

White Paper: Cindev Agent Variable Injection

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How Variable Injection works with Cindev Agents

Dealers can create dynamic messages by injecting variables found within the project. These are similar to Control4's Add Variable feature but follow a slightly different syntax. Injection always starts with { (curly brace) and ends with a closing } (curly brace).

Ex. {192:USER_NAME} has unlocked the door

Ex. The door is now {999:STATE}

Ex. The temperature of the wine fridge is {4820:TEMPERATURE_F} degrees

Ex. {USER} has unlocked the door

Ex. Home is now set to {Home Mode} mode

There are two types of variables and the format is described below:

Injecting Device Variables

Format: **{deviceId:variableName}**

- deviceId -> the id of the device
- variableName-> the name (case sensitive) of the variable
- Some Variables are tied to the proxyId of the device. Most common example would be the Light proxy. LIGHT_LEVEL would be deviceId +1. In general if the deviceId value is incorrect try adding 1 to the number and trying again.

Injecting Global Variables

Format: **{variableName}**

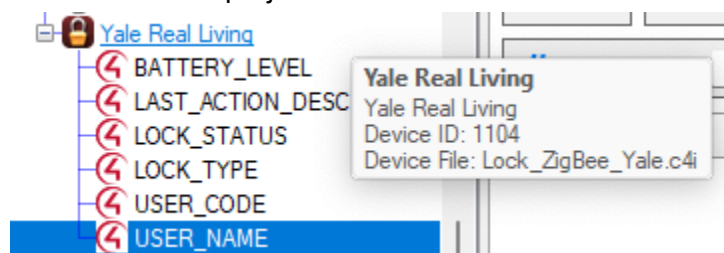
- variableName-> the name of the Composer Variable (case sensitive)

Example (Device Variable)

The Customer would like an email with a camera image when the front door unlocks. This notification should include who unlocked the door. Below is the properly formatted message:

```
{1104:USER_NAME} has unlocked the door
```

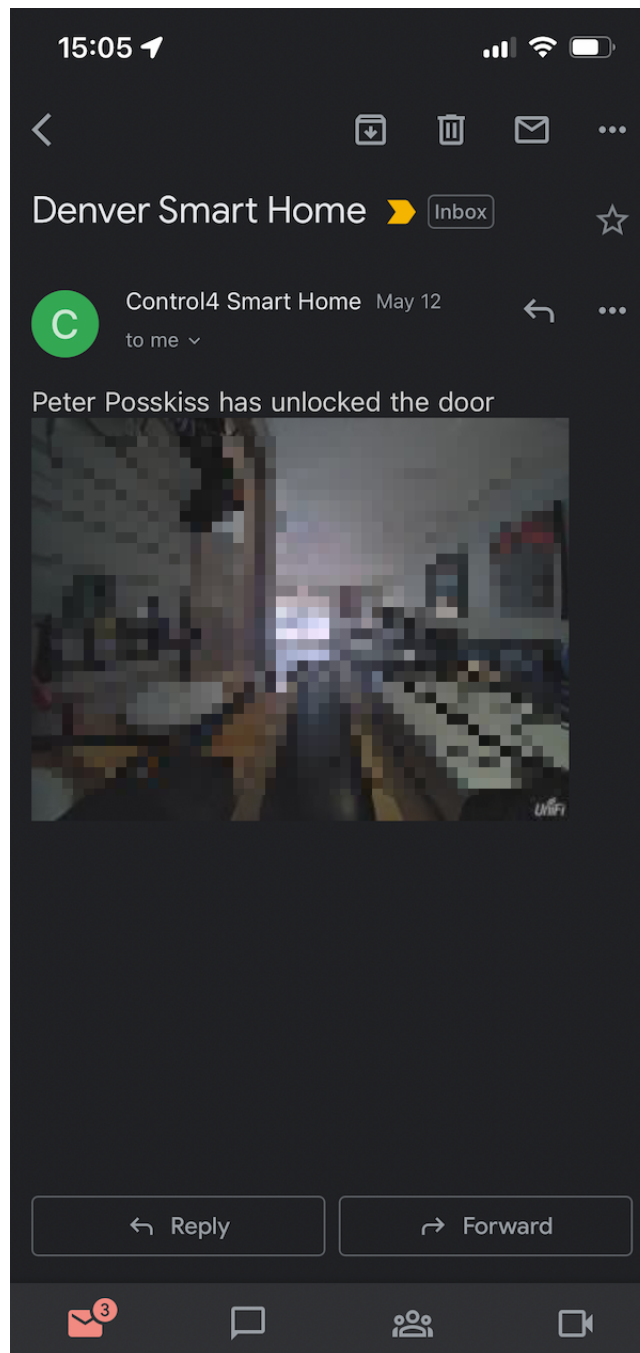
The deviceId for the Yale lock in this project is: 1104 and the variableName is USER_NAME



Here's is example of the Composer Programming (using the Email+ Agent)

Device Specific Command	
Send Email	
Message	{1104:USER_NAME} has unlocked the door
Camera Snapshot	Front->Doorbell
Subject	

Here's the resulting email:



Example (Global Variables)

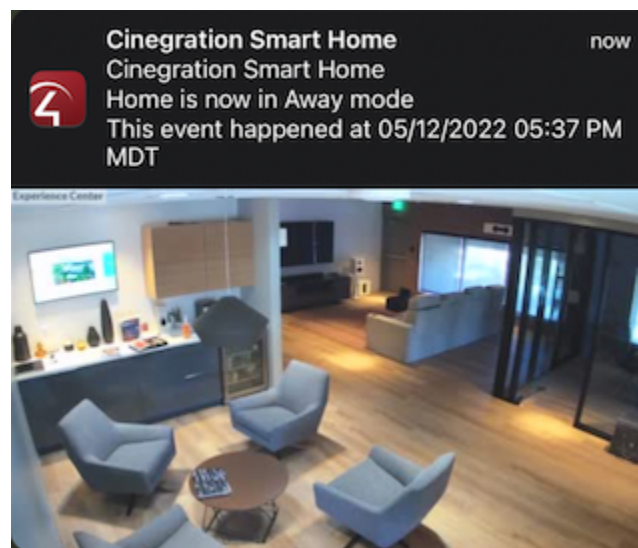
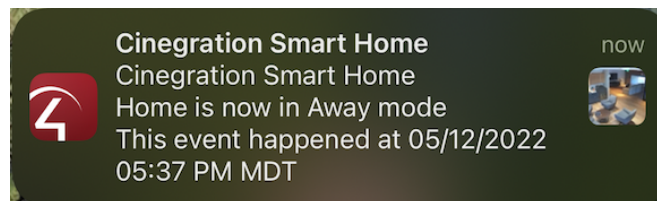
The Homeowner would like to get a push notification when their home mode changes. To do this the Dealer would create a Global Variable called 'Home Mode' and create modes for the home. When the mode changes, send a push notification to the customer with the current mode. The message would be formatted below:

```
Home is now in {Home Mode} mode
```

The variableName (Home Mode) is Away

Variables	
<input type="checkbox"/> Display System Variables	
Variable Name	Value
CP-DiagnosticsIgnoredDevices	[]
CP-DiagnosticsIgnoredDevices	[]
Home Mode	Away

The result would be the following (these are using the Email+ Agent with a camera snapshot)





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