

```

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 *
 * Turn It On When There's Motion
 *
 * Author: SmartThings
 */

definition(
    name: "Turn It On When There's Motion",
    namespace: "smarthings",
    author: "SmartThings",
    description: "Turn something on when the motion sensor detects motion.",
    category: "Convenience",
    iconUrl: "https://s3.amazonaws.com/smartapp-icons/Meta/light_contact-outlet.png",
    iconX2Url: "https://s3.amazonaws.com/smartapp-icons/Meta/light_contact-outlet@2x.png"
)

preferences {
    section("When there's motion..."){
        input "motion", "capability.motionSensor", title: "Which door?"
    }
    section("Turn on a light..."){
        input "switches", "capability.switch", multiple: true
    }
}

def installed() {
    subscribe(motion, "motion.active", switchOnHandler)
}

def updated() {
    unsubscribe()
    subscribe(motion, "motion.active", switchOnHandler)
}

def switchOnHandler(evt) {
    log.debug "$evt.value: $evt, $settings"
    log.trace "Turning on switches: $switches"
    switches.on()
}

```

Developing an Internet of Things Activity

... Creating a Rule Using Samsung SmartThings Hubs

This lab was developed using the “SmartThings Workshop – Extending the SmartThings Platform” which can be viewed on YouTube at

<https://www.youtube.com/watch?v=upliJt9iEUc> and the SmartThings documentation
<http://docs.smartthings.com/en/latest/getting-started/first-smartapp.html>

1. Create a SmartThings developer account (don't worry, it's free)
 - a. Go to <http://ide.smartthings.com>
 - b. Click on the “Register Now” link
 - c. Fill out the form and click the “Register” button
 - d. There will be an email from SmartThings ... go to your email and complete the registration process

2. The attached guide on “Writing Your First Smart App” is an excellent walk through the process
 - a. For this lab you should develop the app that will detect motion and turn on a light ... in this case a switch.
 - b. Start by writing the code in the IDE (the development environment) on the web site and use the simulator to test it out.

Here is a copy of the code (don't just copy it ... follow the guide and walk through the process)