

## How\_to\_use\_the\_sysagent\_module

This article is about how to use the sysagent module in Python

The sysagent module by Cyke64 is very useful in checking various status on the device.

The code for getting status are given below..

```
#import appuifw module
import appuifw
#import e32 module
import e32
#import sysagent and esysagent module
from sysagent import *
from esysagent import *

def viewsysagent():
    app.body.clear()
    status=current_call()
    if status==ESACallNone:
        text="No call"
    # If no call is going on

    elif status==ESACallVoice:
        text="Voice call"
    # If a Voice call is in progress

    elif status==ESACallFax:
        text="Fax call"
    # If a Fax call is in progress

    elif status==ESACallData:
        text="Data call"
    # If a data call or data packet transfer is active

    elif status==ESACallAlerting:
        text="Alerting call"
    # If an Alerting call is in progress

    elif status==ESACallRinging:
        text="Ringing call"
    #If the call is not yet attended and the phone is ringing

    elif status==ESACallAlternating:
        text="Alternate call"
    #If there is an alternate call

    elif status==ESACallDialling:
        text="Dial call"
    # If there is a dialed call

    elif status==ESACallAnswering:
        text="Answering call"
    # # If an answering call is in progress

    elif status==ESACallDisconnecting:
        text="Call disconnected"
    # If a call is disconnected at the moment
```

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```
app.body.add(u'%s\n'%text)
# Show text

status = battery_strength()
# For checking battery strength

if status == ESABatteryAlmostEmpty:
    text="Battery almost empty"
elif status == ESABatteryLow:
    text="Battery low"
elif status ==ESABatteryFull:
    text="Battery full"
app.body.add(u'%s\n'%text)

status = phone_status()
# For checking phone status

if status == ESAPhoneOff:
    text="Phone is off"

elif status==ESAPhoneOn:
    text="Phone is on"
app.body.add(u'%s\n'%text)
# Prints Phone Status

status = SIM_status()
# For Checking SIM Status

if status == ESASimOk:
    text="SIM is ok"

elif status == ESASimNotPresent:
    text="SIM is not present !!!"

elif status == ESASimRejected:
    text="SIM has been rejected !"

app.body.add(u'%s\n'%text)
#Prints SIM Status

status = network_strength()
# For checking network strenght

if status == ESANetworkAvailable:
    text="Network available"

elif status == ESANetworkUnAvailable:
    text="Network is unavailable !"

else:
    text="Network unknown status"

app.body.add(u'%s\n | %d'%(text,status))
# Prints the network Status

status = network_status()
# For Checking network Status

if status == ESANetworkStrengthNone:
    text="Network strength none"
```

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```
elif status == ESANetworkStrengthLow:
    text="Network strength low"

elif status == ESANetworkStrengthMedium:
    text="Network strength medium"

elif status == ESANetworkStrengthHigh:
    text="Network strength high"

elif status == ESANetworkStrengthUnknown:
    text="Network strength unknown"

app.body.add(u'%s\n'%text)
# Prints network Status

status = charger_status()
#Check charger Status..Plugged in, Connected, etc

if status == ESAChargerConnected:
    text="Charger is connected"

elif status == EESAChargerDisconnected:
    text="Charger is disconnected"

elif status == ESAChargerNotCharging:
    text="Charger is not charging"

else:
    text="Charger unknown status"

app.body.add(u'%s\n'%text)
# Prints Charger Status

status = data_port()
# Checks status of the data port

if status == ESADataPortIdle:
    text="Data port idle"

elif status == ESADataPortBusy:
    text="Data port busy"

else:
    text="Data port unknown status"

app.body.add(u'%s\n | %d'%(text,status))
# Prints status of the data port

status = inbox_status()
# Check Inbox status

if status == ESAInboxEmpty:
    text="Inbox empty"

elif status == ESADocumentsInInbox:
    text="Inbox is not empty"

app.body.add(u'%s\n'%text)
#Prints inbox status

status = outbox_status()
```

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```
# Checks outbox status

if status == ESAOutboxEmpty:
    text="Outbox empty"

elif status == ESADocumentsInOutbox:
    text="Outbox is not empty"

app.body.add(u'%s\n'%text)
#Prints Outbox Status

status = irda_status()
#check IRDA status

if status==ESAIrLoaded:
    text="IRDA Irlap layer loaded"

elif status==ESAIrDiscoveredPeer:
    text=""

elif status==ESAIrLostPeer:
    text="IRDA Discovery begin"

elif status==ESAIrConnected:
    text="IRDA Discovery end"

elif status==ESAIrBlocked:
    text="IRDA Irlap layer blocked"

elif status==ESAIrDisConnected:
    text="IRDA Irlap layer disconnected"

elif status==ESAIrUnloaded:
    text="IRDA Irlap layer unloaded"

else:
    text="IRDA unknown status"

app.body.add(u'%s\n | %d'%(text,status))
#Prints IRDA Status

status = clock()
#Checks the Clock Status

if status == ESAAm:
    text="Clock is AM"

elif status == ESAPm:
    text="Clock is PM"

else:
    text="Clock Unknown status"

app.body.add(u'%s\n | %d'%(text,status))
# Prints Clock Status

lock=Ao_lock()
app.body=Text()
app.body.clear()
app.exit_key_handler=lock.signal
```

## How\_to\_use\_the\_sysagent\_module

```
app.menu = [(u"View sysagent info",viewsysagent)]  
lock.wait()
```

### **Download Links:**

[Sysagent](#)

[esysagent](#)