Hubitat SmartThing Integration Data Collection

Objective of driver: Gather the data required to develop a Hubitat Environment driver for different SmartThings integrated devices.

Driver Code Installation:

- Add the code below into your hubitat Driver repository and Save
- Create a virtual device with the device type "ST Data Collect" (from the drop down menu)
- Code Location: https://github.com/DaveGut/HubitatActive/tree/master/SamsungTvRemote

SmartThings Check:

- Open SmartThings on your phone.
- Verify the device you wish to install is in the list of devices.
- Make sure the device is controllable (if that is your requirement) in STs.

SmartThing API Key: To run this driver, you will need a Smart Things API Key. The key is in the format of the bogus key below:

c2b25b47-ed3f-4ef7-9e88-55deb5c35060

This key is obtained from https://account.smartthings.com/tokens

Data Collection Process

- 1. Open a separate log window in your browser.
- 2. Install the device driver. See Figures A-1 and A-2 for examples of the page display as well as the log page. Figure A-3 shows a log line for if you enter an incorrect key. Usual failure is not copying the entire length of the key from the web page.
- 3. Enter the SmartThings API Key into Preferences and "Save Preferences". See Figures B-1 and B-2 for examples of the page display as well as the log page.
- Select the Device ID from the log display and enter into the preference SmartThings Device ID. Run "Save Preferences. See Figures C for an example of the log page.
- 5. To repeat the collection process for a different device, simply replace the SmartThings Device ID.
- 6. To repeat for the current device, simply run "Save Preferences" again.

Figure A-1. Initial device Edit Page

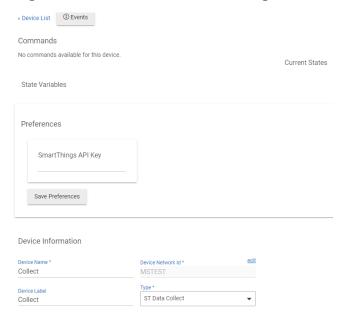


Figure A-2. Initial Log



Figure A-3. Log items if SmartThings API Key is incorrect.

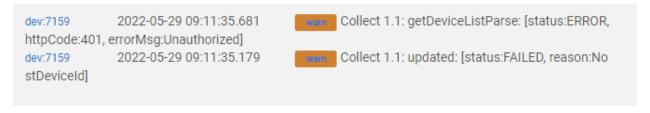


Figure B-1. Successful ST API Key Entry (Bogus Key)

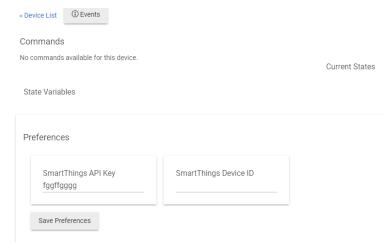


Figure B-2. Log entry on successful Key entry with device list. (Note selected area, which is the deviceID to copy.)

dev:7159	2022-05-29 09:15:44.263	trace	Copy your device's deviceId value and enter into the device Preferences.
dev:7159	2022-05-29 09:15:44.260	trace	Bed Fire TV: 84ed6595-c3b0-4dbe-b332-e5efed17c1b4
dev:7159	2022-05-29 09:15:44.257	trace	Bed Left: daacd6bf-f988-457c-a912-e62aec2a0f46
dev:7159	2022-05-29 09:15:44.255	trace	Front Porch: 3d9807d3-6050-4904-b02a-997626f7ea69
dev:7159	2022-05-29 09:15:44.252	trace	Multiroom Power: 0c78c23c-46bb-42db-9b54-db1899ead11c
dev:7159	2022-05-29 09:15:44.249	trace	Den Speaker: 93b4a227-466b-4c20-a4b1-a0ff53a367c8
dev:7159	2022-05-29 09:15:44.246	trace	1b: 1ab5c91b-bd44-4a09-82e6-9a7b346d49d4
dev:7159	2022-05-29 09:15:44.243	trace	Fan: 49f32461-14a5-480e-a2bd-6ac2f4aa3262
dev:7159	2022-05-29 09:15:44.241	trace	Couch Left: 66265c6e-bc66-4269-8b68-4047b4b2f497
dev:7159	2022-05-29 09:15:44.238	trace	Couch Right: 2f5f9820-c4e2-4734-affa-9d8ca96484f3
dev:7159	2022-05-29 09:15:44.235	trace	Laptop: 79afc460-cdcc-407e-bdec-61053f69dc55
dev:7159	2022-05-29 09:15:44.232	trace	1c: 45b1d0e9-2acb-41b3-8434-bfec1b843d30
dev:7159	2022-05-29 09:15:44.229	trace	Reading Light: 0e138501-1431-4a39-a11e-da65a0f91a64
dev:7159	2022-05-29 09:15:44.226	trace	Fire Cube: 85b6f875-b0b7-40e8-90fb-900af2644395
dev:7159	2022-05-29 09:15:44.222	trace	HS300-03: ab55d96f-608d-49d1-a17d-aaff3b0c019d
dev:7159	2022-05-29 09:15:44.218	trace	Light Strip: 249372c6-4d9a-4877-b89c-563f117a0f67

Figure C-1. Log entry for successful device ID.

dev:7159 trace deviceStatus: [components:[main:[colorControl:[saturation:[value:0, 2022-05-29 09:20:05.163 timestamp;2022-04-26T16;46;41.665Z], color;[value:null], hue;[value:0, timestamp;2022-04-26T16;46;41.665Z]], healthCheck; [checkInterval:[value:60, unit:s, data:[deviceScheme:UNTRACKED, protocol:cloud], timestamp:2022-04-26T16:46:39.371Z], healthStatus:[value:null], DeviceWatch-Enroll:[value:null], DeviceWatch-DeviceStatus:[value:offline, data:[:], timestamp:2022-04-30T16:46:39.765Z]], switchLevel:[level:[value:44, unit:%, timestamp:2022-04-26T16:46:41.665Z]], refresh:[:], switch:[switch: [value:on, timestamp:2022-04-30T12:29:51.182Z]], colorTemperature:[colorTemperature:[value:6500, unit:K, timestamp:2022-04-30T13:14:44.544Z]]]]] 2022-05-29 09:20:02.152 trace deviceDescription: [deviceId:0e138501-1431-4a39-a11e-da65a0f91a64, dev:7159 name:c2c-rgbw-color-bulb, label:Reading Light, manufacturerName:SmartThings, presentationId:SmartThings-smartthings-c2crgbw-color-bulb, locationId:3194e04d-4739-44dc-b21b-fa4094c7945c, components:[[id:main, label:main, capabilities:[[id:switch, version:1], [id:switchLevel, version:1], [id:colorControl, version:1], [id:colorTemperature, version:1], [id:refresh, version:1], [id:healthCheck, version:1]], categories:[[name:Light, categoryType:manufacturer]]]], createTime:2022-04-26T16:46:39.127Z, profile: [id:4d24a797-e0c0-45ad-8725-04aa6eb2eeb1], viper:[uniqueIdentifier:80122A4264FF2A75C31A588C707C14311DD88A0F, manufacturerName:TP-LINK, modelName:KL125(US), swVersion:1.0.7 Build 211009 Rel.172044, hwVersion:1.20], type:VIPER, restrictionTier:0, allowed:[]]

Figure C-2. Error log entry for incorrect device ID entry.

dev:7159	2022-05-29 09:26:57.083	warn C	ollect 1.1: devParse: [error: InvalidResponse, respStatus: 400]
dev:7159	2022-05-29 09:26:54.127	wam C	ollect 1.1: devDescParse: [error: InvalidResponse, respStatus: 400]