



ACCESS CONTROL INTEGRATION DOCUMENT

(DECEMBER 2025)

GENERAL

This document is to identify key APIs used for access control integration. The below captures the following scenarios

- Get Resident: The purpose is to check if the user already exists or not before creating the resident
- Create Resident: To create the resident (owner, family member, tenant)
- Get Identify: To generate the dynamic QR code for the resident
- Get Visitor QR: To generate a QR code for a visitor
- Delete Resident: To delete the Owner and family members in case of sale or other. It should be noted that tenants should be automatically deleted based on their end date.

NOTES

- Lyve keeps the relationship between resident and units
- Lyve controls quota for invitations
- Lyve does not track actual scans but the generation of the badges
- All units must be created with a standard naming convention aligned with the client

GET RESIDENT

Retrieves a resident's details using their email and community.

PARAMETERS

Name	Type	Description
email	string	Resident email address
community	string	Community identifier

RESPONSE

Name	Type	Mandatory	Description
ownerId	string	YES	Unique owner identifier
phone	string	NO	Resident phone number
name	string	NO	Resident full name
email	string	NO	Resident email address
community	string	NO	Community identifier
type	string	NO	Resident type
from	string	NO	Start date of validity
to	string	NO	End date of validity
unitId	string	YES	Linked unit identifier

EXAMPLE RESPONSE

```
{  
  "ownerId": "12345",  
  "phone": "+201234567890",  
  "name": "John Doe",  
  "email": "john@example.com",  
  "community": "GreenHills",  
  "type": "resident",  
  "from": "2025-01-01",  
  "to": "2025-12-31",  
  "unitId": "U1001"  
}
```

CREATE RESIDENT

Creates a new Resident record in the specified community.

PARAMETERS

Name	Type	Description
name	string	Resident full name
phone	string	Resident phone number
email	string	Resident email address
community	string	Community identifier
from	string	Start date of validity
to	string	End date of validity
ownerType	string	Owner type
unitId	string	Unit ID

RESPONSE

Name	Type	Mandatory	Description
ownerId	string	YES	Unique owner identifier
phone	string	NO	Resident phone number
name	string	NO	Resident full name
email	string	NO	Resident email address
community	string	NO	Community identifier
type	string	NO	Resident type
from	string	NO	Start date of validity
to	string	NO	End date of validity
unitId	string	NO	Linked unit identifier

EXAMPLE RESPONSE

```
{  
  "ownerId": "67890",  
  "phone": "+201011223344",  
  "name": "Jane Smith",  
  "email": "jane@example.com",  
  "community": "PalmHeights",  
  "type": "tenant",  
  "from": "2025-02-01",  
  "to": "2025-12-31",  
  "unitId": "U2002"  
}
```

GET IDENTITY

Retrieves identity details for a given unit and owner. This is the API that calls the resident's dynamic QR code

PARAMETERS

Name	Type	Description
unitId	string	Unit identifier
ownerId	string	Owner identifier

RESPONSE

Name	Type	Mandatory	Description
id	string	NO	Unique identity identifier
ownerId	string	NO	Owner identifier
ownerType	string	NO	Type of owner (e.g., resident, tenant)
unitId	string	NO	Unit identifier
qrCode	string	YES	Dynamic QR code for access (String and NOT IMAGE AND NOT BASE64)

EXAMPLE RESPONSE

```
{  
  
  "id": "ID1001",  
  
  "ownerId": "12345",  
  
  "ownerType": "resident",  
  
  "unitId": "U1001",  
  
  "qrCode": "QR1234567890"  
}
```

GET VISITOR QR

Generates a visitor QR code for a scheduled visit.

PARAMETERS

Name	Type	Description
unitId	string	Unit identifier
ownerId	string	Owner identifier
visitorName	string	Visitor full name
visitDate	string	Date of visit

RESPONSE

Name	Type	Mandatory	Description
visitId	string	NO	Unique visit identifier
unitId	string	NO	Unit identifier
ownerId	string	NO	Owner identifier
ownerType	string	NO	Owner type
visitorName	string	NO	Visitor name
visitDate	string	NO	Visit date
qrCode	string	YES	Generated visitor QR code (String and NOT IMAGE AND NOT BASE64)

EXAMPLE RESPONSE

```
{  
  "visitId": "V1001",  
  "unitId": "U1001",  
  "ownerId": "12345",  
  "ownerType": "resident",  
  "visitorName": "Mark Lee",  
  "visitDate": "2025-03-15",  
  "qrCode": "QRV123456789"  
}
```

DELETE RESIDENT

Removes a Resident record based on owner ID.

PARAMETERS

Name	Type	Description
ownerId	string	Owner identifier
unitID	Strin	Unit ID

RESPONSE

Name	Type	Description
success	boolean	Indicates if the operation succeeded

EXAMPLE RESPONSE

```
{ "success": true }
```