

# Room Thermostat Sample Application for Azure Blockchain Workbench¶

## Overview¶

The room thermostat scenario expresses a workflow around thermostat installation and use. In this scenario, a person will install a thermostat and indicate who is the intended user for the thermostat. The assigned user can do things such as set the target temperature and set the mode for the thermostat.

## Application Roles¶

Name Description Installer A person who is responsible for installing the thermostat. User A person who uses the thermostat.

## States¶

Name Description Created Indicates that a thermostat installation has been requested. InUse Indicates that the thermostat is in use.

## Workflow Details¶

The room thermostat is a simple workflow to demonstrate how to use the enum data type. Once the installer has installed and started the thermostat, the user can take two main actions. As a user, you can set the target temperature to a temperature you specify, or you can set the mode to one of four modes: Off, Cool, Heat, and Auto.

## Application Files¶

[RoomThermostat.sol](#)