



OpenTech IoE: Internet of Everything

Getting Started with the



System

January 28, 2020

DaVinci Lock System - Overview

The DaVinci Lock® System (DaVinci Lock) allows self-storage properties to release overlocked tenants remotely. It uses a standard combination lock that has a unique encrypted serial code engraved on the side of it.

The OpenTech IoE platform provides seamless integration between DaVinci Lock and the Control Center. The result is that a self-storage property never has to send a manager or maintenance tech out to the facility to remove an overlock. The system can send an automated text message to the tenant with the code. Alternatively, a Call Center Agent with access to the OpenTech IoE Control Center can provide the combination for the overlock over the telephone.

➤ [Refer to the OpenTech IoE R17 Release Notes for additional information on DaVinci Lock, integration to the Control Center and configuration.](#)

DaVinci Lock System – Assumptions

The DaVinci Lock portal (www.DaVinciLock.com) is the system of record for the following:

DaVinci Lock Account

- User ID and Password to access the DaVinci Lock dashboard.

DaVinci Lock Company

- One account created per company in the DaVinci Lock portal.
- DaVinci Lock Company (assumed to map to the OpenTech IoE Control Center Company).

DaVinci Lock Integrations

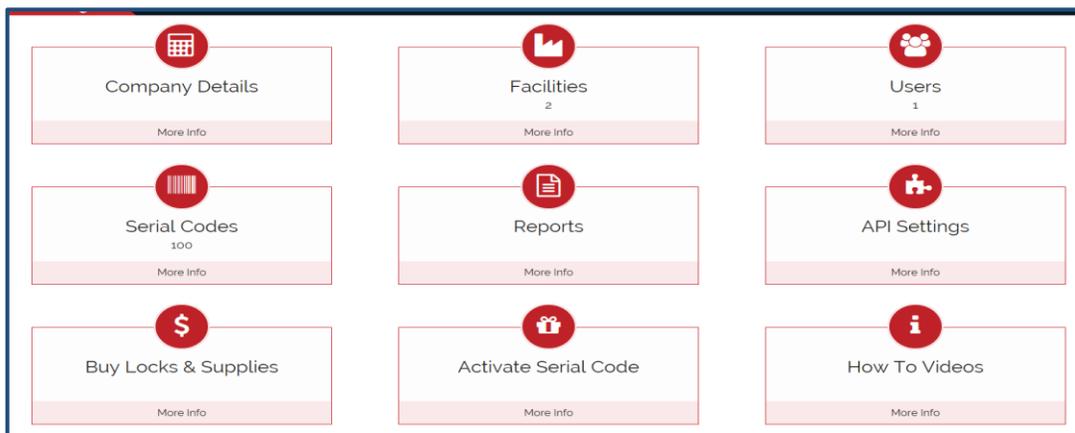
- A company can have multiple Integrations.
- Each Integration will have its own API Key and API Secret.
- An Integration can map to one or multiple facilities within the company.

DaVinci Lock System – Assumptions (continued)

- *DaVinci Lock Facility*
 - Created in DaVinci Lock (assumed to map to the corresponding facility in the OpenTech IoE Control Center (facility name can be the same or different).
 - Can be included or excluded from the DaVinci Lock API.
 - Can have DaVinci Locks assigned with:
 - Unit Number
 - Serial Number
 - Unlock Code
 - Status (Available [Default], *Assigned to Overlock*, *Assigned to Vacant Unit*, *Returned to Dropbox*, *Tenant Using Lock*, Lost, Damaged)
- *Tenants*
 - Map to a Company => Facility / Facilities => Unit(s).
 - Can be a new tenant entering a vacant unit or a delinquent tenant trying to access their unit.

Creating a DaVinci Lock Account

- A DaVinci Lock account is created for each participating company using primary user's e-mail address and by selecting a password.
- Once the account is created, user will have access to the DaVinci Lock Dashboard where additional set up can be completed and managed (www.davincilock.com).



Buy DaVinci Locks & Supplies

- Once the DaVinci Lock account is created for you company, locks can be ordered.



DaVinci Lock – Facilities List View

- Shows DaVinci Lock facilities for your company, number of locks associated with a facility and status.

Facility Name	Number of Units	Client Personnel	Phone Number	# Active Locks ↑	Lock Status	Actions
Storage Location 1	500		8287760820	50	Active	 
Storage Location 2	250		8287760820	50	Active	 

Search X ADD FACILITY

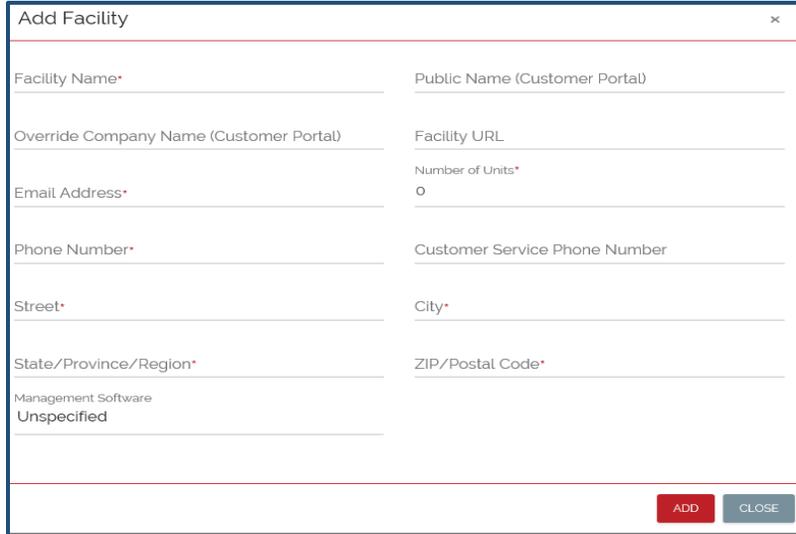
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DaVinci Lock – Add Facility

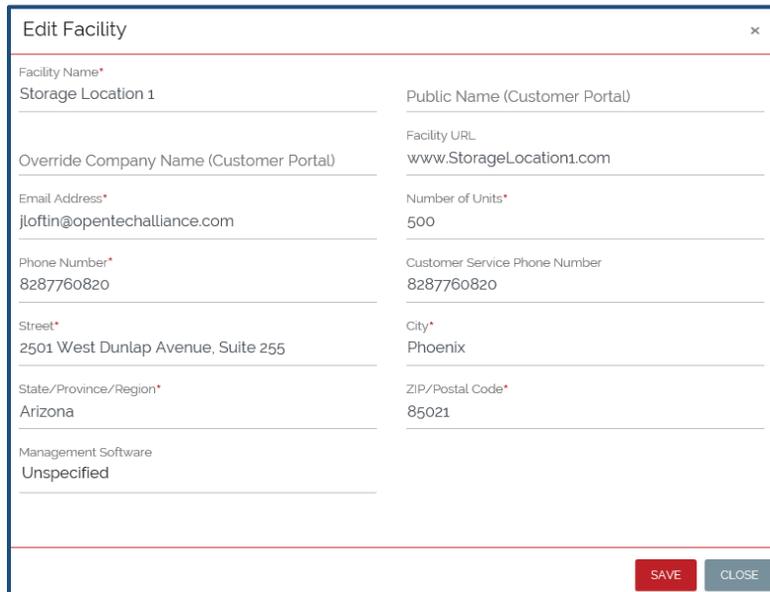
- DaVinci Lock facilities can be added from the List view.



The 'Add Facility' form is a modal window with a title bar containing 'Add Facility' and a close button. It contains several input fields arranged in two columns. The fields are: Facility Name* (with a sub-label 'Public Name (Customer Portal)'), Override Company Name (Customer Portal), Email Address*, Phone Number*, Street*, State/Province/Region*, Management Software (with a value of 'Unspecified'), Public Name (Customer Portal), Facility URL, Number of Units* (with a value of '0'), and Customer Service Phone Number. At the bottom right, there are two buttons: 'ADD' (red) and 'CLOSE' (grey).

DaVinci Lock – Edit Facility

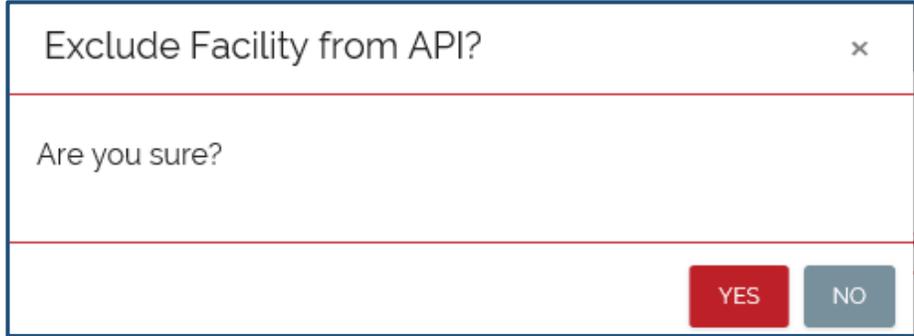
- DaVinci Lock facilities can be edited from the List view.



The 'Edit Facility' form is a modal window with a title bar containing 'Edit Facility' and a close button. It contains several input fields arranged in two columns. The fields are: Facility Name* (with a sub-label 'Storage Location 1' and a value of 'Storage Location 1'), Override Company Name (Customer Portal), Email Address* (with a value of 'jloftin@opentechalliance.com'), Phone Number* (with a value of '8287760820'), Street* (with a value of '2501 West Dunlap Avenue, Suite 255'), State/Province/Region* (with a value of 'Arizona'), Management Software (with a value of 'Unspecified'), Public Name (Customer Portal) (with a value of 'www.StorageLocation1.com'), Facility URL (with a value of 'www.StorageLocation1.com'), Number of Units* (with a value of '500'), and Customer Service Phone Number (with a value of '8287760820'). At the bottom right, there are two buttons: 'SAVE' (red) and 'CLOSE' (grey).

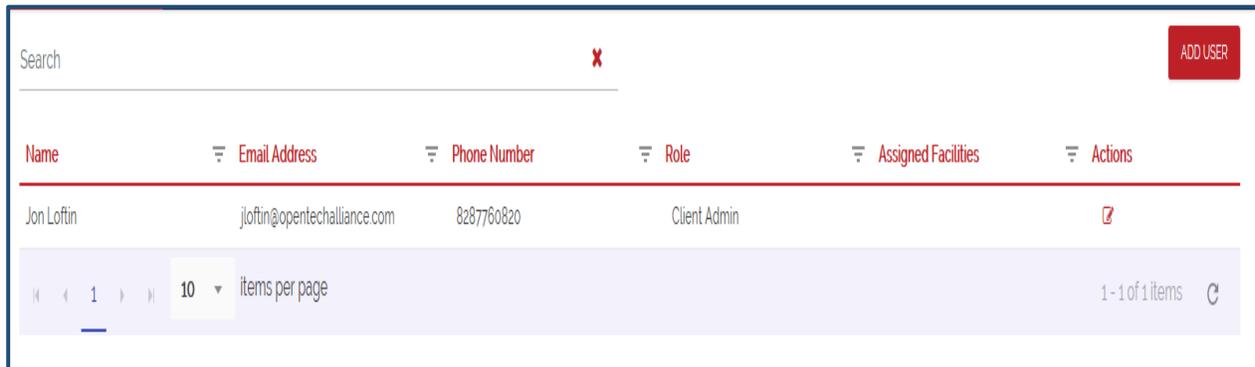
DaVinci Lock – Exclude Facility from API

- A DaVinci Lock facility must be included in the API for the Control Center integration to function.



DaVinci Lock – Users List View

- Displays DaVinci Lock user profile.



Name	Email Address	Phone Number	Role	Assigned Facilities	Actions
Jon Loftin	jloftin@opentechalliance.com	8287760820	Client Admin		

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DaVinci Lock – Company List View

- Shows assigned facilities and number of locks.

OpenTech Alliance

Total Purchased Locks: 100 Total Active Locks: 100 Locks Used This Month: 0 BUY LOCKS

Invoice Details *Below is a list of your current and past invoices.*

Search

Invoice Number	Issue Date	Due Date	Amount	Status	Link
No items to display					

Lock Details *Below are the details for your facilities including the number of purchased locks and currently active locks.*

Search

Facility Name	# Purchased locks	# Active Locks
Storage Location 1	50	50
Storage Location 2	50	50
Total:	100	100

1 - 2 of 2 items

DaVinci Lock – Company Edit

- Update DaVinci Lock company information.

Edit Company

Company Name*
OpenTech Alliance

Company URL*
www.OpenTechAlliance.com

Phone Number*
8287760820

Street*
2501 West Dunlap Avenue, Suite 255

State/Province/Region*
Arizona

Public Name (Customer Portal)

Email Address*
jloftin@opentechalliance.com

Customer Service Phone Number

City*
Phoenix

ZIP/Postal Code*
85021

Miscellaneous Settings These settings allows you to customize additional features on your account.

A personalized customer portal can be shown to your tenants by choosing a subdomain
max 20 characters: a-z, 0-9, and hyphen _____ .overlockrelease.com

Your customer portal can display a custom logo.
Drag an image to or click on the box below to upload one. Max 300KB

SAVE CLOSE

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DaVinci Lock – Add Company Personnel

- Add additional company level users.

Add Company Personnel

First Name* _____ Last Name* _____

Company Name* _____ Role* _____
OpenTech Alliance Select

Facility* _____
Storage Location 2
Storage Location 1

Email Address* _____ Phone Number* _____

Street* _____ ZIP/Postal Code* _____

City* _____ State/Province/Region* _____

SAVE **CLOSE**

DaVinci Lock – Edit Company Personnel

- Update company level user profile.

Edit Company Personnel

First Name* Jon Last Name* Loftin

Company Name* _____ Role* _____
OpenTech Alliance Client Admin

Facility* _____
Storage Location 2
Storage Location 1

Email Address* jloftin@opentechalliance.com Phone Number* 8287760820

Street* 2501 West Dunlap Avenue, Suite 255 ZIP/Postal Code* 85021

City* Phoenix State/Province/Region* Arizona

SAVE **CLOSE**

DaVinci Lock - Activate Serial Codes

- Assign locks to facilities and activate the serial code associated with the lock.

If you have received locks from us you can activate them by adding them one at a time to your facilities here.

- Select the facility you'd like to assign a lock to.
- Enter the serial code of the lock you have.
- Tap the Activate button.

Facility*:

Enter Serial Code*

ACTIVATE

DaVinci Lock – Serial Codes List View

- Displays lock assignments by facility, serial and unlock codes, as well as lock status.

Facility Name	Unit Number	Serial Code	Unlock Code	Updated By	Updated At (UTC)	Status	Substatus
Storage Location 2		9C7S976C	7969	Shai Oren	07/22/2019 15:29:44	Active	Available
Storage Location 2		826B277R	6834	Shai Oren	07/22/2019 15:29:44	Active	Available
Storage Location 2		SU2722S9	2837	Shai Oren	07/22/2019 15:29:44	Active	Available
Storage Location 2		7474424R	4070	Shai Oren	07/22/2019 15:29:44	Active	Available
Storage Location 2		P2823797	8513	Shai Oren	07/22/2019 15:29:44	Active	Available

DaVinci Lock – Lock Status Edit

- Update lock status setting:
 - Available (default setting)
 - Assigned to Overlock (API integration with the Control Center)
 - Returned to Dropbox (API integration with the Control Center)
 - Assigned to Vacant Unit ((API integration with the Control Center)
 - Tenant Using Lock
 - Damaged

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Edit

Serial Code 9C7S976C

Status **Available**

Unlock Code 7969 EDIT

Unit Number _____

Facility Name Storage Location 2 ⇄

✓ UPDATE ⓧ CANCEL

DaVinci Lock – API Settings List View

- Shows the API Key and API Secret for the facility or facilities assigned to the integration.
- A company can have multiple Integrations.
- Each Integration will have its own API Key and API Secret.

API Keys *Provide these to integrated service providers to allow them to access your facilities.* What is this?

Search ✖ CREATE API KEY

Name	API Key	API Secret	Facility API IDs	Actions
INSOMNIACCIA	hn4ZPGjcgkHNTaHDlwo5jdFbJ2ChOIWqoNIUoAkj8yyW	Edit to show	Storage Location 2, Storage Location 1	🔗 🔒

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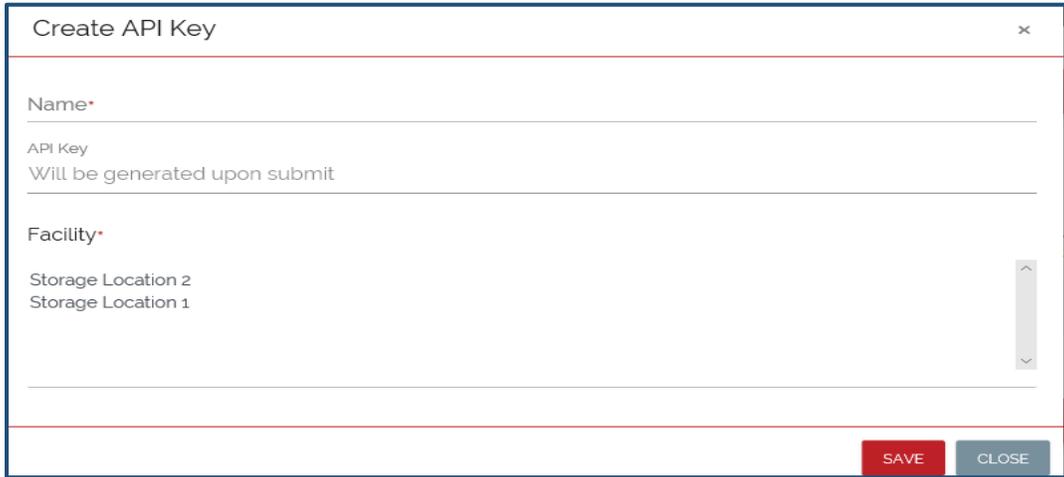
Facility API IDs *Use these IDs to access facility information via the API.*

Facility Name	Facility ID	Include in API
Storage Location 1	77c12725-5f75-409e-9c72-650405241486	<input checked="" type="checkbox"/>
Storage Location 2	eafc48d9-7cfe-4111-a414-65f2761a32b6	<input checked="" type="checkbox"/>

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DaVinci Lock – API Settings – Create API Key

- Generates the API Key for the selected integration and associated facility or facilities.



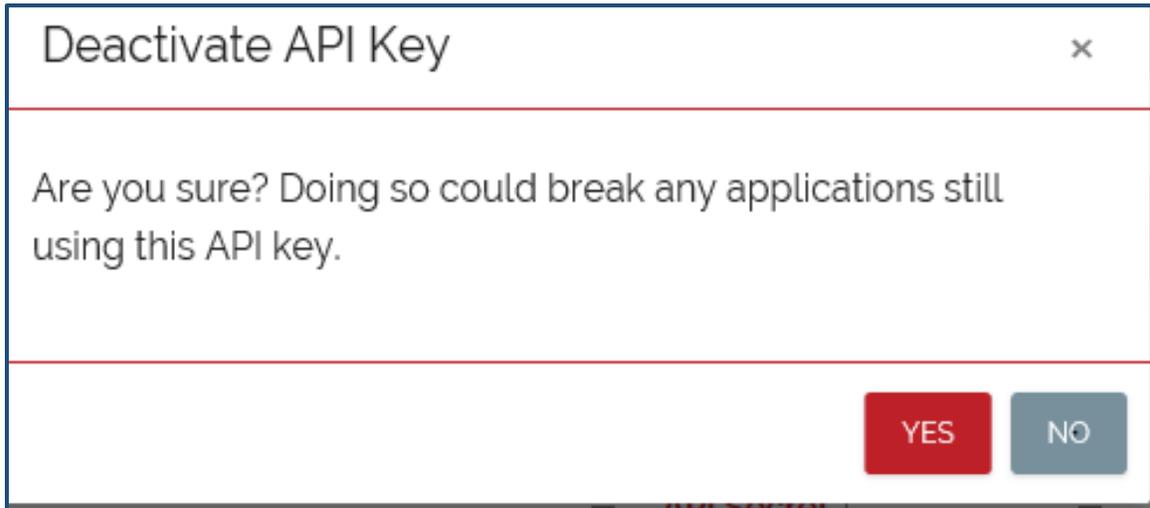
DaVinci Lock – API Settings – Edit API Key

- Update the name of the integration.
- View API Secret.



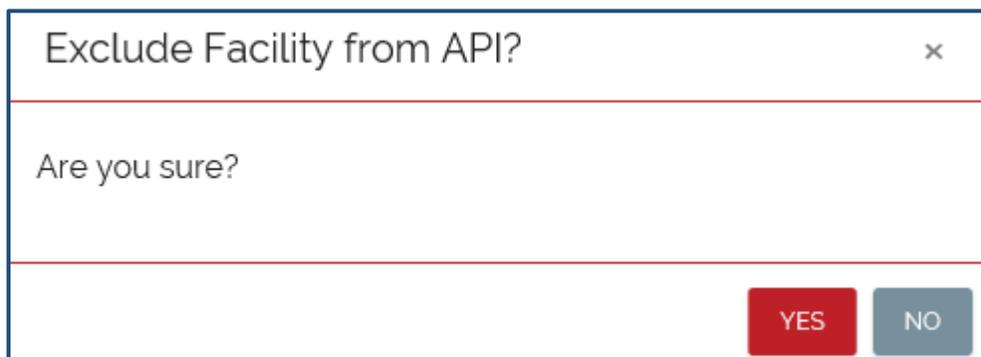
DaVinci Lock – API Settings – Deactivate API Key

- Deactivate (or reactivate) API Key for the associated integration.
- Communication between DaVinci Lock and the Control Center requires the API Key to be active.



DaVinci Lock – API Settings – Exclude Facility from API

- Exclude (or include) a facility from DaVinci Lock API.
- A facility must be included in the DaVinci Lock API for communication between DaVinci Lock and the Control Center.



DaVinci Lock – Return to Dropbox

- Once the tenant receives a text message with the DaVinci unlock code (or is given the code by a Call Center Agent) and gains access to their unit, the tenant should return the lock to the facility's designated Drop Box.
- The OpenTech IoE system will post an API request to DaVinci Lock to update that lock's status to 'Returned to Dropbox'. The Control Center will then pick up that new status on the next system refresh.
- The status of the lock in the DaVinci Lock portal will show as 'Returned to Dropbox' until the time facility management updates the status.

