

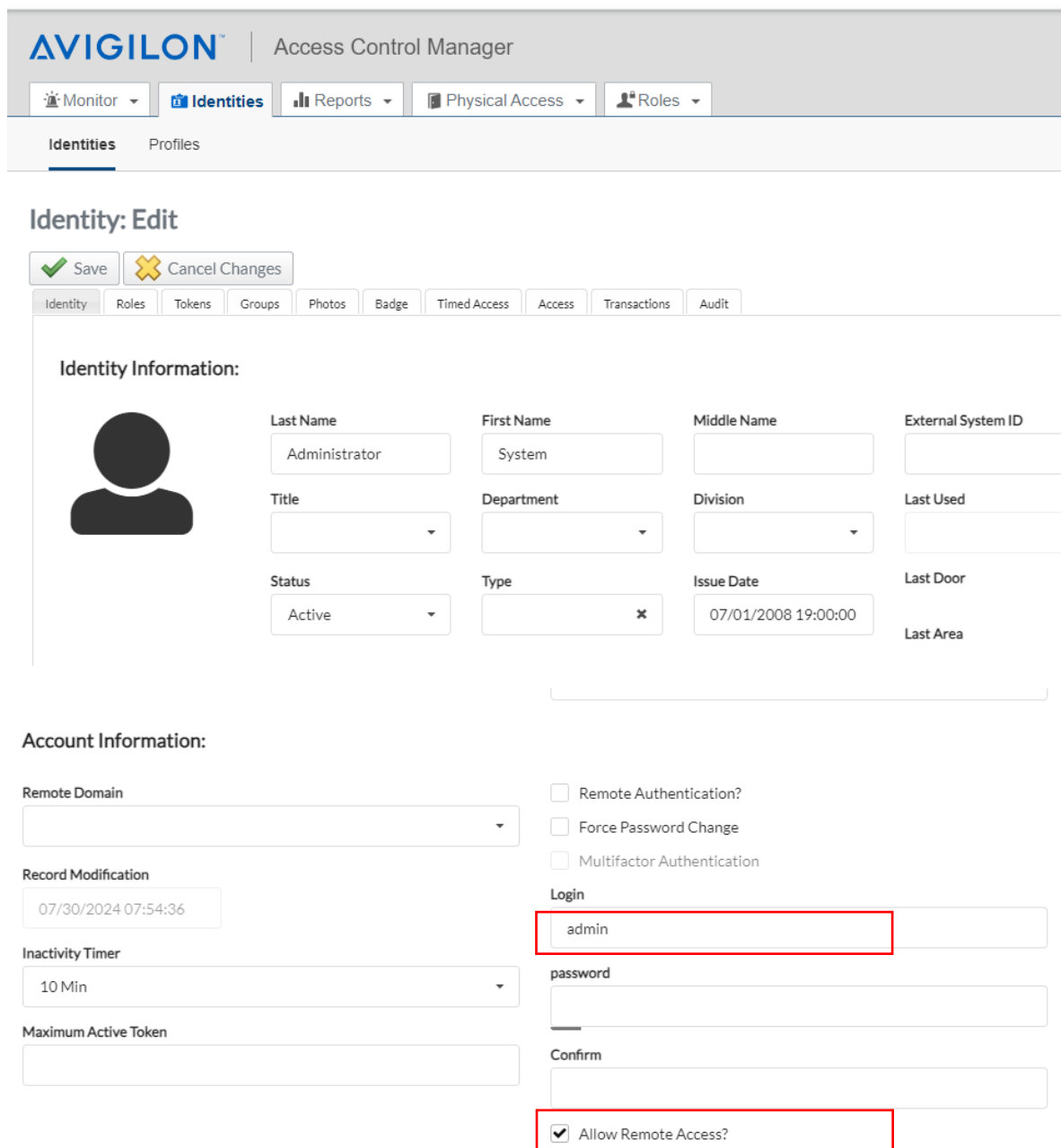
ACM Avigilon Plugin for Idemia v 1.0.14.2

1. Supported Versions:

- 1.1. ACM Avigilon version 6
- 1.2. Idemia Morpho Manager 15 or higher
- 1.3. Windows 10 or higher

2. Prerequisites:

2.1. Configure ACM User for remote connection.



The screenshot displays the 'AVIGILON Access Control Manager' interface. The 'Identities' tab is selected, and the 'Identity: Edit' form is shown. The form includes fields for Identity Information (Last Name, First Name, Middle Name, External System ID, Title, Department, Division, Last Used, Status, Type, Issue Date, Last Door, Last Area) and Account Information (Remote Domain, Record Modification, Inactivity Timer, Maximum Active Token, Remote Authentication, Force Password Change, Multifactor Authentication, Login, Password, Confirm, Allow Remote Access?). The 'Login' field is highlighted with a red box, and the 'Allow Remote Access?' checkbox is also highlighted with a red box.

Identity Information:

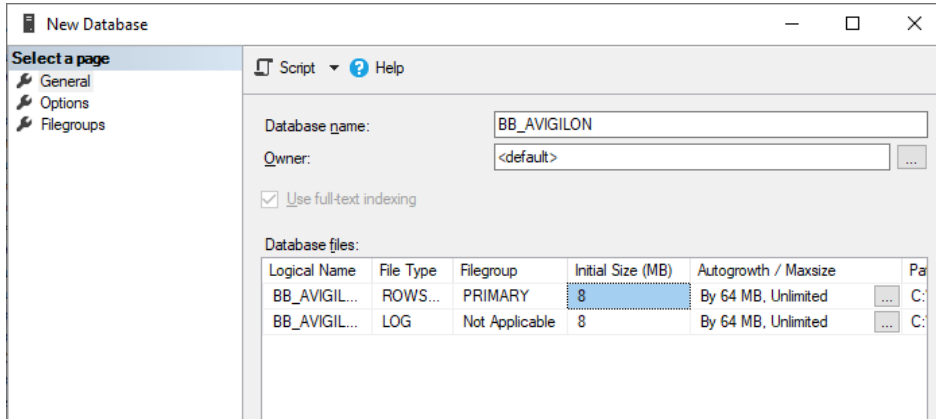
Field	Value
Last Name	Administrator
First Name	System
Middle Name	
External System ID	
Title	
Department	
Division	
Last Used	
Status	Active
Type	
Issue Date	07/01/2008 19:00:00
Last Door	
Last Area	

Account Information:

Field	Value
Remote Domain	
Record Modification	07/30/2024 07:54:36
Inactivity Timer	10 Min
Maximum Active Token	
Remote Authentication?	☐
Force Password Change	☐
Multifactor Authentication	☐
Login	admin
Password	
Confirm	
Allow Remote Access?	☒

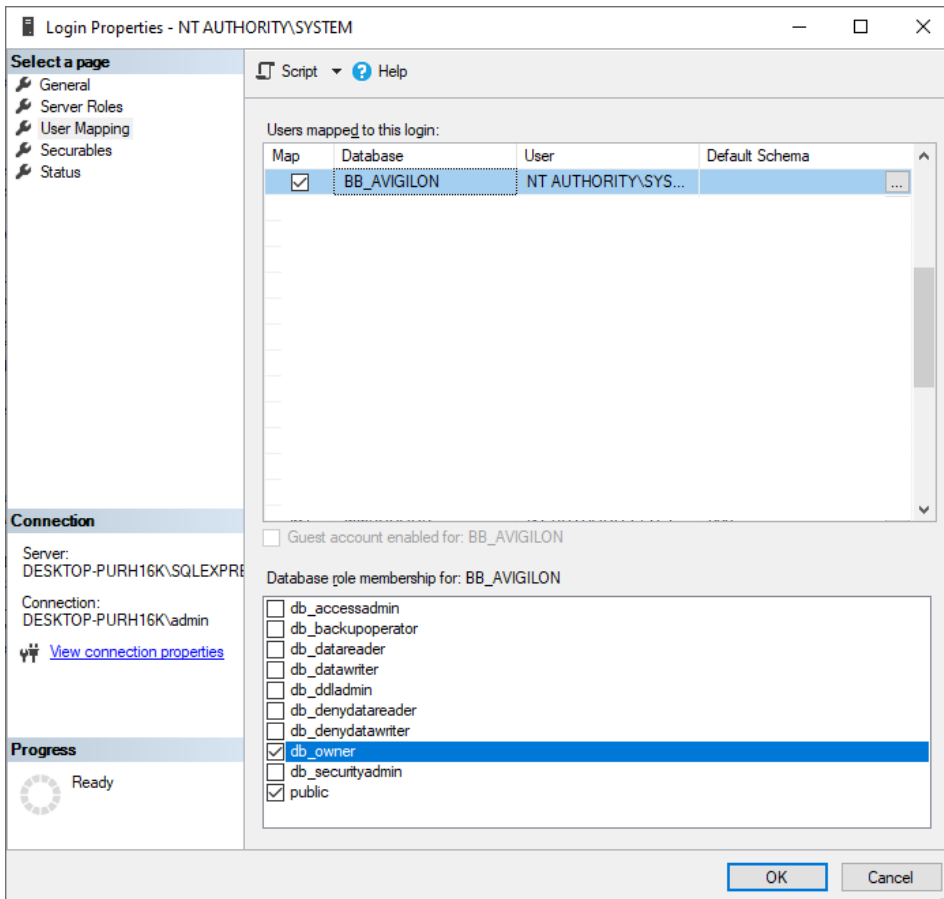
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- 2.2. Create a Sql Server database for MorphoManager **Universal Bio Bridge** (UBB). You can use the default configuration.



Logical Name	File Type	Filegroup	Initial Size (MB)	Autogrowth / Maxsize	Path
BB_AVIGIL...	ROWS...	PRIMARY	8	By 64 MB, Unlimited	C:\...
BB_AVIGIL...	LOG	Not Applicable	8	By 64 MB, Unlimited	C:\...

- 2.3. Add local system account to run with trusted connection if you desired. In other hand, please add a new user and password to own this new database. ACM Setup schemas will use this new created database.



Map	Database	User	Default Schema
☒	BB_AVIGILON	NT AUTHORITY\SYS...	...

☐ Guest account enabled for: BB_AVIGILON

Database role membership for: BB_AVIGILON

- ☐ db_accessadmin
- ☐ db_backupoperator
- ☐ db_datareader
- ☐ db_datawriter
- ☐ db_denydatareader
- ☐ db_denydatawriter
- ☒ db_owner
- ☐ db_securityadmin
- ☒ public

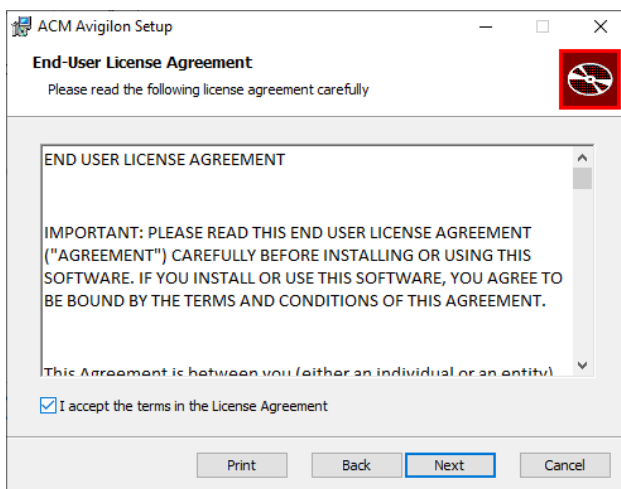
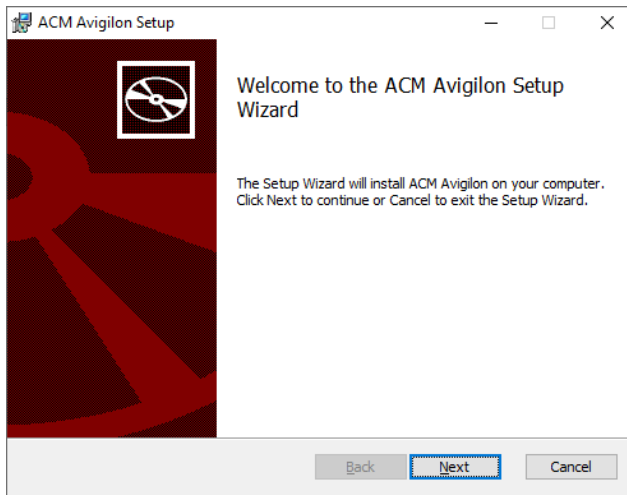
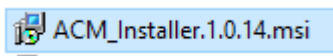
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2.4. Download .Net frameworks and install them.

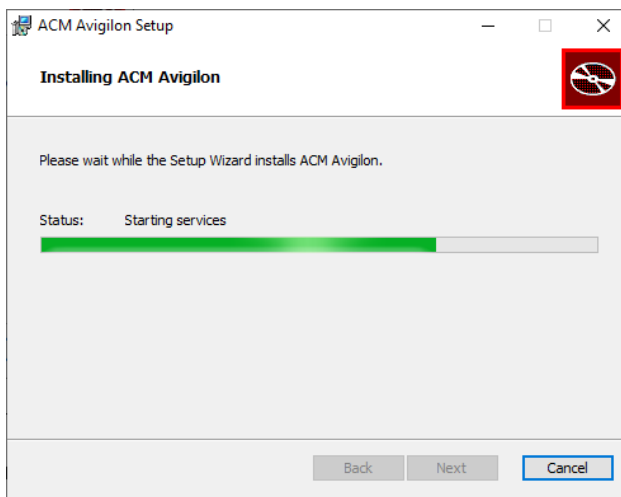
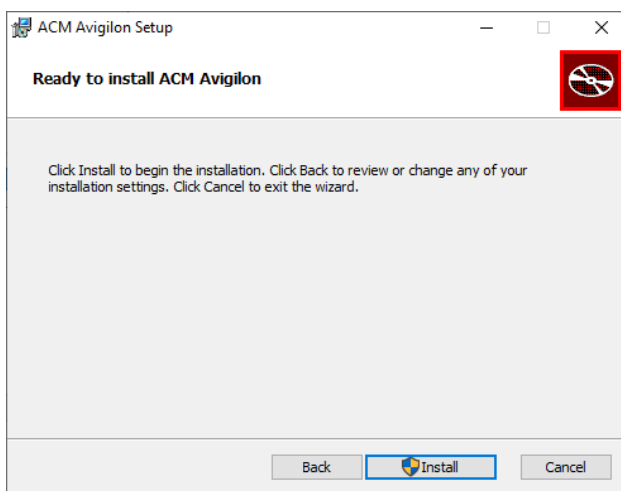
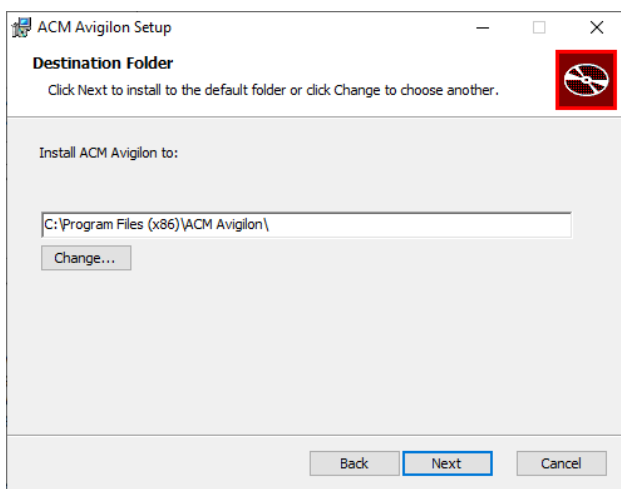
2.4.1. <https://dotnet.microsoft.com/en-us/download/dotnet/thank-you/runtime-6.0.33-windows-x64-installer>

2.4.2. <https://dotnet.microsoft.com/en-us/download/dotnet/thank-you/runtime-desktop-6.0.33-windows-x64-installer>

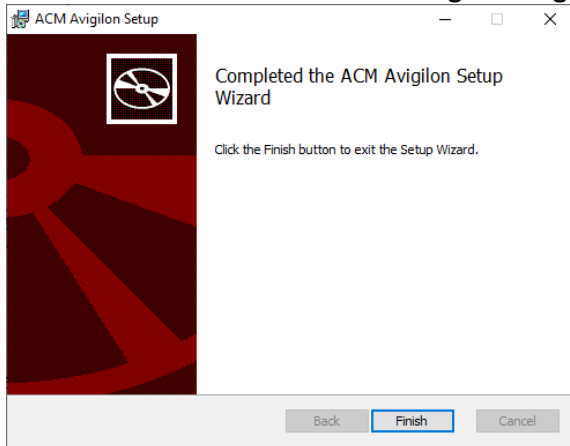
3. Installing ACM plugin



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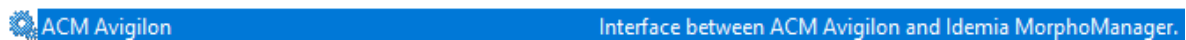


4. Post Installation:

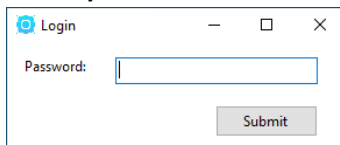
After installation, it should be an icon in desktop named ACM Setup



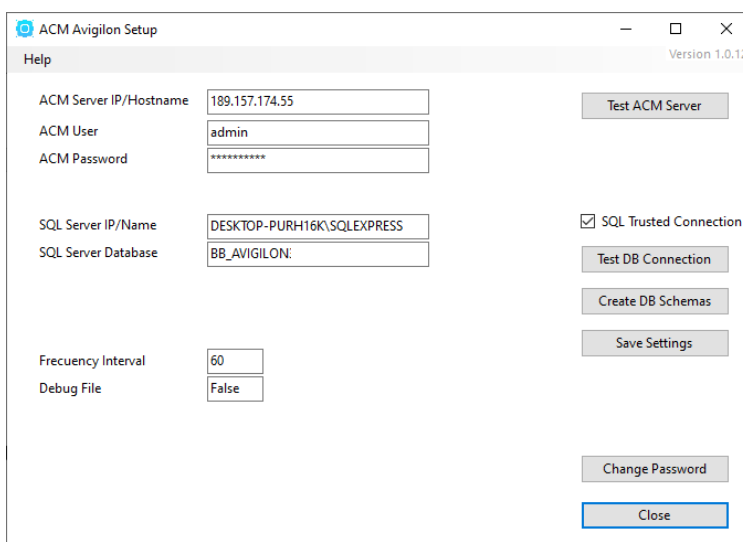
In addition, a service named ACM Avigilon



- 4.1. When, open ACM Setup it appear a password box. The default password is:
defaultpassword



- 4.2. You can change later this password.



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5. Description of ACM Avigilon Setup:

ACM Server IP / Hostname: only the ip address o hostname, without https://

ACM User: the login name in account description of the administrator or designed user

TEST ACM Server: Test access to the ACM server using the username and password you provided

SQL Server IP/Name: SQL Server Name \ Instance name

SQL Server Database: Name of database create early

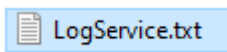
SQL Trusted Connection: Use trusted connection to connect SQL database

Test DB Connection: Test access to the SQL server using the username and password you provided or Trusted Connection if check is true

Create DB Schemas: Create or re-create the necessary object in SQL database. WARNING: If the objects already exist, they will be deleted before being recreated.

Frequency Interval: The interval in seconds to monitor ACM changes. It should be greater or equal to 60 second

Debug File: False / True. If it is True, it create a file LogService.txt for debug task. This file can be find in system program file of installed application



6. Caveats:

1. During the initial setup or after changes to specific parameters, you should restart this service.
2. The first time, all users will be synchronized. After that, the plugin will only look for new changes on the identity page.
3. This tool is triggered by actions in Identity page. For smooth operation, please ensure that a final change on this page have already been made.
4. When a user is Deleted, it could cause that user will not be replicate immediately, instead of that, disable it and after a few minutes you can deleted.
5. You should restart this service, as well as the Morpho Manager Service, after applying a massive user deletion in ACM.