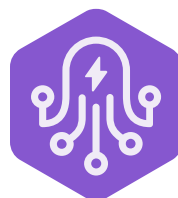


Avigilon Partner Integrations

Motorola Solutions
Access Control Manager
Traka Integration

Author: Octeam
Date: 5-3-2022
Revision: 1c



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1. Company Overview

Founded in 2010, Octeam is a trusted expert in security solutions and integrations. Our industry-focused developers and UX designers build beautifully designed, platform-agnostic solutions that integrate with physical access control systems (PACS) and security technology. Working with companies of all sizes—from local single-location organizations to global Fortune 500 clients—Octeam meets specific needs using the latest software, consulting professional and managed services solutions.

www.octeam.com

2. Company Capabilities

Every Octeam project is put through our lens of years of experience successfully deploying and maintaining high-level security solutions. Your team benefits from our industry-leading insights and expertise in access control and video solutions.

Design & Development - We discover, design and develop personalized solutions that maximize your operating efficiencies.

Professional Services - Octeam's experts in physical access control and electronic security systems help plan, execute and manage small to large-scale initiatives.

Managed Services - Octeam's technology experts partner with your company as a contingent worker to fully understand your safety and security initiatives.

Consulting & Advisement - Our team uses deep industry expertise to advocate for your organization's security and safety.

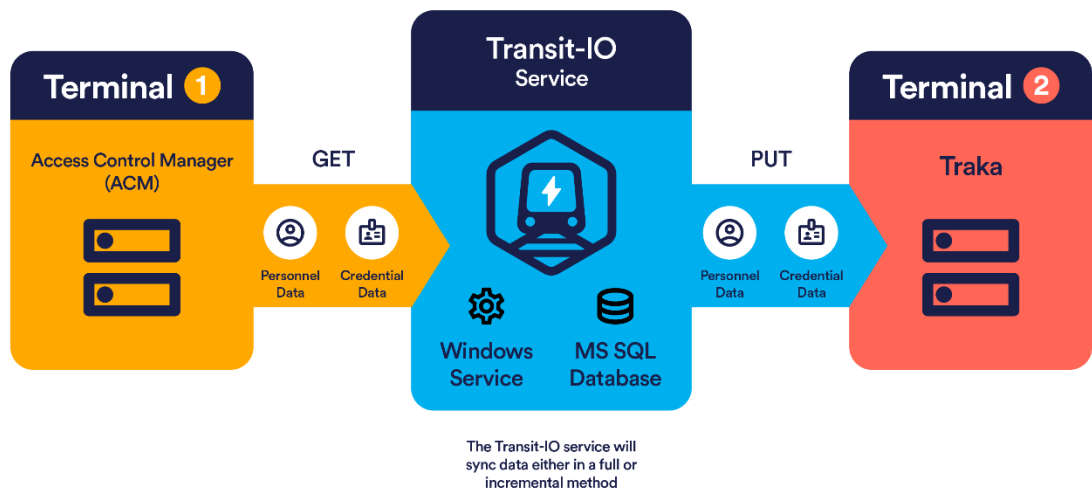
3. Integration Introduction

The purpose of this System Requirements Specification is to document the functional requirements for ACM – Traka Integration via Transit-IO. Transit-IO is a data engine that normalizes data in order to provide the information to the destination system in an organized manor. It can normalize data from one or many sources, and provide the data to one or many destinations. For this integration, we will be focusing on the single source of ACM going into a single destination of Traka.



4. Integration Benefits

- Easily manage multiple systems from ACM.
- The integration will take the ACM identity and a single ACM token and transfer it to Traka on a specified interval.
- All Traka access will be assigned via ACM based on a role prefix (default is Traka_[Role Name]).
- Automicate Traka “Item Access Group” creation when an ACM role has Traka_ prefix.



5. Integration Details

Integration will be responsible for the following:

- Creation of Traka Item Access Groups for any role matching Traka_ (or other prefix)
 - o If Item Access Groups are already created, we can discuss the possibility of linking the existing groups.
- Creation of all Traka users and CardID who are assigned a role matching Traka_ (or other prefix)
- Assignment of any Traka_ roles in Avigilon to the Traka user.
- Disabling users in Traka that are no longer assigned Traka_ roles, their identity is not active, or their token is not active in ACM.

6. Required Licensing

This integration will require the following features:

- Avigilon Licensing
 - o ACM XML Event Collaboration
 - This is current included in ACM as of version 6.X.
 - o ACM Rest API
 - This is purchased from the ACM price book (AC-SW-LIC-REST-6-P)
- Traka Licensing
 - o TrakaWeb
 - o TrakaIntegration Suite

7. System Requirements

The integration will require one of each of the following:

- Windows Server 2016 or 2019
 - o Virtual or physical is accepted
 - o CPU:
 - o RAM: 16GB or more.
 - o Hard Drive: 50GB of available space or more.
 - This can be large or smaller and will be based on your retention policy of the Transit-IO logging and data.
 - o Network: Able to connect to ACM and Traka over their specified ports.
- SQL Server
 - o SQL Express or full version are supported
 - SQL Express (as of 2019) is limited to 10GB of data storage, 1410MB of RAM, and 1 CPU socket with up to 4 cores.
 - o Connecting to an existing SQL Server database is supported.
 - Using the Traka SQL Server is common
 - o Requires SQL Server Management Studio access.
 - o The installation and configuration of SQL Server is preferred to be completed prior to the installation of Transit-IO
- An Avigilon ACM user with read access to Rest API, Identities, Tokens, and Roles.
- A Traka user with read and write access to Rest API, Users, Cards, Item Access Groups, and assignment of Item Access Groups.
- Remote connection to the above servers for installation and configuration.



8. Testing Plans

1. Create identity with no token or roles
 - a. Identity will not be transferred to Traka
2. Create identity with 1 token and no roles
 - a. Identity will not be transferred to Traka
3. Create identity with 1 token and 1 role that is not Traka_
 - a. Identity will not be transferred to Traka
4. Create identity with 1 token and 1 role that is Traka_
 - a. Identity will be transferred to Traka
 - b. Item Access Group will be created in Traka
 - c. Ensure all data is transferred correctly
5. In Traka, add keys to the newly created Item Access Group and test the Traka reader
 - a. Access should be granted to the keys added to the group
6. Modify identities token to a status other than Active
 - a. Ensure the status is changed in Traka
 - b. Ensure access is revoked when swiping on Traka reader
7. Change token status back to active
 - a. Ensure the status is changed in Traka
 - b. Ensure access is returned when swiping on Traka reader
8. Modify identity status to a status other than Active
 - a. Ensure the status is changed in Traka
 - b. Ensure access is revoked when swiping on Traka reader
9. Change token status back to active
 - a. Ensure the status is changed in Traka
 - b. Ensure access is returned when swiping on Traka reader
10. Remove all Traka_ roles from the identity
 - a. Ensure the Traka user is disabled
 - b. Note: Roles may not be removed when the user is disabled
 - c. Ensure access is revoked when swiping on Traka reader

9. Limitations

- Current integration only allows for a single token to be transferred to Traka
- Item Access Groups need to be created by the integration, unless configuration is done during deployment to link to existing Item Access Groups.



10. Regional Availability

Octeam is based on the east coast of The United States, therefore primarily works with AMER and EMEA. We are always willing to discuss assisting customers outside of these locations if the partner and customer are willing to adapt to our support hours.

11. Support Plans

When Transit-IO is purchased, it will include one year of support from the date of deployment for free. After the first year, there is an optional support plan that can be purchased to allow customers to receive support and updates on Transit-IO.

12. Support Hours

- Monday – Friday 9:00AM – 5:00PM EST
 - o Except major US Holidays
 - o Support outside of normal business hours is available for purchase if required.
- Support Languages
 - o English

13. Transit-IO Terminal Integration Feature Matrix

The below chart shows the other terminals available for use with Transit-IO.

Terminal	Directionality	Sync method	Version	Identity	Credential	Access	Photo	Notes
OnGuard	SOURCE	FULL LIVE	7.6 8.0	✓	✓	✗	✗	
C-Cure	SOURCE	FULL LIVE	2.80 2.70 coming soon 2.90 coming soon	✓	✓	✗	✗	
Genetec	SOURCE	FULL	5.9 5.8	✓	✓	✗	✗	
Safetrust	DESTINATION	FULL	v0 v3	✓	✓	✗	✗	
SQL	SOURCE DESTINATION	FULL	2012, 2016, 2019	✓	✓	✓	✓	Any standard data tables or views are synced with another datasource
MSI Access Control Manager	SOURCE	FULL LIVE	6.x	✓	✓	✗	✗	
Traka	DESTINATION	FULL LIVE		✓	✓	✗	✗	

Updated 4/11/2022.



14. How to Purchase

Contact: Your Avigilon ACM Regional Sales Manager
or

Contact: Mike Austin - Director of Sales

Email: Mike@Octeum.com

Phone: 1.443.655.2224

