

Re: Newbie question...

Source:

<http://www.tech-archive.net/Archive/PocketPC/microsoft.public.pocketpc.developer/2007-11/msg00133.html>

- *From:* askaryatech@xxxxxxxxxx
 - *Date:* Sun, 11 Nov 2007 08:15:22 -0800
-

Yes, its exactly like SMS text message that we do with our mobile phones.

On the device, SMS will arrive with all the required header information containing sender's information, time along with the actual message in characters. Message body is where you would have send the notification information. Unfortunately its going to be a lot more than a single bit.

(AT)

<http://www.askarya.com>

On Nov 11, 9:06 pm, Nigel Thomas <nospample...@xxxxxxxxxx> wrote:

AT

Thanks for your input, all very interesting...

The SMS service, is that like a text message? or is it capable of being used to send just 1 bit of data (I want to keep data cost to a minimum)

Nigel

askaryat...@xxxxxxxxxx wrote:

Hi,

I guess in that case notification could be sent as SMS from the server to the device. Look for SmsOpen/SmsClose function is Windows Mobile SDK documentation. There are some additional functions related to handling SMS on the WM phone edition devices.

You probably need to implement both mechanisms (WinSock for local wireless and SMS for WAN).

Re: Newbie question...

(AT)

<http://www.askarya.com>

On Nov 11, 6:07 pm, Nigel Thomas <nospample...@xxxxxxxxxxx> wrote:

AT

I need be able to communicate with the WM device via a Wireless connection (which I understand is simple enough once you know it's IP address) but also using a cellular connection GSM/3G/Whatever

Any suggestions

Nigel

askaryat...@xxxxxxxxxxx wrote:

There are two ways for doing WinSock based communication between the WM device and a desktop machine.

1. For development purposes, you can establish activesync connection between the device and the desktop. As soon as activesync is connected, WM device and the desktop PC get their own IP addresses. (on the desktop PC command prompt, do "ipconfig /all" command to see the information about the newly associated adapter). The device too will get the IP from the same subnet. I have seen them getting the IP addresses like 169.254.2.1 (device) and 169.254.2.2 (Desktop PC). Google for any IP config kind of utility for Pocket PC, such as CEIPConfig, otherwise in your own code,

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use gethostname and
gethostbyname to find out IP address of the
device.

2. For production, you might want to use
Wireless networking (WLAN),
which is pretty much there these days in all
WM devices. With the
device and the PC as part of same network,
your application should run
without any or minor changes.

(AT)

<http://www.askarya.com>

On Nov 11, 12:25 pm, Nigel Thomas

<nospample...@xxxxxxxxxxx> wrote:

AT

I've written quite a few
Client/Server applications
using Winsock, so I'm
conversant with its ins and
outs.

When you say Winsock is
the way to go, does this
mean the WM device has an
IP

address which I can talk to
just like an IP address on
any PC?

Nigel

askaryat...@xxxxxxxxxxx

wrote:

I guess

using

Winsock

(Windows

Sockets) is

the way to

go.

For a start,

look at

1. <http://www.microsoft.com/msj/archive/S28F.aspx> which explains
implementation

of a

winsock

sample in

VB (its

quite old

article).

2. <http://www.15seconds.com/issue/010820.htm>

(AT)

Re: Newbie question...

Windows

Mobile

Software

<http://www.askarya.com>

On Nov 10,

3:55 pm,

Nigel

Thomas

<nospample...@xxxxxxxxxxx>

wrote:

askaryat...@xxxxxxxxxxx

wrote:

If
you
are
not
particular
to
writing
a
new
WM
application,
I
would
suggest
using
inbuilt
Pocket
Internet
Explorer
to
browse
your
PC
which
could
run
a
webserver
(IIS,
Apache).
Write
server
side
scripts
(ASP,
PHP
etc)

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and
access
them
through
a
URL
from
the
WM
device.
Advantage
is
that
you
don't
need
to
worry
about
writing
code
in
client
to
connect
to
the
server,
avoid
writing
server
application,
and
issue
of
handling
multiple
sessions.
Of
course
you
need
to
make
sure
that
the
server
IP
is
available

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to
the
device.
This
problem
will
be
there
for
any
other
solution
too.
(AT)
Windows
Mobile
Software
<http://www.askarya.com>
On
Nov
9,
1:58
pm,
Nigel
Thomas
<nospample...@xxxxxxxxxxx>
wrote:

I
have
a
PC
application
that
retrieves
data
from
a
set
of
scientific
instruments
(voltage
levels
mainly).
This
data
is
stored
on
the

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PC.
I
want
to
be
able
to
display
these
levels
on
a
WM
device
with
variable
update
rates
ranging
from
once
every
10
seconds
(when
the
instruments
come
online)
to
once
a
minute/hour
(once
the
system
has
settled)
I
have
a
WM6
device
(HTC),
Broadband,
VS2005
and
a
wealth
of
DOS

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Re: Newbie question...

and
VB6(Classic)
programming
experience.
I
also
am
starting
to
find
my
way
around
VB.NET
Can
some
please
point
me
to
a
place
where
I
can
get
started
with
developing
an
application
for
a
WM
device
which
could
solve
this
problem
Cheers
in
advance
Nigel

AT
Thanks
for
your
reply,
the

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Re: Newbie question...

problem
is,
I
need
to
notify
the
mobile
device
of
events
/
warnings
(over
voltage
for
example)
and
I'm
not
sure
the
server
could
'push'
these
events
to
the
mobile,
or
could
it?
Nigel