you have a scenario where one Hot Standby is monitoring multiple appliances, you should upgrade each monitored appliance one at a time by using the Hot Standby in turns and update the Hot Standby last.*

## Changes

### New Features

- Support for 2 new door modes for SALTO doors:
  - Exit Leaves Open
  - Toggle + Exit Leaves Open
- Support for Microsoft Hyper-V (new virtual files available for download)
- Add ability to add custom text to report header and footer (PDF)
- Change Password on Next Login
  - Give the ability to the administrator to request an operator to update his/her password at the next login.
- Mobile application: ACM Expedite
  - ACM Expedite provides operators with quick access to global actions to perform daily operations and respond to critical events on-the-go.

## Fixed Issues

- Added missing delegation to the built-in 'ACC Administrator' role (Doors Grant, Identities Listing, Partitions List)
- Moved Schlage WiFi locks settings from the system settings to the external systems page, under the Schlage tab.
- Corrected issue where ASSA ABLOY doors inherited the partition of the ASSA ABLOY panel (Door Service Router).
- Corrected issue when presenting a valid credential to an ASSA ABLOY IP door when deadbolt is engaged does not generate any event in ACM.
- Corrected issue when a token cannot be reassigned to a door after the ASSA ABLOY door or the ASSA ABLOY panel it was previously assigned to has been deleted.
- Corrected issue when ASSA ABLOY IP doors status was incorrect.
- Corrected issue with downloading tokens to multiple doors from multiple Door Service Routers.
- Corrected issue preventing SCP backup, Windows Share backup and collaboration to work.
- Corrected issue where the "2-person control" field of an area cannot be activated when the area already contains doors.

## ACM Known Issues

- Issue: ACM-ACC Unification - ACM-ACC communication failures  
Description: ACM may intermittently become unresponsive and give an error message due to the size and specific setup of a large ACC-ACM integration. The connected ACC server could show connection errors to ACM frequently if the simultaneous operators limits are exceeded.  
Affected Version: ACM 5.12.2.31 forward  
Workaround: Avoid connecting more than 20 simultaneous operators for an Enterprise appliance and more than 50 for an Enterprise Plus appliance.  
Fix: Scheduled to be corrected in a future release.
- Issue: Force password change is enforced on remote authentication  
Workaround: Disable 'Force password change' when using remote authentication  
Fix: Scheduled to be corrected in a future release.

## Firmware Included

### Controller Firmware:

- **HID VertX V1000/V2000**
  - rcp-update-1.8.2.4
- **Mercury Security**
  - EP1501-VER-1-29-1-0633.crc
  - EP1501-VER-1-29-2-0634.crc
  - EP1502-VER-1-29-1-0633.crc
  - EP1502-VER-1-29-2-0634.crc
  - EP2500-VER-1-29-1-0633.crc
  - LP1501-VER-1-29-1-0633.crc
  - LP1501-VER-1-29-4-0647.crc
  - LP1502-VER-1-29-1-0633.crc
  - LP1502-VER-1-29-4-0647.crc
  - LP2500-VER-1-29-1-0633.crc
  - LP2500-VER-1-29-4-0647.crc
  - LP4502-VER-1-29-1-0633.crc
  - LP4502-VER-1-29-4-0647.crc
  - M5IC-VER-1-27-1.crc
  - M5IC-VER-1-27-5.crc
  - MSICS-VER-1-27-1.crc
  - MSICS-VER-1-27-5.crc
  - pivCLASS-Embedded-Auth-Removal\_Pkg\_01\_00\_00\_#14.crc
  - pivCLASS-Embedded-Auth\_Pkg\_05\_10\_27\_#145.crc
  - Scp2-AES-VER-3-120.crc
  - Scp2-VER-3-120.crc
  - ScpC-AES-VER-3-120.crc
  - ScpC-VER-3-120.crc
  - ScpE-AES-VER-3-120.crc
  - ScpE-VER-3-120.crc

### Sub-Panel Firmware:

- **Mercury Security**
  - M5-16DO-APPL-VER-1-32-2.aax
  - M5-16DOR-APPL-VER-1-32-2.aax
  - M5-20IN-APPL-VER-1-32-2.aax
  - M5-20IN-APPL-VER-1-32-3.aax
  - M5-2K-APPL-VER-1-56-15.aax
  - M5-2K-APPL-VER-1-57-12.aax
  - M5-2K\_APPL-VER-1-57-6.aax
  - M5-2RP-APPL-VER-1-57-12.aax

- o M5-2RP-APPL-VER-1-57-3.aax
- o M5-2RP-APPL-VER-1-58-6.aax
- o M5-2SRP-APPL-VER-1-57-12.aax
- o M5-2SRP-APPL-VER-1-57-3.aax
- o M5-2SRP-APPL-VER-1-58-6.aax
- o M5-8RP-APPL-VER-1-57-15.aax
- o M5-8RP-APPL-VER-1-57-5.aax
- o M5-8RP-APPL-VER-1-57-9.aax
- o MI-RS4-APPL-VER-1-57-3.aax
- o MI-RS4-APPL-VER-1-57-6.aax
- o MR16IN-APPL-VER-3-20-4.aax
- o MR16IN-APPL-VER-3-21-10.aax
- o MR16IN-SER2-APPL-VER-1-32-2.aax
- o MR16IN-SER3-APPL-VER-3-21-0.aax
- o MR16OUT-APPL-VER-3-20-4.aax
- o MR16OUT-APPL-VER-3-21-10.aax
- o MR16OUT-SER2-APPL-VER-1-32-2.aax
- o MR16OUT-SER3-APPL-VER-3-21-0.aax
- o MR50-APPL-VER-3-20-4.aax
- o MR50-APPL-VER-3-21-10.aax
- o MR50-SER2-APPL-VER-1-53-15.aax
- o MR50-SER2-APPL-VER-1-54-4.aax
- o MR50-SER3-APPL-VER-3-21-0.aax
- o MR51E-SER2-APPL-VER-1-8-14.aax
- o MR51E-SER2-APPL-VER-1-8-4.aax
- o MR52-APPL-VER-3-20-4.aax
- o MR52-APPL-VER-3-21-10.aax
- o MR52-SER1-APPL-VER-1-11.aax
- o MR52-SER2-APPL-VER-1-58-11.aax
- o MR52-SER2-APPL-VER-1-59-0.aax
- o MR52-SER3-APPL-VER-3-21-0.aax
- o MR62E-SER3-APPL-VER-3-21-0.aax
- o MR62E-SER3-APPL-VER-3-21-10.aax
- o MRDT-APPL-VER-1-63-0.aax
- o MRDT-APPL-VER-1-63-4.aax
- o MRDT-APPL-VER-1-63-8.aax
- o MS-ACS-APPL-VER-1-0-5.aax
- o MS-ACS-APPL-VER-1-0-6.aax
- o MS-ACS-APPL-VER-1-00-10.aax
- o MS-I8S-APPL-VER-1-0-1.aax
- o MS-R8S-APPL-VER-1-0-2.aax
- o MS-R8S\_APPL-VER-1-0-1.aax