



# Alert Enterprise

## Guardian PACS Data Exchanger.

Seamless Data Migration Between  
Physical Access Control Systems



The Guardian PACS Data Exchanger is designed to facilitate the seamless migration of data from a legacy PACS to a new or replacement PACS system without losing critical user badge and access level details. This feature is particularly valuable during internal consolidations where organizations aim to unify multiple PACS systems under a single, widely used platform. The Guardian PACS Data Exchanger ensures that this transition is smooth, accurate, and swift, significantly reducing the risk of errors and downtime.

### Seamless Data Migration with the AlertEnterprise Guardian PACS Data Exchanger

Migrating from one physical access control system (PACS) to another can be a daunting task for Corporate Security teams within large enterprises. The challenges of maintaining security, minimizing downtime, and ensuring data integrity are significant. However, the AlertEnterprise Guardian platform offers a robust solution to these challenges with its PACS Data Exchanger feature.

#### Physical Access Control



### Ditch the Time-Demanding Migration: Simplify with Smart Automation

**MANUAL MIGRATION** and data cleanup is costly, time consuming and error prone. It is difficult to be aware of all security, safety and data privacy regulations and then implement them manually.

**MANUAL CONSOLIDATION** gives control to those who may be unfamiliar with complex attributes and data fields present in multiple PACS systems. Automation simplifies consolidation and ensures compliance with built-in industry specific controls.

# Key Use Cases



## Main Use Case: System Migration

The primary use case for the Guardian PACS Data Exchanger is the migration of data between PACS systems. This includes user badges, access levels, and historical event data. The tool is essential for organizations undergoing internal consolidation to a single PACS system type, ensuring a seamless transition without data loss.



## Intercompany Use Case: Travel and Visits

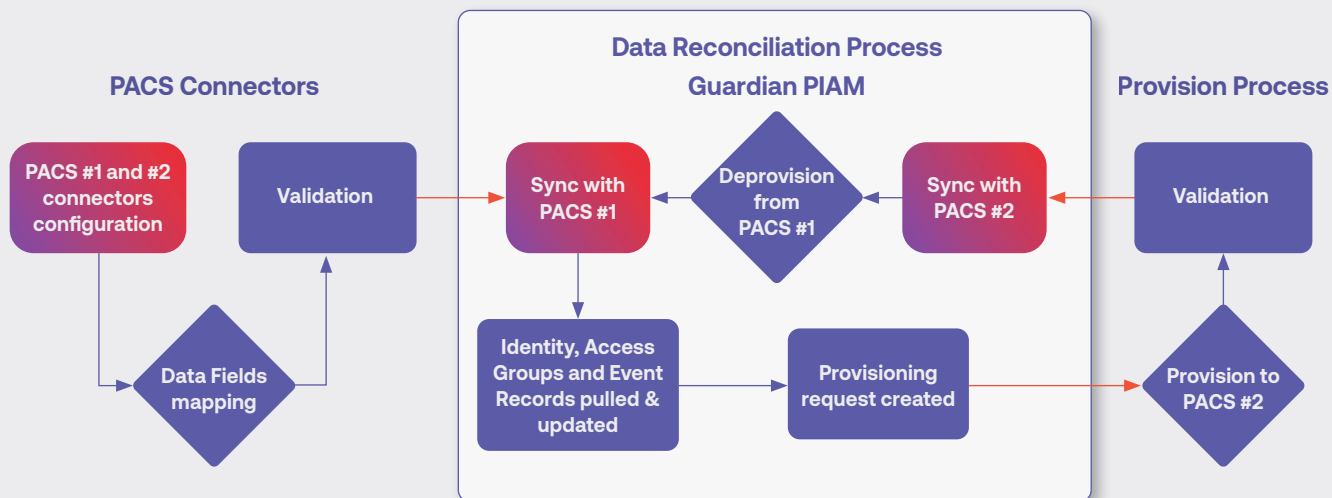
For companies that do not fully utilize PIAM (Physical Identity and Access Management) functionality but still require intercompany travel and visit records, the Guardian PACS Data Exchanger enables the exchange of PACS records on the fly. This ensures that employees and visitors can move between facilities without access issues.



## General Consolidation

The Guardian PACS Data Exchanger supports ongoing, live data exchanges between multiple PACS systems connected through Guardian, even if these systems do not have a direct connection with each other. This feature ensures continuous data synchronization across different systems.

## Data Reconciliation & Provision Process





# Main Features of the Guardian PACS Data Exchanger

## Reconciliation and Mapping

The tool can sync existing user records, including names, departments, badge information, photos, access levels, and event histories, with the Guardian PIAM. It uses a standardized data fields model to map and reconcile data from various PACS systems, ensuring compatibility and data integrity.

<input type="checkbox"/>	Code	Type	Name ↕	Description	Environment	Category
<input type="checkbox"/>	SYS-000009	AMAG Connector	AMAG Mobile	AMAG Symmetry Mobil...	QA	CIP
<input type="checkbox"/>	SYS-000021	LenelS2 NetBox	LenelS2 NetBox	LenelS2 NetBox	PROD	CIP
<input type="checkbox"/>	SYS-000022	LenelS2 NetBox	LenelS2 Netbox new	LenelS2 Netbox new	PROD	CIP
<input type="checkbox"/>	SYS-000015	AMAG Connector	AMAG 9.1	AMAG 9.1	QA	CIP
<input type="checkbox"/>	AE-SYS-000011	AMAG Connector	AMAG	AMAG Connector	QA	CIP
<input type="checkbox"/>	SYS-000020	Lenel	Lenel 245	Lenel 245	PROD	Lenel
<input type="checkbox"/>	SYS-000041	CCURE 9000	CCURE 9000			
<input type="checkbox"/>	SYS-000016	Lenel	Lenel			
<input type="checkbox"/>	SYS-000046	CCURE 9000	CCURE 9000_28			

Mapping Type	Entity	AE Field Name	System Field Name
Recon	User Data	lastName	LastName
Provisioning	User Badge ...	cardformat	Badge.CHUIDFormatID
Provisioning	User Data	masteridentityid	Text12
Recon	User Data	firstName	FirstName
Recon	Role Data	type	type
Recon	User Data	masteridentityid	Text12
Provisioning	User Badge ...	badgedisabled	Badge.Disabled
Provisioning	User Data	status	Disabled
Provisioning	User Badge ...	badgeKey	Badge.CHUID

- The Guardian Connector Framework allows a mapping of fields & attributes that exist within various PACS systems with a standardized Guardian PIAM data fields model
- The standardized data fields model can then be used to sync data between previously incompatible PACS systems

## Mapping Types

- **Entity:**
  - *User Data:* Identity Profile details
  - *Identity System:* User's system specific details
  - *User Badge Data:* User's credential/asset/badge details
  - *User Role Data:* User's clearance/role details

**System Field:** a given attribute name in the external system

**System Formula:** field for custom parameters and formulas

**Value Map:** field with custom converted or "adapted" AE parameter to map with external system

**AE Field:** Guardian standardized field value for a given specific entity value in chosen PACS system



# Main Features of the Guardian PACS Data Exchanger

## Filtering and Error Remediation

The Guardian PACS Data Exchanger allows for filtering of acquired PACS records based on defined parameters such as department, job title, location, and more. This feature is particularly useful when only a subset of data needs to be migrated.

### User Reconciliation Filter

- By Region >
- By Department >
- By Job Title >
- By Location >
- Other >

Sync Status	Error Message	Error Code
ERROR	Country is Blank, Work Location is Invalid, Role Name Invalid	AE-ERR1002
ERROR	[Error: could not access property: Isiden; parent is null: aeData] [Near : {..	ERROR0
ERROR	Error creating the request: createReconRequest->Error creating the requ	ERROR
ERROR	Error creating the request: createReconRequest->Error creating the requ	ERROR
ERROR	[Error: could not access property: type; parent is null: request] [Near : {...	ERROR0
ERROR	[Error: could not access property: type; parent is null: request] [Near : {...	ERROR0
ERROR	User cannot have multiple active assets of type Permanent. Please disabl	AE-INFO102
ERROR	User cannot have multiple active assets of type Permanent. Please disabl	AE-INFO102
ERROR		ERROR0

User Data for SUCCESS Type

Select All

Records Found : 1014 | Error to Search

Under Action	Changed By	Sync Status	City	Description	Error Message	Error Code	User Account	User Asset	Source Id	System Id	Type	Text
<input type="checkbox"/>	1	SUCCESS	SP		No Error Fo	No Error Fo			1218112	326195236...	Permanent	
<input type="checkbox"/>	1	SUCCESS	SP		No Error Fo	No Error Fo			1218111	326195236...	Permanent	
<input type="checkbox"/>	1	SUCCESS	SP		No Error Fo	No Error Fo			1218110	326195236...	Permanent	
<input type="checkbox"/>	1	SUCCESS	SP		No Error Fo	No Error Fo			1218109	326195236...	Permanent	
<input type="checkbox"/>	1	SUCCESS	SP		No Error Fo	No Error Fo			1218107	326195236...	Permanent	
<input type="checkbox"/>	1	SUCCESS	SP		No Error Fo	No Error Fo			1218108	326195236...	Permanent	
<input type="checkbox"/>	1	SUCCESS	SP		No Error Fo	No Error Fo			1218108	326195236...	Permanent	
<input type="checkbox"/>	1	SUCCESS	SP		No Error Fo	No Error Fo			1218107	326195236...	Permanent	
<input type="checkbox"/>	1	SUCCESS	SP		No Error Fo	No Error Fo			1218107	326195236...	Permanent	
<input type="checkbox"/>	1	SUCCESS	SP		No Error Fo	No Error Fo			1218106	326195236...	Permanent	
<input type="checkbox"/>	1	SUCCESS	SP		No Error Fo	No Error Fo			1218104	326195236...	Permanent	
<input type="checkbox"/>	1	SUCCESS	SP		No Error Fo	No Error Fo			1218104	326195236...	Permanent	
<input type="checkbox"/>	1	SUCCESS	SP		No Error Fo	No Error Fo			1218105	326195236...	Permanent	
<input type="checkbox"/>	1	SUCCESS	SP		No Error Fo	No Error Fo			1218104	326195236...	Permanent	

The Guardian PACS Data Exchanger includes error remediation capabilities, allowing for the monitoring and correction of data quality issues during the migration process.





# Main Features of the Guardian PACS Data Exchanger

## Provisioning and De-provisioning

The provisioning framework can push adapted data from the Guardian PIAM to the target PACS system. The entire provisioning process can be monitored through a dedicated screen. Additionally, this function offers a de-provisioning feature to clean up records in the source PACS system once the migration is complete, ensuring data consistency and preventing duplication.

System	Action	Status	Provisioning Code	Provisioning Message	Source ID	Actor Type	
<input type="checkbox"/>	CCURE 9000_28	CREATE_USER	PROCESSED	CREATE_USER_SUCCESS	Add Badge successful.	1001226	identity
<input type="checkbox"/>	CCURE 9000_28	CREATE_USER	PROCESSED	CREATE_USER_SUCCESS	Add Badge successful.	1001225	identity
<input type="checkbox"/>	CCURE 9000_28	CREATE_USER	PROCESSED	CREATE_USER_SUCCESS	Add Badge successful.	1001224	identity
<input type="checkbox"/>	CCURE 9000_28	CREATE_USER	PROCESSED	CREATE_USER_SUCCESS	Add Badge successful.	1001223	identity
<input type="checkbox"/>	CCURE 9000_28	CREATE_USER	PROCESSED	CREATE_USER_SUCCESS	Add Badge successful.	1001222	identity

- The Guardian Provisioning Framework is capable of pushing data (that was “adapted” through a standardized Guardian PIAM data fields model) to a chosen PACS system
- The provisioning process can be monitored through a dedicated screen

Users	User ID	System	System	Badge ID	Valid From	Valid To	Assignment St...	Provisioning S...	Status
James Carter	james.carter	CCURE 9000_28	CCURE 9000_28	1001187	14/05/2024 04:...	14/05/2025 04:...	ACTIVE	●	ADD
James Carter	james.carter	CCURE 9000_28	CCURE 9000_28	1001187	14/05/2024 04:...	14/05/2025 04:...	ACTIVE	●	REMOVE

Users	User ID	Access Name	System	Valid From	Valid To	Status	Provisioning Status
James Carter	james.carter	24x7 Clearance	CCURE 9000_28	14/05/2024 04:42:1...	14/05/2025 04:41:1...	REMOVED	●
James Carter	james.carter	Oracle Basement P...	Lenel	14/05/2024 04:41:3...	14/05/2025 04:41:1...	ADD	●
James Carter	james.carter	Oracle Basement P...	CCURE 9000_28	14/05/2024 04:41:3...	14/05/2025 04:41:1...	REMOVED	●

System	Action	Status	Provisioning Code	Provisioning Message	
<input type="checkbox"/>	CCURE 9000_28	CHANGE_ROLES	PROCESSED	ASSIGN_ROLES_SUCCESS	Change Access:Total 2 roles provisioned/deprovisioned
<input type="checkbox"/>	CCURE 9000_28	CHANGE_ROLES	PROCESSED	ASSIGN_ROLES_SUCCESS	Change Access:Total 2 roles provisioned/deprovisioned
<input type="checkbox"/>	CCURE 9000_28	CHANGE_ROLES	PROCESSED	ASSIGN_ROLES_SUCCESS	Change Access:Total 2 roles provisioned/deprovisioned
<input type="checkbox"/>	CCURE 9000_28	CHANGE_ROLES	PROCESSED	ASSIGN_ROLES_SUCCESS	Change Access:Total 2 roles provisioned/deprovisioned
<input type="checkbox"/>	CCURE 9000_28	CHANGE_ROLES	PROCESSED	ASSIGN_ROLES_SUCCESS	Change Access:Total 2 roles provisioned/deprovisioned
<input type="checkbox"/>	CCURE 9000_28	CHANGE_ROLES	PROCESSED	ASSIGN_ROLES_SUCCESS	Change Access:Total 2 roles provisioned/deprovisioned

The De-provisioning (records clean-up) process is performed as a part of a provisioning job (separate parameter that can be enabled or disabled) in the source PACS system following the completion of the migration process



# Alert Enterprise

## Be the leader of your PACS.

For leaders of Physical Security teams, the Guardian PACS Data Exchanger offers a reliable and efficient solution to the challenges of PACS migration. Its ability to maintain data integrity, minimize downtime, and provide ongoing data synchronization makes it an invaluable tool for any organization looking to consolidate and streamline its physical access control systems.

With the Guardian PACS Data Exchanger, organizations can ensure that their security infrastructure remains stable and reliable, even during complex migrations. This feature is just one of the many ways that the AlertEnterprise Guardian platform continues to help enterprises modernize and unify their physical access control and security.



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