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## Tech Tip 170025

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

Tech Tip #:	170025-2
Date:	June 28 <sup>th</sup> , 2017
Product Affected:	infinias Mobile Credential
Purpose:	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.

Edit Zone	
Zone Name:	
Mobile Credential Zone	
Muster State:	
Unknown	¥
	Submit Cancel

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.

Create Door			
Name:	Device:	Time Zone:	
Mobile Credential Virtual Door	eIDC / eIDC32	(GMT-05:00) Eastern Time (US & Canac 💙	
Door Behavior:	Secured (Inside) Zone:	Unsecured (Outside) Zone:	Zone created in
Always Locked	Mobile Credential Zone	Outside	Section 1.1
eIDC / eIDC32			
IP Address:	Port: Serial Nun	nber:	
172.1.1.1	18777 12345	Test Connect	
Door Type:			
1 or 2 Reader IN1 Normally Closed		Diagram	
Reader 2 (OUT reader):			Fake IP Address and
is not used or provides access in opposite	e direction as Reader 1 (IN reader)	~	Serial Number
		Create Cancel	



#### 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.

Admin	
cople - [showing all people]     agout * Show *     Search:     Soft:     Bugs Bunny     sen Card     Card     Search:     Soft:     Name     Search:     Soft:     Soft: <th></th>	
conject_[snowing all people]   canades   canades   canades   canades   canades   adding   canades   canades   canades   adding    canades   adding   canades ca	
Layout Now     Search     Sort     Image: Caryout Participation: Cargo	
Bugs Bunny	
Green Carld <ul> <li>             ext in group</li>             ext in group             ext in group             ext in group             ext in group             ext in gr</ul>	
Red Card <ul> <li>Mode (and one)</li> <li>Whe Coyote</li> <li>X not in group</li> </ul> <li>R2-D2</li> <li>Howling Mad Murdock</li> <li>X not in group</li> <li>Bobby Duncan</li> <li>X not in group</li> <li>Kevin Durant</li> <li>X not in group</li> <li>Red Carge</li> <li>X not in group</li> <li>Red X not in gro</li>	
Wyle Coyote <ul> <li>K not in group</li> <li>Adding</li> </ul> Darry Dixon <ul> <li>A dding</li> <li>A dding</li> </ul> John Doe <ul> <li>K not in group</li> </ul> Daffy Duck <ul> <li>K not in group</li> </ul> Bobby Duncan <ul> <li>K not in group</li> </ul> Revin Durant <ul> <li>K not in group</li> </ul> New Employee <ul> <li>K not in group</li> </ul> Bill Gates <ul> <li>K not in group</li> </ul> Ruk Grimes <ul> <li>K not in group</li> </ul> Ball Gates <ul> <li>K not in group</li> </ul> Super Man <ul> <li>K not in group</li> </ul> <td></td>	
R2-02 <ul> <li>adding</li> <li>Darry Dixon</li> <li>(* not in group)</li> </ul> Darry Dixon         (* not in group)             Daffy Duck         (* not in group)           Bobby Duncan         (* not in group)           Kevin Durant         (* not in group)           Kevin Durant         (* not in group)           Rev Employee         (* not in group)           Bill Gates         (* not in group)           Rick Grimes         (* not in group)           Rick Grimes         (* not in group)           Rick Grimes         (* not in group)           Bat Man         (* not in group)           Super Man         (* not in group)           Super Man         (* not in group)           Loe Montana         (* not in group)           Loe Montana         (* not in group)           Rod Runner         (* not in group)	
Darry Dixon	
John Doe	
Daffy Duck	
Bobby Duncan <ul> <li>K ind in group</li> </ul> <li>Kevin Durant</li> <li>K ind in group</li> <li>Ether Fudd</li> <li>K ind in group</li> <li>Bill Gates</li> <li>K ind in group</li> <li>Rak Grimes</li> <li>K ind in group</li> <li>Cale Horvath</li> <li>K ind in group</li> <li>Cale Mortana</li> <li>Cale Mort</li>	
Kevin Durant <ul> <li>R tot in group</li> <li>R ind in group</li> </ul> <li>Ether Fudd</li> <li>R ind in group</li> <li>Bill Gates</li> <li>R ind in group</li> <li>Paul George</li> <li>R tot in group</li> <li>Paul George</li> <li>R tot in group</li> <li>Dale Horvath</li> <li>R ind in group</li> <li>Bat Man</li> <li>R tot in group</li> <li>Bet Maning</li> <li>R ind in group</li> <li>Bat Man</li> <li>R tot in group</li> <li>R tot in grou</li>	
New Employee       Imer Fudd         Elmer Fudd       Imer fudd         Bill Gates       Imer fudd         aul George       Imer fudd in group         Rick Grimes       Imer fudd in group         Rick Grimes       Imer fudd in group         Rick Grimes       Imer fudd in group         Sate Honvath       Imer fudd in group         Sate Man       Imer fudd in group         Super Man       Imer fudd in group         Bee Montana       Imer fudd in group         Howling Mad Murdlock       Imer group         Templeton Peck       Imer fud in group         Road Runner       Imer fud in group         Displaying 1-41 of 1       Imer fud in for the group	
Elmer Fudd       Image region         Bill Gates       Image region         Bill Gates       Image region         Bill Gates       Image region         Bill Gates       Image region         Rack Grimes       Image region         Date Horvath       Image region         Princess Lea       Image region         Stuper Man       Image region         Stuper Man       Image region         Stuper Man       Image region         Dete Horvath       Image region         Reverse Manning       Image region         Templeton Peck       Image region         Road Runner       Image region         Image 1       Image region	
Bill Gates       K not in group         Paul George       K not in group         Rick Grimes       K not in group         Dale Horvath       K not in group         Princess Lea       K not in group         Bat Man       K not in group         Stuper Man       K not in group         Peyton Manning       K not in group         Bee Montana       K not in group         Howling Mad Murdeek       Implemention         Fernpleton Peck       K not in group         Road Runner       K not in group         I of 1       I of 1	
Paul George	
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Princess Lea       K not in group         Bat Man       K not in group         Super Man       K not in group         Devoton Manning       K not in group         Gee Montana       K not in group         Howling Mad Murdock       A adding         Fernpleton Peck       K not in group         Road Runner       K not in group         I of 1   >>   😂       Displaying 1-41 of 41	
Bat Man	
Super Man        Super Man     Image: making group       Veyton Manning     Image: making group       Ioe Montana     Image: making group       Ioe Montana     Image: making group       Ioe Montana     Image: making group       Image: making make the standard	
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< <   Page 1 of 1 >> >1 @ Displaying 1 - 41 of 41	
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#### **1.4 Create Access Privilege**

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

Create Ru	le			-
Type:				
Access	Privilege			~
	Schedule	Elevator	🔲 Inside	
	Always	📝 Mobile Credential Zone	Outside	
	Group	Please Buy	T1 IN	
	Admin		T2 IN	
	Zone	T2 OUT	T3 IN	
	Mobile Credential Zone		T4 IN	
			15 IN	
		13 001		
Determin		Deep Cincely also are the Conversion their in the		
they hav	re access to, and the Schedule in which they	a allowed to access.	le cardholders who should have access, the zone to which	1
			Create	



#### 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

down Zone		
down Zone		
(	<b>170 00 00 101</b>	
Always		
Group		172.20.20.106
<u></u>		
Zone		
		172.20.20.114
Door Mobile Credential Virtual Door	Elevator	Mobile Credential Virtual Deer
Pioble Credential Virtual Door	Lievator	
Reader		
Event		
ValidCredential		
Target Zone		
T1 IN,T2 IN,T3 IN,T4 IN,T5 IN		
Previous Rule		
ms lockdown on all the Doors in a Zone b or Reader at which the Event occurred pl	ased on the specified Event - NO CARE us ontionally the Group that initiated th	SWIPES ALLOWED. Simply choose the Event, plus optionally the e Event, and the Target Zone to Lockdown. The Zone is locked in
dden state until Reverted to its normal Sc	hedule.	e eveniç ana ale ranget cone to coldown. The cone is focked in

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#### 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)	10/20/20
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 11:47:12 AM
172.20.20.103				Output State Change: OverrideActive (Override Active)	10/30/2
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 Doore)	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

ACCESS Profession	Doors Schedules Groups	Rules Peripherals Settings		
	Layout -			Search: Sort: 🖓 🕽
NS	Name	Reader 1 (IN) Zone	Reader 2 (OUT) Zone	Status
	172.20.20.101	T2 IN	T2 OUT	
loors	172.20.20.102	T1 IN	T1 OUT	
lehaviors	172.20.20.103	T1 IN	T1 OUT	000
ones	172.20.20.104	T2 IN	T2 OUT	
	172.20.20.105	T4 IN	T4 OUT	
ions	172.20.20.106	T3 IN	T3 OUT	
10113	172.20.20.107	T1 IN	T1 OUT	000
reate Door	172.20.20.108	T4 IN	T4 OUT	<u> </u>
	172.20.20.109	T4 IN	T4 OUT	
	172.20.20.110	T5 IN	T5 OUT	
	172.20.20.111	T5 IN	T5 OUT	
	172.20.20.112	T3 IN	T3 OUT	<u>õ</u> ēõ
	172.20.20.113	T3 IN	T3 OUT	<u>õ</u> ēõ
	172.20.20.114	T2 IN	T2 OUT	
	Elevator	Elevator	Inside	<u>õ</u> ēõ
	Mobile Credential Virtual Door	Mobile Credential Zone	Outside	



#### **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 <u>Section 1.1</u> through <u>Section 1.4</u>.

#### 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

Back Doors C Edit
infinias Sumple. Scalable. Secure
172.20.20.108
Elevator
Mobile Credential Virtual Door
Revert Door
0



#### 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 <u>Section 1.1</u> through <u>Section 1.4</u>.

#### 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

Schedule	<b>V</b> Lobby	Floor 1	
Aiways	Floor 2	Floor 3	
Group	Floor 4	Output 6	
Admin	Output 7	Output 8	
Zone	Output 9	Output 10	
	Output 11	Output 12	
Door	Output 13	Output 14	
Virtual Elevator Door	Output 15	Output 16	
Reader			
Event			
ValidCredential			
Action			
I/O Controller			
16-Relay Out (172.20.20.10)			
Outputs			
obby,Floor 1,Floor 4			
Ethernet 16-Output for 8 Seconds			



#### 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	То	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: <u>helpdesk@3xlogic.com</u> Online: <u>www.3xlogic.com</u>