

## Tech Tip 170025

### infinias Mobile Credential - Triggering Rules with Mobile Credentials

<b>Tech Tip #:</b>	170025-2
<b>Date:</b>	June 28 <sup>th</sup> , 2017
<b>Product Affected:</b>	infinias Mobile Credential
<b>Purpose:</b>	This tech tip is intended to instruct the reader on the process of triggering logical rules for infinias access control software (Intelli-M) using infinias Mobile Credentials.

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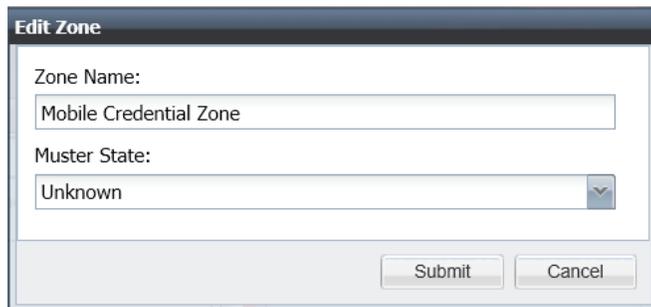
## 1 Introduction - Lockdown with Mobile Credentials

infinias Mobile Credential inherently allows people to use their phone as an access control credential. However, the power of the infinias Mobile Credential App and the Intelli-M Access Rules Engine allows users to drive rules logic with the push of a button from your smart phone. In fact, Lockdown, elevator controls, triggering IOs, and recording cameras in alarm mode are simply a click away with your infinias Mobile Credential App. The infinias Mobile Credential App becomes infinitely more powerful and useful when you consider all this can be done with a simple virtual door.

In this example we will show you how to use mobile credential to trigger *Lockdown* and *Revert* by creating virtual doors in Intelli-M Access.

### 1.1 Create a Zone

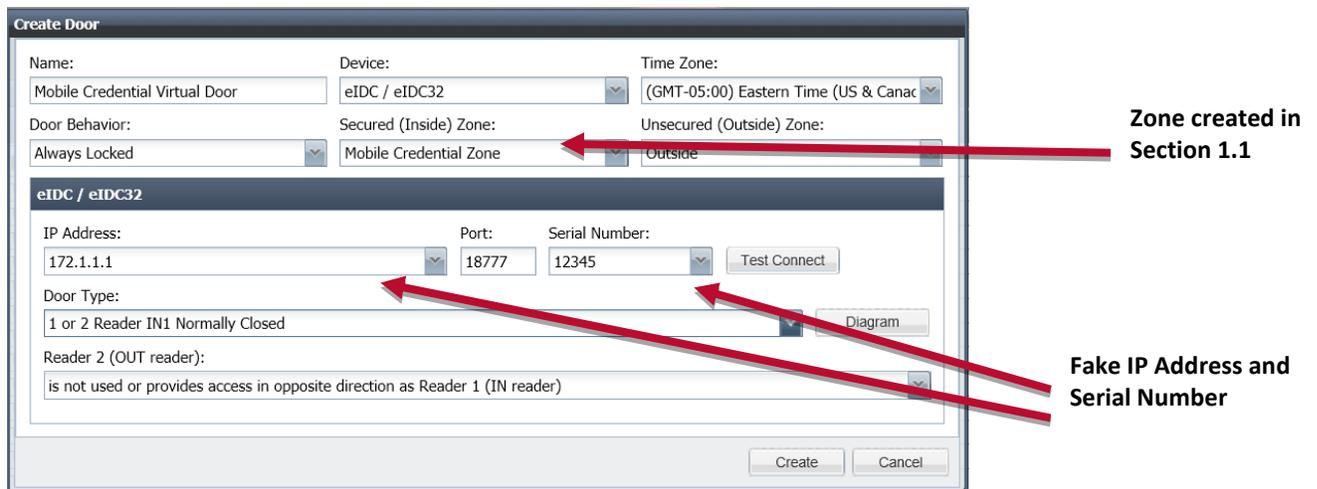
This will be the Secured Zone applied to the virtual door that we will create in the following step. This Zone is to ONLY be applied to virtual door.



In this example, we will use the Zone Name 'Mobile Credential Zone.' It may be more appropriate to name the zone **Lock Down Zone** or a similar identifier depending on the rule scenario that you are creating.

### 1.2 Create a Virtual Door

This is not an actual door controller, rather a "fake" or virtual door that is still given a unique ID in the SQL Database. Make sure the Secured Zone is the one you previously created in the prior step and apply a fake IP Address and Serial Number to the Door.

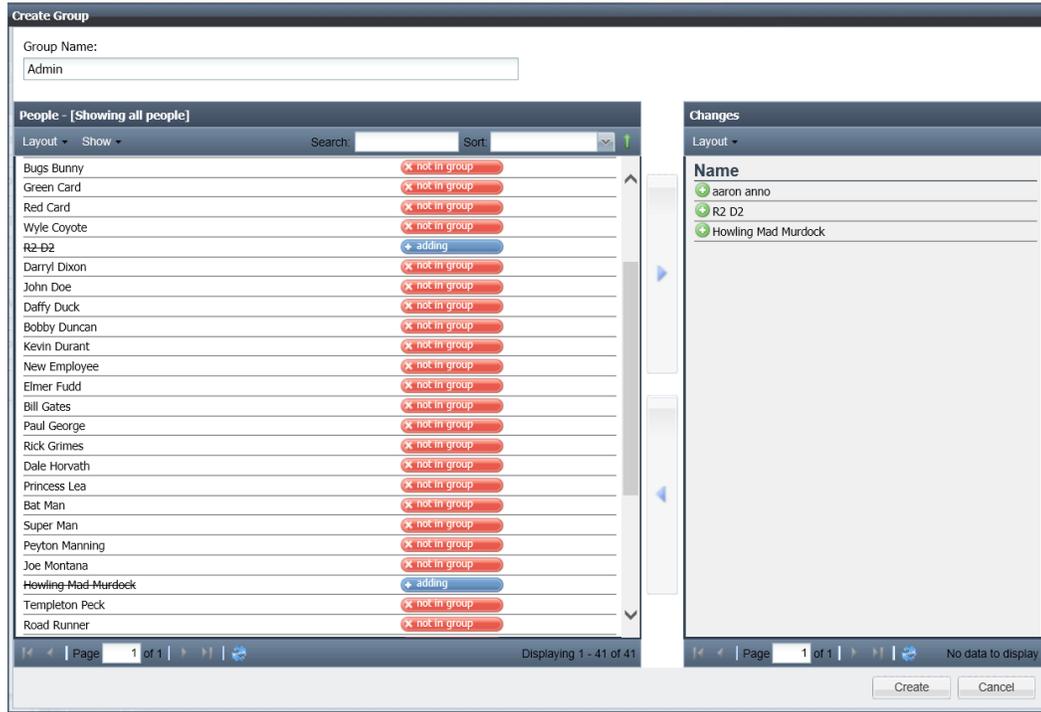


**Zone created in Section 1.1**

**Fake IP Address and Serial Number**

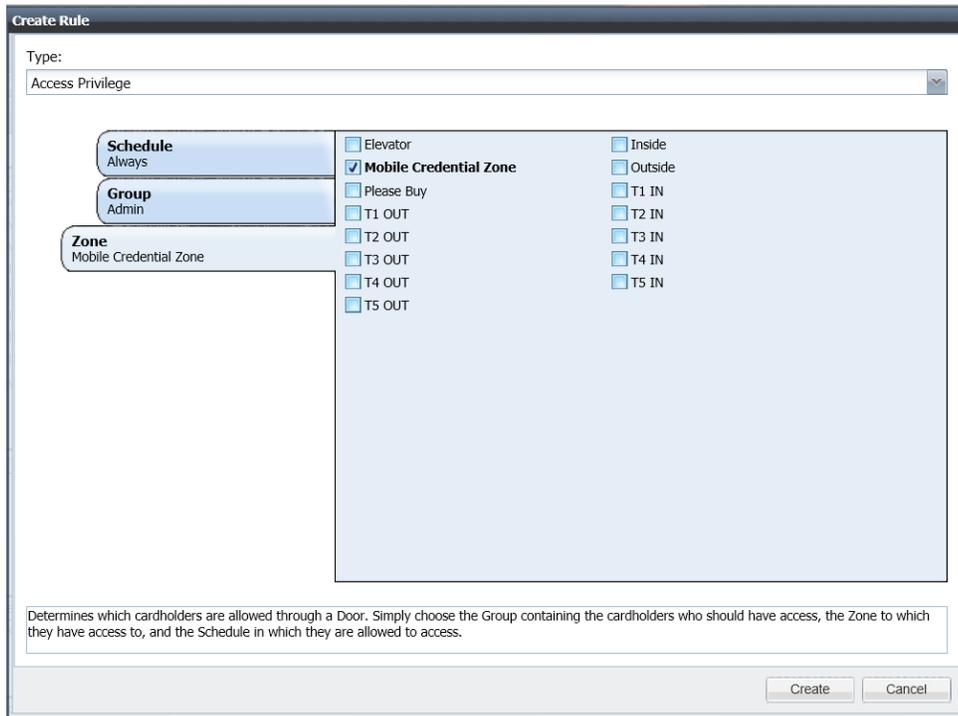
### 1.3 Create an Admin Group

This is a select few who will have “access privileges” to the Secured Zone of your virtual door, per the database.



### 1.4 Create Access Privilege

Give your 'Admin' group access to your virtual door's 'Secured Zone,' on an 'Always' schedule.



### 1.5 Create a Lockdown Zone Rule

This rule will be triggered by an *Access Granted* command from your Admin group. This scenario can only be triggered by your infinias Mobile Credential App. The only people that will see these virtual doors on the Mobile Credential app are the those belonging to the Admin group.

#### Conditions of Rule:

- **Schedule**- Always (When the Rule is Active)
- **Door**- Mobile Credential Door (Filter of the Event selected below)
- **Event**- Valid Credential
- **Target Zone**- The desired Zone or Zones to Lockdown

**Create Rule**

Type: Lockdown Zone

**Schedule**  
Always

**Group**

**Zone**

**Door**  
Mobile Credential Virtual Door

**Reader**

**Event**  
ValidCredential

**Target Zone**  
T1 IN, T2 IN, T3 IN, T4 IN, T5 IN

**Previous Rule**

<input type="checkbox"/> 172.20.20.101	<input type="checkbox"/> 172.20.20.102
<input type="checkbox"/> 172.20.20.103	<input type="checkbox"/> 172.20.20.104
<input type="checkbox"/> 172.20.20.105	<input type="checkbox"/> 172.20.20.106
<input type="checkbox"/> 172.20.20.107	<input type="checkbox"/> 172.20.20.108
<input type="checkbox"/> 172.20.20.109	<input type="checkbox"/> 172.20.20.110
<input type="checkbox"/> 172.20.20.111	<input type="checkbox"/> 172.20.20.112
<input type="checkbox"/> 172.20.20.113	<input type="checkbox"/> 172.20.20.114
<input type="checkbox"/> Elevator	<input checked="" type="checkbox"/> Mobile Credential Virtual Door

Performs lockdown on all the Doors in a Zone based on the specified Event - NO CARD SWIPES ALLOWED. Simply choose the Event, plus optionally the Zone, Door or Reader at which the Event occurred, plus optionally the Group that initiated the Event, and the Target Zone to Lockdown. The Zone is locked in an overridden state until Reverted to its normal Schedule.

Create Cancel

## 1.6 Unlock Virtual Door with Mobile Credential App

Log into your mobile credential and refresh your list of Doors. You should see the door that you created in Step 1.2. Select the Door and unlock it.



This will pass an Access Granted event to the database, thus triggering your Lockdown Zone Rule.

172.20.20.103		Output Overridden: LEDActive (LEDActive)	10/30/2014 11:47:43 AM	
172.20.20.103		Output Overridden: Lockdown (Lockdown)	10/30/2014 11:47:43 AM	
172.20.20.103		Output Overridden: Lockdown (Lockdown)	10/30/2014 11:47:43 AM	
172.20.20.105		Output Overridden: Lockdown (Lockdown)	10/30/2014 11:47:43 AM	
172.20.20.105		Output Overridden: Lockdown (Lockdown)	10/30/2014 11:47:43 AM	
172.20.20.105		Access Status (Override Active)	10/30/2014 11:47:43 AM	
172.20.20.107		Output State Change: OverrideActive (Override Active)	10/30/2014 11:47:43 AM	
172.20.20.112		Output State Change: OverrideActive (Override Active)	10/30/2014 11:47:45 AM	
172.20.20.104		Output State Change: OverrideActive (Override Active)	10/30/2014 11:47:44 AM	
172.20.20.102		Output State Change: OverrideActive (Override Active)	10/30/2014 11:47:44 AM	
172.20.20.101		Output State Change: OverrideActive (Override Active)	10/30/2014 11:47:44 AM	
172.20.20.105		Output State Change: OverrideActive (Override Active)	10/30/2014 11:47:45 AM	
172.20.20.112		Output State Change: OverrideActive (Override Active)	10/30/2014 11:47:44 AM	
172.20.20.114		Output State Change: OverrideActive (Override Active)	10/30/2014 11:47:45 AM	
172.20.20.103		Output State Change: OverrideActive (Override Active)	10/30/2014 11:47:45 AM	
172.20.20.109		Output State Change: OverrideActive (Override Active)	10/30/2014 11:47:44 AM	
	Rules Engine	Rules Command Executed (Lock Doors)	10/30/2014 11:47:42 AM	
	Rules Engine	Rules Command Executed (Lock Doors)	10/30/2014 11:47:42 AM	
	Rules Engine	Rules Command Executed (Momentary Unlock Doors)	10/30/2014 11:47:41 AM	
Mobile Credential Virtual Door	anno, aaron	Outside Mobile Credential Zone	Access Granted (Valid Credential)	10/30/2014 11:47:41 AM

Name	Reader 1 (IN) Zone	Reader 2 (OUT) Zone	Status
172.20.20.101	T2 IN	T2 OUT	[Green] [Red] [Blue]
172.20.20.102	T1 IN	T1 OUT	[Green] [Red] [Blue]
172.20.20.103	T1 IN	T1 OUT	[Green] [Red] [Blue]
172.20.20.104	T2 IN	T2 OUT	[Green] [Red] [Blue]
172.20.20.105	T4 IN	T4 OUT	[Green] [Red] [Blue]
172.20.20.106	T3 IN	T3 OUT	[Green] [Red] [Blue]
172.20.20.107	T1 IN	T1 OUT	[Green] [Red] [Blue]
172.20.20.108	T4 IN	T4 OUT	[Green] [Red] [Blue]
172.20.20.109	T4 IN	T4 OUT	[Green] [Red] [Blue]
172.20.20.110	T5 IN	T5 OUT	[Green] [Red] [Blue]
172.20.20.111	T5 IN	T5 OUT	[Green] [Red] [Blue]
172.20.20.112	T3 IN	T3 OUT	[Green] [Red] [Blue]
172.20.20.113	T3 IN	T3 OUT	[Green] [Red] [Blue]
172.20.20.114	T2 IN	T2 OUT	[Green] [Red] [Blue]
Elevator	Elevator	Inside	[Green] [Red] [Blue]
Mobile Credential Virtual Door	Mobile Credential Zone	Outside	[Red] [Green] [Blue]

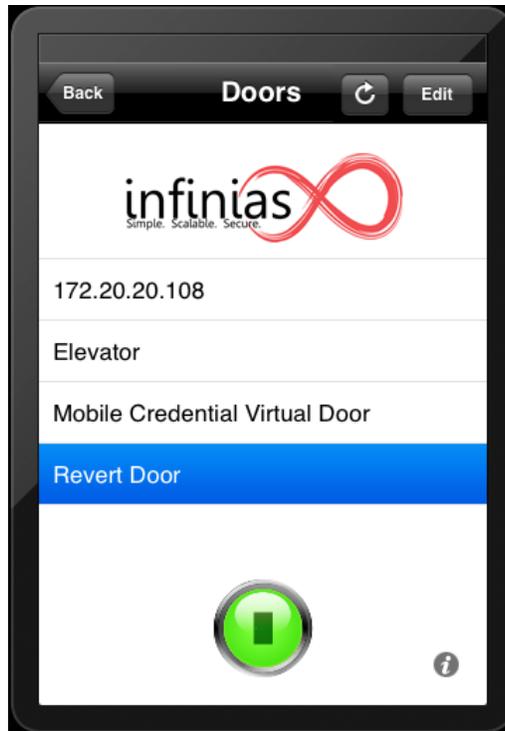
### 1.7 Follow the Same steps for a Virtual Revert Zone Door

Another useful option is to create a virtual door that is used to Revert your Zones back to their normal lock schedule, following the process as outlined in [Section 1.1](#) through [Section 1.4](#).

### 1.8 Create a Revert Zone Rule

This Rule will be triggered by an Access Granted from your Admin group. This scenario can only be triggered by your infinias Mobile Credential App. The only people that will see these virtual doors on the Mobile Credential App are the ones that have the Group Membership of 'Admin'.

### 1.9 Revert Zones with Mobile Credential App



## 2 Elevator Control with Mobile Credentials

In this example, we will show you how to use mobile credential to trigger outputs on your Relay 16 Device. You can either use a real door or a virtual door. For the purpose, of this document, we will use a virtual Door.

### 2.1 Follow the Steps for Creating a Virtual Door

You can also create a virtual door that is used to fire off outputs from your 16 Relay device, following the same process as outlined in [Section 1.1](#) through [Section 1.4](#).

### 2.2 Create an Energize Ethernet 16 Output Rule

This rule will be triggered by an Access Granted command from your Admin group. This scenario can only be triggered by your infinias Mobile Credential App. The only people that will see these virtual doors on the Mobile Credential App are the those belonging to the Admin group.



**Note:** You can create multiple Groups that have access to this door. When you build your Rule, each group will fire off the outputs that you select. Thus, allowing you to limit which floors each group will be able to access.

#### Conditions of Rule:

- **Schedule-** Always (When the Rule is Active)
- **Group-** Admin (Filter of Event selected below)
- **Door-** Virtual Elevator Door (Filter of the Event selected below)
- **Event-** Valid Credential
- **IO Controller-** The desired 16 Relay Device

**Create Rule**

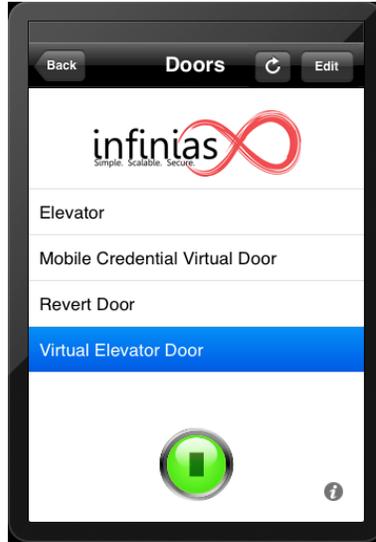
Type: Energize Ethernet 16-Output (Timed)

<b>Schedule</b> Always	<input checked="" type="checkbox"/> Lobby	<input checked="" type="checkbox"/> Floor 1
<b>Group</b> Admin	<input type="checkbox"/> Floor 2	<input type="checkbox"/> Floor 3
<b>Zone</b>	<input checked="" type="checkbox"/> Floor 4	<input type="checkbox"/> Output 6
<b>Door</b> Virtual Elevator Door	<input type="checkbox"/> Output 7	<input type="checkbox"/> Output 8
<b>Reader</b>	<input type="checkbox"/> Output 9	<input type="checkbox"/> Output 10
<b>Event</b> ValidCredential	<input type="checkbox"/> Output 11	<input type="checkbox"/> Output 12
<b>Action</b>	<input type="checkbox"/> Output 13	<input type="checkbox"/> Output 14
<b>I/O Controller</b> 16-Relay Out (172.20.20.10)	<input type="checkbox"/> Output 15	<input type="checkbox"/> Output 16
<b>Outputs</b> Lobby, Floor 1, Floor 4		

Energize Ethernet 16-Output for 8 Seconds

Create Cancel

### 2.3 Unlock Virtual Door from Mobile Credential App



This will pass an Access Granted event to the database, thus triggering your Energize Relay for Outputs selected in Rule "Lobby", "Floor 1", and "Floor 2".

Location	Full Name	From	To	Event	Date
	Rules Engine			Rules Command Executed (Momentary Unlock Doors)	10/30/2014 1:44:55 PM
Virtual Elevator Door	anno, aaron	Outside	Virtual Elevator Zone	Access Granted (Valid Credential)	10/30/2014 1:44:55 PM



### 3 Contact Information

If you require more information, or if you have any questions or concerns, please contact 3xLOGIC Support:

Email: [helpdesk@3xlogic.com](mailto:helpdesk@3xlogic.com)

Online: [www.3xlogic.com](http://www.3xlogic.com)