3xLOGIC

Tech Tip 170025

infinias Mobile Credential - Triggering Rules with Mobile Credentials

Tech Tip #:	170025-2
Date:	June 28th, 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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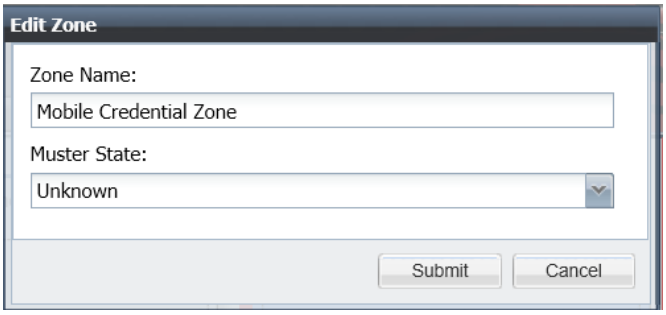
1 Introduction - Lockdown with Mobile Credentials

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

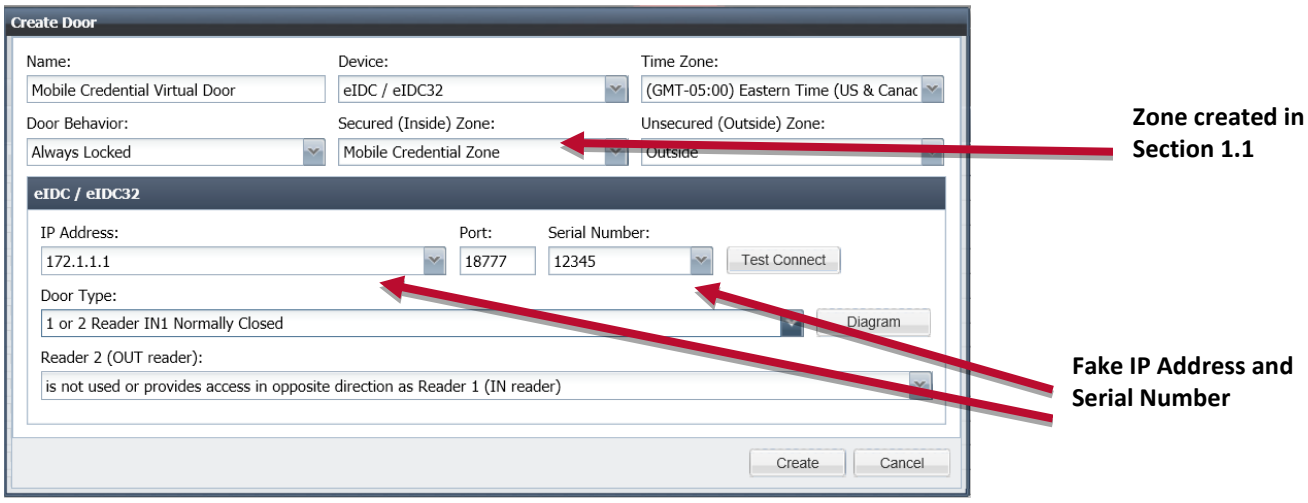
This will be the Secured Zone applied to the virtual door that we will create in the following step. This Zone is to ONLY be applied to virtual door.



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.

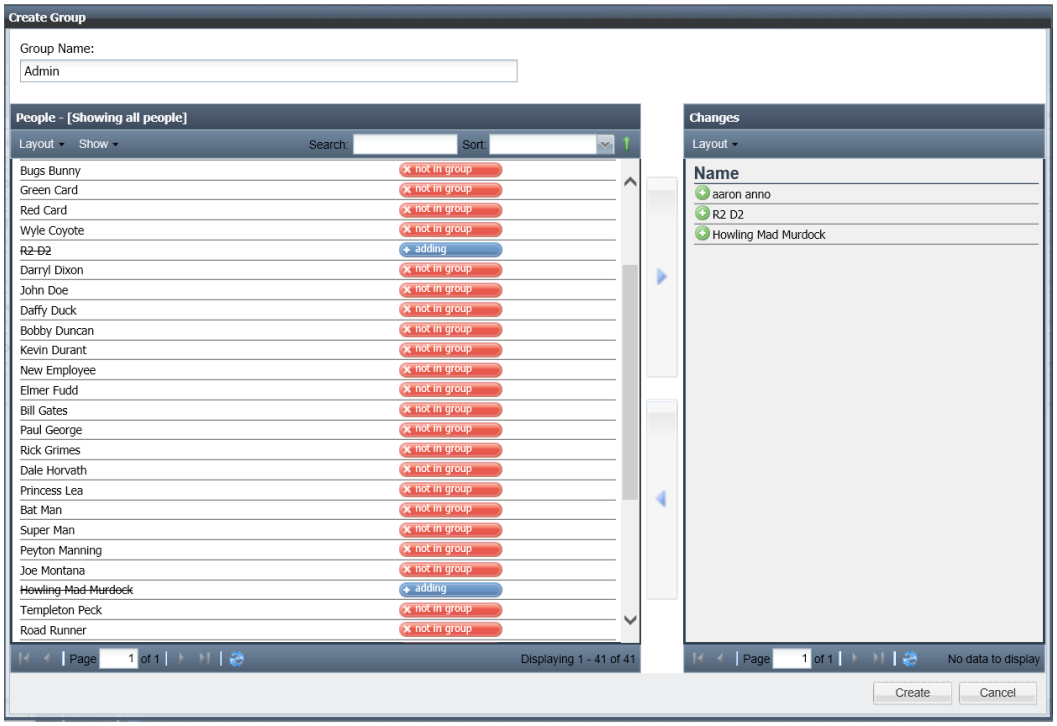
1.2 Create a Virtual Door

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.



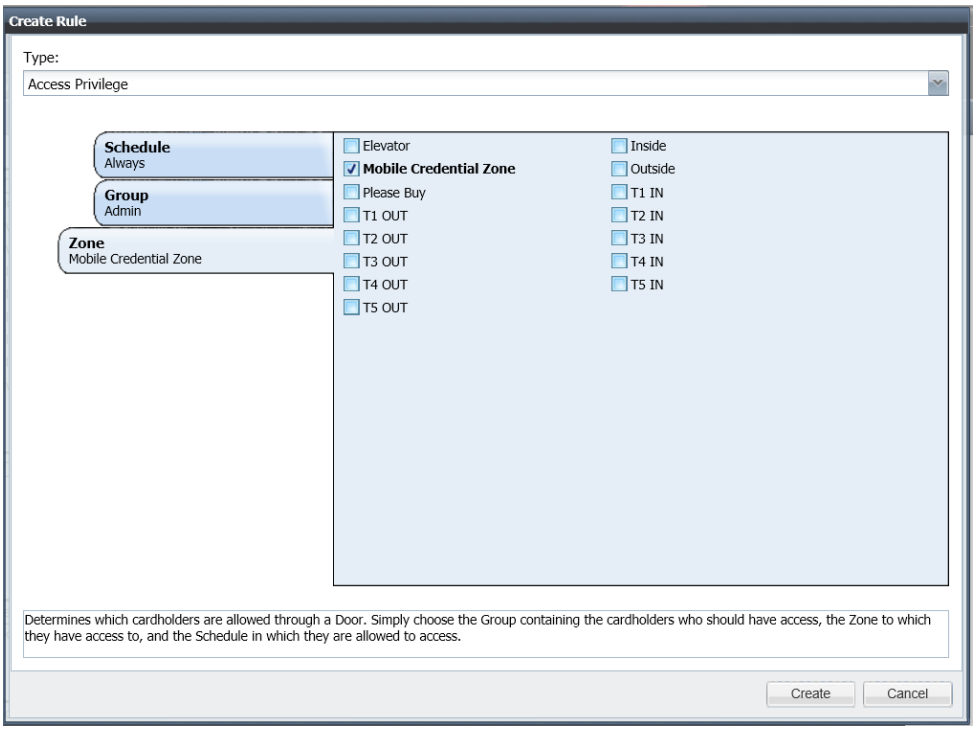
1.3 Create an Admin Group

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.

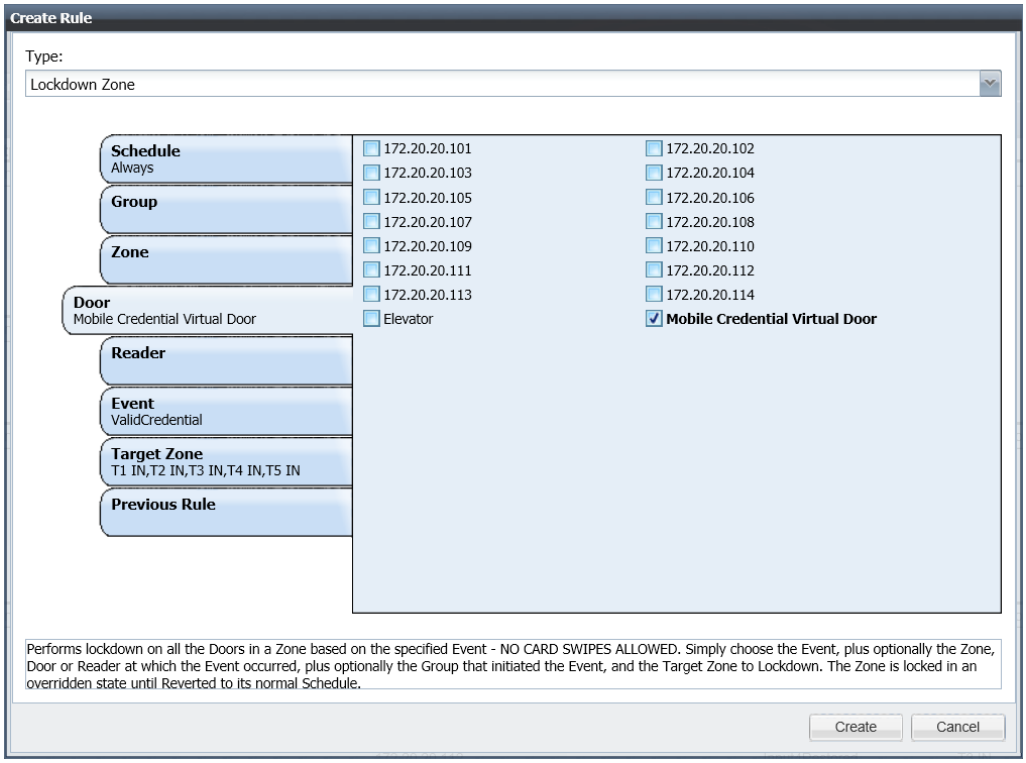


1.5 Create a Lockdown Zone Rule

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

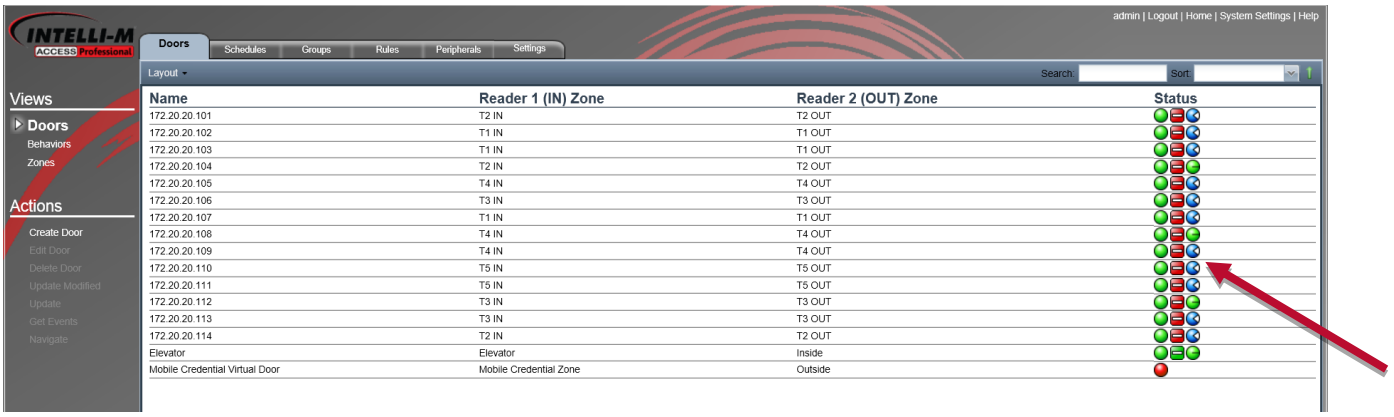


1.6 Unlock Virtual Door with Mobile Credential App

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 11:47:44 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



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.

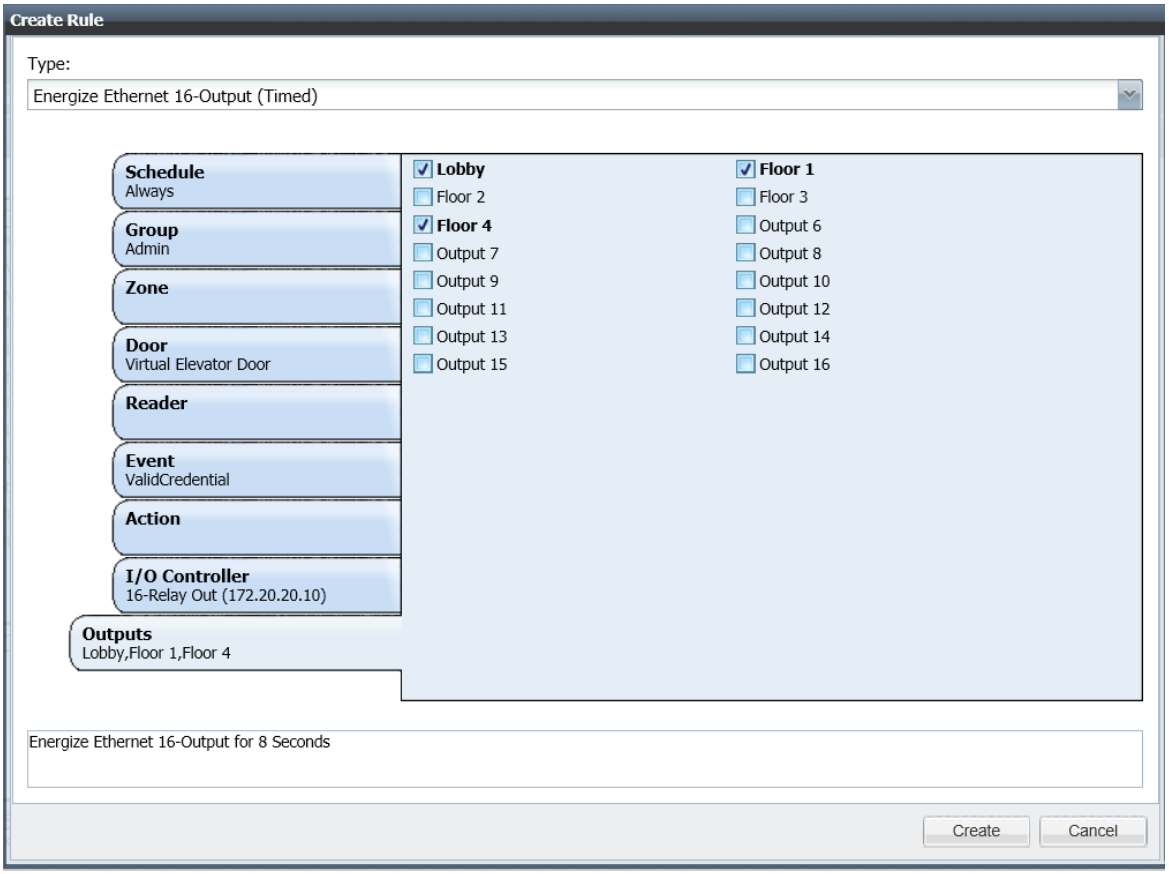
2.2 Create an Energize Ethernet 16 Output Rule

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:

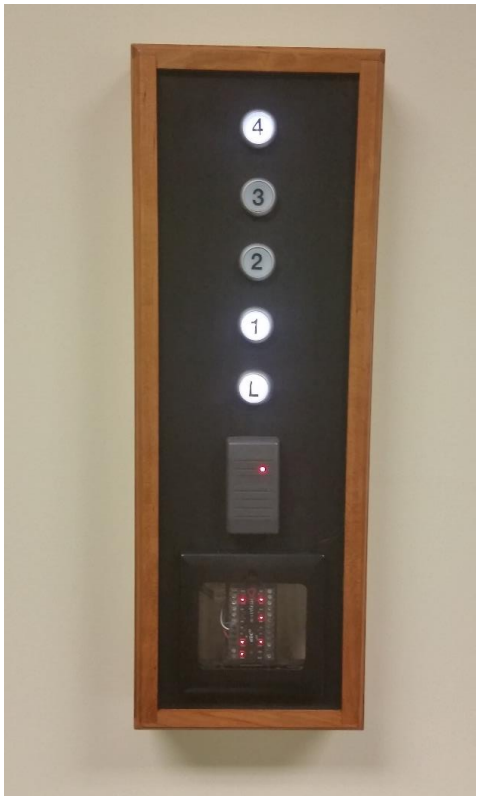
- **Schedule**- Always (When the Rule is Active)
- **Group**- Admin (Filter of Event selected below)
- **Door**- Virtual Elevator Door (Filter of the Event selected below)
- **Event**- Valid Credential
- **IO Controller**- The desired 16 Relay Device



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
Online: www.3xlogic.com