

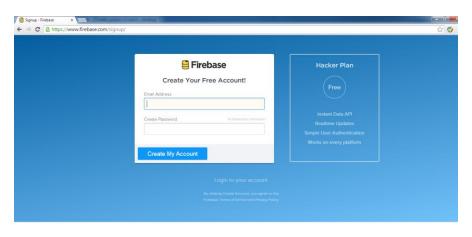


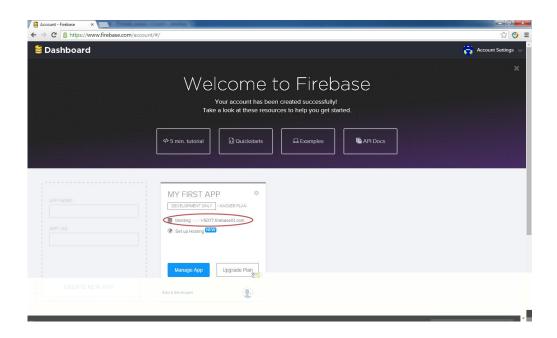
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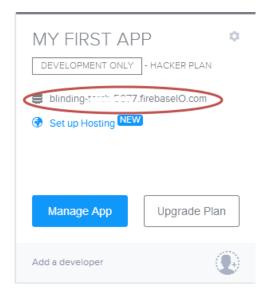














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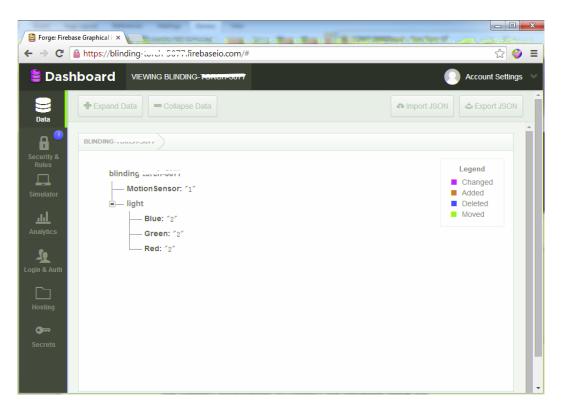
2.3.8.2 Parameters

2.3.8.3 Return Value

2.3.8.4 Remarks









**>** 

```
IP address: 192.168.1.102

(1)Wi-Fi is associated to AP, and get IP address.

Got IP after 4693ms.

(2)AP is connecting to Internet

WIFI initialized

init_thread(50), Available heap 0x5f80

Start connecting to Google Nest Server!

Example code connect to Google Database 2 mins after system reboot

Update the Motion Sensor's data to 0

Start update to Cloud

Update the Motion Sensor's data to 1
```





```
<script>
var myDataRef = new Firebase("https://your_firebase_address.firebaseio.com");
function submit()
{
```

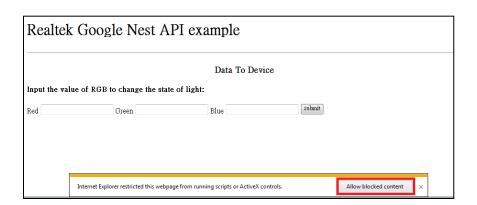


Realtek Google Nest API example

Data To Device
Input the value of RGB to change the state of light:

Red 12 Green 8 Blue 4 submit









```
COM13:38400baud - Tera Term VT

File Edit Setup Control Window Help

The latest RGB information: RGB(data: {"path":"/Red","data":33}, , GET /light.json?ns=boiling-fire-8665&sse=

true HTTP/1.1

Host: s-dal5-nss-18.firebaseio.com
)
```

#### 4.1.1.1 'ATWO' Wlan Set Network SSID

#### 4.1.1.2 'ATW1' Wlan set Network Passphrase



## 4.1.1.3 'ATW2' Wlan Set Key ID

4.1.1.4 'ATWC' Wlan Join a Network

4.1.1.5 'ATWD' Wlan Disconnect from Network

4.1.2.1 Syntax

4.1.2.2 Parameters



```
# ATWO=rtk
ATWO match ATWO, search cnt 2
[ATWO]: _AT_WLAN_SET_SSID_ [rtk]

[MEM] After do cmd, available heap 47264

# ATWI=12345678
ATWI match ATWI, search cnt 1
[ATWI]: _AT_WLAN_SET_PASSPHRASE_ [12345678]

[MEM] After do cmd, available heap 47264

# ATWC
ATWC match ATWC, search cnt 2
[ATWC]: _AT_WLAN_JOIN_NET_

Joining BSS ...RIL8195A[Driver]: set ssid [rtk]
RTL8195A[Driver]: auth success, start assoc
RTL8195A[Driver]: association success(res=2)

wifi_handshake_done_hdl 31
CCConnected after 126ims.
RTL8195A[Driver]: set group key to hw: alg:4(WEP40-1 WEP104-5 TKIP-2 AES-4) keyid:1
RTL8195A[Driver]: set group key to hw: alg:4(WEP40-1 WEP104-5 TKIP-2 AES-4)

IP address : 192.168.1.100

GGGot IP after 2782ms.

[MEM] After do cmd, available heap 46616
```

```
# ATWD
ATWD match ATWD, search cnt 1
[ATWD]: _AT_WLAN_DISC_NET_

Deassociating AP ...
ioctl[SIOCGIWESSID] ssid = NULL, not connected
WIFI disconnected

[MEM] After do cmd, available heap 47376
```



```
# ATWO=rtk
ATWO match ATWO, search cnt 2
[ATWO1: _AT_VLAN_SET_SSID_ [rtk]

[MEM] After do cmd, available heap 47480

# ATW1=12345
ATW1 match ATW1, search cnt 1
[ATW1]: _AT_VLAN_SET_PASSPHRASE_ [12345]

[MEM] After do cmd, available heap 47480

# ATW2=0
ATW2 match ATW2, search cnt 2
[ATW2]: _AT_VLAN_SET_KEY_ID_ [0]

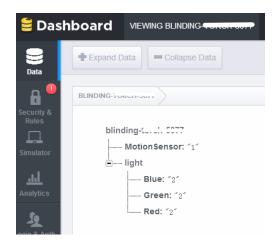
[MEM] After do cmd, available heap 47480

# ATWC
ATWC match ATWC, search cnt 2
[ATWC1: _AT_VLAN_JOIN_NET_

Joining BSS ...RIL8195A[Driver]: set ssid [rtk]
RTL8195A[Driver]: start auth
RTL8195A[Driver]: start auth
RTL8195A[Driver]: start auth
RTL8195A[Driver]: auth success, start assoc
RTL8195A[Driver]: auth success, sta
```

#### 4.2.2.1 Get data from database





```
# ATGO=[get, blinding torch 5077.firebaseio.com,light.json]
[ATGO]: _AT_WLAN_GOOGLENEST_

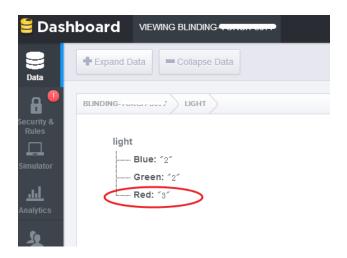
Get data from googlenest: {"Blue":"2","Green":"2","Red":"2"}
[MEM] After do cmd, available heap 29448
```

#### 4.2.2.2 Put or patch data to database

```
# ATGO=[put, blinding to the ESTT.firebaseio.com,light/Red.json,"3"]
[ATGO]: _AT_WLAN_GOOGLENEST_

Saving data in firebase is successful!
[MEM] After do cmd, available heap 29448
```





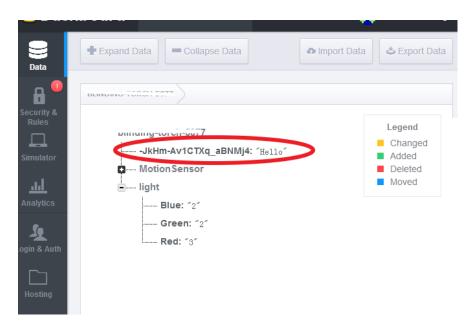
### 4.2.2.3 Post a list of data to database

```
# ATGO=[post, blinding torch 3077.firebaseio.com,.json,"Hello"]
[ATGO]: _AT_WLAN_GOOGLENEST_

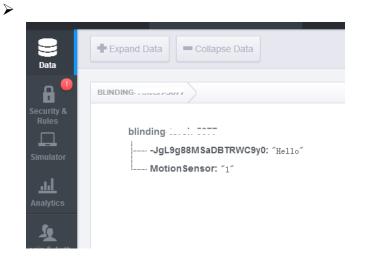
Inserting data to firebase is successful!

The unique name for this list of data is: {"name":"-JkHm-Av1CTXq_aBNMj4"}
[MEM] After do cmd, available heap 29448
```





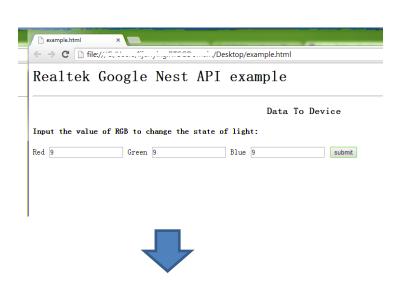
#### 4.2.2.4 Delete data in database

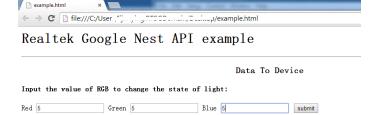




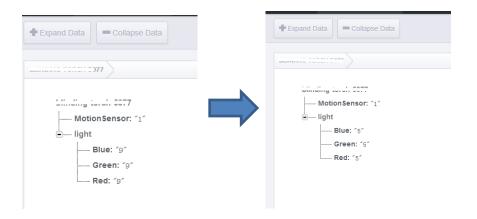
#### 4.2.2.5 Get real-time data in database











```
# ATGO=[stream, linking co.ch sort.firebaseio.com, light.json]
[ATGO]: _AT_WLAN_GOOGLENEST_

Start reconnecting for the streaming...

Reconnection is OK!

Start getting the event!

Response_buf:
event: put
data: {"path":"/", "data":{"Blue":"2", "Green":"2", "Red":"2"}}

Response_buf:
event: put
data: {"path":"/", "data":{"Blue":"9", "Green":"9", "Red":"9"}}

Response_buf:
event: put
data: {"path":"/", "data":{"Blue":"5", "Green":"5", "Red":"5"}}
```