

Recurso	Verbo	Ruta	Headers	Body	Response	Errors	Descripción
Hardware	PATCH	/hardwares/{hardwareId}/status	Authorization	<pre>{ "Connected": bool }</pre> <p>Ejemplo:</p> <pre>{ "Connected": false }</pre>	<p>Ejemplo:</p> <pre>200: { "Message" = "Hardware updated successfully" }</pre>	<p>• 404: Not Found: { Message = "Element not found", Details = "Hardware not found" }</p> <p>• 401: Unauthorized: { Message = "You are not authenticated", Details = }</p> <p>• 403: Forbidden { Message = "Access is forbidden", Details = }</p>	Actualiza el estado un hardware (conectado/desconectado)
Recurso	Verbo	Ruta	Headers	Body	Response	Errors	Descripción
Hardware	PATCH	/hardwares/{hardwareId}/name	Authorization	<pre>{ "Name": string }</pre> <p>Ejemplo:</p> <pre>{ "Name": "Mi Camara" }</pre>	<p>Ejemplo:</p> <pre>200: { "Message" = "Hardware name updated successfully" }</pre>	<p>• 400: BadRequest: { Message = "Argument cannot be null or empty", Details = "Name cannot be null or empty" }</p> <p>• 401: Unauthorized: { Message = "You are not authenticated", Details = }</p> <p>• 403: Forbidden { Message = "Access is forbidden", Details = }</p>	Actualiza el nombre un hardware.
Recurso	Verbo	Ruta	Headers	Body	Response	Errors	Descripción
Hardware	PATCH	/hardwares/{hardwareId}/room	Authorization	<pre>{ "RoomId": Guid }</pre> <p>Ejemplo:</p> <pre>"RoomId": "3F2504E0-4F89-11D3-9A0C-0305E82C3301" }</pre>	<p>Ejemplo:</p> <pre>200: { "Message" = "Hardware added to room successfully" }</pre>	<p>• 404: Not Found: { Message = "Element not found", Details = "Room not found" }</p> <p>{ Message = "Element not found", Details = "Home not found" }</p> <p>• 400: BadRequest: { Message = "Argument cannot be null or empty", Details = "Name cannot be null or empty" }</p> <p>• 409: Conflict: { Message = "A conflict occurred with existing resources", Details = "Hardware already belongs to room" }</p> <p>• 401: Unauthorized: { Message = "You are not authenticated", Details = }</p> <p>• 403: Forbidden { Message = "Access is forbidden", Details = }</p>	Agrega un hardware a un room
Recurso	Verbo	Ruta	Headers	Body	Response	Errors	Descripción

Room	POST	/homes/{homeId}/rooms	Authorization	<pre> { "Name": string, "HardwareIds": List<Guid> } Ejemplo: { "Name": "Cocina", "HardwareIds": [3F2504E0-4F89-11D3-9A0C-0305E82C3301] } </pre>	<pre> Ejemplo: 201: { "Data": [{ "RoomName": "Cocina" }] } </pre>	<p>• 404: Not Found: { Message = "Element not found", Details = "Home not found" }</p> <p>• 400: BadRequest: { Message = "Argument cannot be null or empty", Details = "Room name cannot be empty" }</p> <p>{ Message = "Argument cannot be null or empty", Details = "Hardware IDs list cannot be null" }</p> <p>{ Message = "Argument cannot be null or empty", Details = "Home ID cannot be empty" }</p> <p>• 409: Conflict: { Message = "A conflict occurred with existing resources", Details = "Hardware with ID {hardwareId} does not belong to home with ID {homeId}" }</p> <p>{ Message = "A conflict occurred with existing resources", Details = "Hardware already exists in another room in the same home." }</p> <p>• 401: Unauthorized: { Message = "You are not authenticated", Details = }</p> <p>• 403: Forbidden { Message = "Access is forbidden", Details = }</p>	Agrega un nuevo cuarto en un hogar con una lista de hardwares.
Recurso	Verbo	Ruta	Headers	Body	Response	Errors	Descripción
Room	GET	/homes/{homeId}/rooms	Authorization	-	<pre> Ejemplo: 200: { "Rooms": [{ "Name": "Cocina", "Id" : 6B29FC40-CA47-1067-B31D-0DD010662DA }, { "Name": "Patio", "Id" : 9EC47B40-CA47-1067-B31D-0DD010662DA }] } </pre>		Obtener todos los cuartos de un hogar
Recurso	Verbo	Ruta	Headers	Body	Response	Errors	Descripción
Home	PATCH	/homes/{homeId}/name	Authorization	<pre> { "Name": string } Ejemplo: { "Name": "Mi Casa" } </pre>	<pre> Ejemplo: 200: { "Message" = "Home name changed successfully" } </pre>	<p>• 404: Not Found: { Message = "Element not found", Details = "Home not found" }</p> <p>• 400: BadRequest: { Message = "Argument cannot be null or empty", Details = "Name cannot be null or empty" }</p> <p>• 401: Unauthorized: { Message = "You are not authenticated", Details = }</p> <p>• 403: Forbidden { Message = "Access is forbidden", Details = }</p>	Actualizar el nombre de un hogar
Recurso	Verbo	Ruta	Headers	Body	Response	Errors	Descripción

Importers	GET	/importers	Authorization		<p>Ejemplo:</p> <pre>200: { "Data": [{ "Name": "JsonImporter" }] }</pre>	<p>• 409: Conflict: { Message = "A conflict occurred with existing resources", Details = "No importers found" }</p> <p>• 401: Unauthorized: { Message = "You are not authenticated", Details = }</p>	Obtener todos los importers definidos
Recurso	Verbo	Ruta	Headers	Body	Response	Errors	Descripción
Importers	GET	/importers/ {importerName} /params	Authorization		<p>Ejemplo:</p> <pre>200: { "Data": [{ "Path": "string" }] }</pre>	<p>• 409: Conflict: { Message = "A conflict occurred with existing resources", Details = "Could not create instance of importer" }</p> <p>• 401: Unauthorized: { Message = "You are not authenticated", Details = }</p>	Obtener todos los parametros para un importer
Recurso	Verbo	Ruta	Headers	Body	Response	Errors	Descripción
Importers	POST	/importers/ {importerName}	Authorization	<pre>"Params" : Dictionary<string, string> { } Ejemplo: { "Params": { "Path", "C:\Path\devices.json" } }</pre>	<pre>200: { "Message" = "Devices imported successfully!" }</pre>	<p>• 409: Conflict: { Message = "A conflict occurred with existing resources", Details = "Could not create instance of importer" }</p> <p>• 401: Unauthorized: { Message = "You are not authenticated", Details = }</p>	Importar dispositivos
Recurso	Verbo	Ruta	Headers	Body	Response	Errors	Descripción
Lamp	POST	/lamps	Authorization	<pre>{ "Name": string, "Description": string, "ModelNumber":string, "Photos": List<string>, } Ejemplo: { "Name": "Pro Lamp", "Description": "Automatic Lamp.", "ModelNumber": "123456", "Photos": ["https://example.com/photo1.jpg"], }</pre>	<p>Ejemplo:</p> <pre>201: { "Data": [{ "Name": "Security Camera Pro", "Description": "Automatic Lamp", "ModelNumber": "123456", "Photos": ["https://example.com/photo1.jpg"], "DeviceType": "Lamp", }] }</pre>	<p>• 400: BadRequest: { Message = "Argument cannot be null or empty", Details = "Model number cannot be empty" }</p> <p>{ Message = "Argument is invalid", Details = "Model number is not valid according to {modelValidatorType}" }</p> <p>• 409: Conflict: { Message = "A conflict occurred with existing resources", Details = "User does not have a company" }</p> <p>{ Message = "A conflict occurred with existing resources", Details = "Model number already in use" }</p> <p>• 401: Unauthorized: { Message = "You are not authenticated", Details = }</p> <p>• 403: Forbidden { Message = "Access is forbidden", Details = }</p>	Crea un dispositivo de tipo lampara
Recurso	Verbo	Ruta	Headers	Body	Response	Errors	Descripción
Lamp	POST	/lamps/ {hardwareId} /turnOn	Authorization		<p>Ejemplo:</p> <pre>200: { "Message" = "Members notified successfully!" }</pre>	<p>• 404: Not Found: { Message = "Element not found", Details = "Hardware not found" }</p> <p>• 400: BadRequest: { Message = "Argument cannot be null or empty", Details = "Hardware Id cannot be empty" }</p> <p>• 409: Conflict: { Message = "A conflict occurred with existing resources", Details = "Device type does not match" }</p> <p>{ Message = "A conflict occurred with existing resources", Details = "Hardware is not connected" }</p> <p>{ Message = "A conflict occurred with existing resources", Details = "lamp state did not change" }</p>	Genera una notificación de que la lampara se prendió y guarda el estado

Recurso	Verbo	Ruta	Headers	Body	Response	Errors	Descripción
Lamp	POST	/lamps/ {hardwareId} /turnOff	Authorization	-	<p>Ejemplo:</p> <pre>200: { "Message" = "Members notified successfully!" }</pre>	<p>• 404: Not Found: { Message = "Element not found", Details = "Hardware not found" }</p> <p>• 400: BadRequest: { Message = "Argument cannot be null or empty", Details = "Hardware Id cannot be empty" }</p> <p>• 409: Conflict: { Message = "A conflict occurred with existing resources", Details = "Device type does not match" }</p> <p>{ Message = "A conflict occurred with existing resources", Details = "Hardware is not connected" }</p> <p>{ Message = "A conflict occurred with existing resources", Details = "lamp state did not change" }</p>	Genera una notificación de que la lampara se apagó y guarda el estado
Recurso	Verbo	Ruta	Headers	Body	Response	Errors	Descripción
Company	POST	/me/imOwner	Authorization	-	<p>Ejemplo:</p> <pre>200: { "Data": true }</pre>	<p>• 401: Unauthorized: { Message = "You are not authenticated", Details = }</p>	Retorna un booleano indicando si el usuario logueado es dueño de una empresa o no.
Recurso	Verbo	Ruta	Headers	Body	Response	Errors	Descripción
Homes	GET	/me/homes Query Strings: • Limit (opcional): int, > 0, por defecto 25 en caso de que el valor sea <=0 • Offset (opcional): int, >=0, por defecto 0 en caso de que el valor sea < 0 Ejemplo: /users? limit=10&offset=1 0	Authorization	-	<p>Ejemplo:</p> <pre>200: { "Data": [{ "Id": "6B29FC40-CA47-1067-B31D-0DD010662DA", "Name": "Casa" }] }</pre>	<p>• 401: Unauthorized: { Message = "You are not authenticated", Details = }</p> <p>• 403: Forbidden { Message = "Access is forbidden", Details = }</p>	Obtiene los hogares en los cuales el usuario es miembro
Recurso	Verbo	Ruta	Headers	Body	Response	Errors	Descripción
Notifications	GET	/me/notifications Query Strings: • Read (opcional) • DateTime (opcional) • Device Type (opcional) Ejemplo: /users? Read=true&Device Type=Sensor&Date Time=19-11-2024	Authorization	-	<p>Ejemplo:</p> <pre>200 { "Data": [{ "Message": "door opened", "HardwareId": "768a9148-c1da-41fa-9d83-b232c11d2030", "State": "Read", "Datetime": "2024-01-16", "DeviceType": "Sensor", "Homeld": "6B29FC40-CA47-1067-B31D-00DD010662DA", "NotificationId": "3F2504E0-4F89-11D3-9A0C-0305E82C3301" }] }</pre>	<p>• 404: Not Found: { Message = "Element not found", Details = "Memberships not found" }</p> <p>• 401: Unauthorized: { Message = "You are not authenticated", Details = }</p>	Obtiene todas las notificaciones de un usuario
Recurso	Verbo	Ruta	Headers	Body	Response	Errors	Descripción

Notifications	PATCH	/me/notifications	Authorization	<pre> { "NotificationsIds": List<Guid>, } Ejemplo: { "NotificationsIds": [3F2504E0-4F89-11D3- 9A0C-0305E82C3301, 6B29FC40-CA47-1067-B31D- 00DD010662DA], } </pre>	<p>Ejemplo:</p> <pre> 200: { "Message" = "Notifications readed!" } </pre>	<p>• 401: Unauthorized:</p> <pre> { Message = "You are not authenticated", Details = } </pre>	Marca como leídas las notificaciones seleccionadas
Recurso	Verbo	Ruta	Headers	Body	Response	Errors	Descripción
Movement Sensors	POST	/movementSensors	Authorization	<pre> { "Name": string, "Description": string, "ModelNumber": string, "Photos": List<string>, } Ejemplo: { "Name": "Pro movement sensor", "Description": "Automatic movement sensor", "ModelNumber": "123456", "Photos": ["https://example.com/photo1.jpg"], } </pre>	<p>Ejemplo:</p> <pre> 201: { "Data": [{ "Name": "Pro movement sensor", "Description": "Automatic movement sensor", "ModelNumber": "123456", "Photos": ["https://example.com/photo1.jpg"], "DeviceType": "MovementSensor", }] } </pre>	<p>• 400: BadRequest:</p> <pre> { Message = "Argument cannot be null or empty", Details = "Model number cannot be empty" } { Message = "Argument is invalid", Details = "Model number is not valid according to {modelValidatorType}" } • 409: Conflict: { Message = "A conflict occurred with existing resources", Details = "User does not have a company" } { Message = "A conflict occurred with existing resources", Details = "Model number already in use" } • 401: Unauthorized: { Message = "You are not authenticated", Details = } • 403: Forbidden { Message = "Access is forbidden", Details = } </pre>	Crea un dispositivo de tipo sensor de movimiento
Recurso	Verbo	Ruta	Headers	Body	Response	Errors	Descripción
Movement Sensors	POST	/movementSensor/{hardwareId}		-	<p>Ejemplo:</p> <pre> 200: { "Message" = "Members notified successfully!" } </pre>	<p>• 404: Not Found:</p> <pre> { Message = "Element not found", Details = "Hardware not found" } • 400: BadRequest: { Message = "Argument cannot be null or empty", Details = "Hardware Id cannot be empty" } • 409: Conflict: { Message = "A conflict occurred with existing resources", Details = "Device type does not match" } { Message = "A conflict occurred with existing resources", Details = "Hardware is not connected" } </pre>	Genera una notificación de que se detectó movimiento
Recurso	Verbo	Ruta	Headers	Body	Response	Errors	Descripción
Sensors	POST	/sensors/{hardwareId}/windowOpened		-	<p>Ejemplo:</p> <pre> 200: { "Message" = "Members notified successfully!" } </pre>	<p>• 404: Not Found:</p> <pre> { Message = "Element not found", Details = "Hardware not found" } • 400: BadRequest: { Message = "Argument cannot be null or empty", Details = "Hardware Id cannot be empty" } • 409: Conflict: { Message = "A conflict occurred with existing resources", Details = "Device type does not match" } { Message = "A conflict occurred with existing resources", Details = "Hardware is not connected" } { Message = "A conflict occurred with existing resources", Details = "Sensor state did not change" } </pre>	Genera una notificación de que la ventana se abrió y guarda el estado

Recurso	Verbo	Ruta	Headers	Body	Response	Errors	Descripción
Sensors	POST	/sensors/ {hardwareId} /windowClosed		-	<p>Ejemplo:</p> <pre>200: { "Message" = "Members notified successfully!" }</pre>	<p>• 404: Not Found: { Message = "Element not found", Details = "Hardware not found" }</p> <p>• 400: BadRequest: { Message = "Argument cannot be null or empty", Details = "Hardware Id cannot be empty" }</p> <p>• 409: Conflict: { Message = "A conflict occurred with existing resources", Details = "Device type does not match" }</p> <p>{ Message = "A conflict occurred with existing resources", Details = "Hardware is not connected" }</p> <p>{ Message = "A conflict occurred with existing resources", Details = "Sensor state did not change" }</p>	Genera una notificación de que la ventana se cerró y guarda el estado
Recurso	Verbo	Ruta	Headers	Body	Response	Errors	Descripción
Users	GET	users/{userEmail} /picture	Authorization		<p>Ejemplo:</p> <pre>200: { "Data": "www.photo.com" }</pre>	<p>• 404: Not Found: { Message = "Element not found", Details = "User not found" }</p> <p>• 400: BadRequest: { Message = "User email cannot be empty", Details = "User name cannot be empty" }</p> <p>• 401: Unauthorized: { Message = "You are not authenticated", Details = }</p>	Obtiene la foto de perfil de un usuario
Recurso	Verbo	Ruta	Headers	Body	Response	Errors	Descripción
Roles	GET	/me/roles	Authorization		<p>Ejemplo:</p> <pre>200: { "Data": { "Roles": ["Admin", "HomeOwner"] } }</pre>	<p>• 401: Unauthorized: { Message = "You are not authenticated", Details = }</p>	Obtiene los roles del usuario logueado
Recurso	Verbo	Ruta	Headers	Body	Response	Errors	Descripción
Roles	POST	/me/roles	Authorization	<pre>{ "Role": string, }</pre> <p>Ejemplo:</p> <pre>{ "Role": "HomeOwner", }</pre>	<p>Ejemplo:</p> <pre>200: { "Message" = "Role was successfully added" }</pre>	<p>• 404: Not Found: { Message = "Element not found", Details = "Role not found" }</p> <p>{ Message = "Element not found", Details = "User not found" }</p> <p>• 401: Unauthorized: { Message = "You are not authenticated", Details = }</p>	Agrega un rol a un usuario
Recurso	Verbo	Ruta	Headers	Body	Response	Errors	Descripción
Validators	GET	/validators	Authorization		<p>Ejemplo:</p> <pre>200: { "Data" : ["ValidatorLength", "ValidatorLettersAndNumber"] }</pre>	<p>• 401: Unauthorized: { Message = "You are not authenticated", Details = }</p>	Obtiene los validadores disponibles

Home	POST	me/homes	Authorization	<pre>{ "street": string, "doorNumber": string, "latitude": string, "longitude": string, "membersCount": string , "Name": string }</pre> <p>Ejemplo:</p> <pre>{ "street": "Maple Avenue", "doorNumber": "123", "latitude": "40.7128", "longitude": "-74.0060", "membersCount": "4" , "Name": "My House" }</pre>	<pre>200: { "Homeld": string }</pre> <p>Ejemplo:</p> <pre>200: { "Homeld": "75409443-e012-4065-b4c1-1b7f445c26fc" }</pre>	<p>• 400: BadRequest:</p> <pre>{ InnerCode: string Message: string Details: string (No es incluido en todos los BadRequest) }</pre> <p>Ejemplo:</p> <pre>{ InnerCode = "BadRequest", Message = "Argument is not in a valid range", Details = }</pre> <p>• 401: Unauthorized:</p> <pre>{ InnerCode: string Message: string Details: string }</pre> <p>Ejemplo:</p> <pre>{ InnerCode = "Unauthenticated", Message = "You are not authenticated", Details = }</pre> <p>• 403: Forbidden</p> <pre>{ InnerCode: string, Message: string, Details: string }</pre> <p>Ejemplo:</p> <pre>{ InnerCode = "Forbidden", Message = "Access is forbidden", Details = }</pre> <p>• 409: Conflict:</p> <pre>{ InnerCode: string, Message: string, Details: string }</pre> <p>Ejemplo:</p> <pre>{ InnerCode = "Conflict", Message = "A conflict occurred with existing resources", Details = }</pre> <p>• 500: Internal Server Error:</p> <pre>{ InnerCode: string, Message: string }</pre> <p>Ejemplo:</p> <pre>{ InnerCode = "InternalServerError", Message = "There was an error when processing the request" }</pre>	Crea una Home y la asocia a su dueño.
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Home	GET	<p>/homes/{id} /hardwares</p> <p>Query Strings • RoomName (opcional): string</p> <p>http://localhost: 5218/homes/F5044 FEC-2D05-4555- B7F3- 6313645BA4AD/h ardwares? roomName=hall</p>	Authorization	-	<pre> 200: List<HardwareData> Ejemplo: 200: [{ "Name": "Smart Thermostat", "ModelNumber": "ST-1000", "MainPhoto": "path", "ConnectionStatus": "connected" }, { "Name": "Security Camera", "ModelNumber": "SC-2000", "MainPhoto": "path2", "ConnectionStatus": "disconnected" }] </pre>	<p>• 400: BadRequest:</p> <pre> { InnerCode: string Message: string Details: string (No es incluido en todos los BadRequest) } Ejemplo: { InnerCode = "BadRequest", Message = "Argument is not in a valid range", Details = } • 401: Unauthorized: { InnerCode: string Message: string Details: string } Ejemplo: { InnerCode = "Unauthenticated", Message = "You are not authenticated", Details = } • 403: Forbidden { InnerCode: string, Message: string, Details: string } Ejemplo: { InnerCode = "Forbidden", Message = "Access is forbidden", Details = } • 404: Not Found: { InnerCode: string Message: string Details: string } Ejemplo: { InnerCode = "NotFound", Message = "Element not found", Details = concreteException.Message } • 500: Internal Server Error: { InnerCode: string, Message: string } Ejemplo: { InnerCode = "InternalError", Message = "There was an error when processing the request" } </pre>	Obtener los hardwares de la casa
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