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.. SK-VM SK-VM

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.. SK-VM API

API 가 MIDP API OEM API

가 가 가

가 API 가

가 ?

OEM API API 가

OEM API

가 ..

C —;

가 C ..Http Http

URL

Http Http

5 가

..

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C ..

가 ..가

1. . IP PORT  
//  
socket = (StreamConnection)Connector.open("socket://xxx.xxx.xxx.xxx:2000");

2. 가 Stream Data..Stream  
// Data ... Stream..  
dataInputStream = socket.openDataInputStream();  
dataOutputStream = socket.openDataOutputStream();

3. ...  
..SK-VM 가  
가 1kb  
가 1byte

가 가 가 .. 가  
가 가 가  
100kb 100kb 가  
가 .. 가

가 C ..  
1. ..  
//  
socket = (StreamConnection)Connector.open("socket://xxx.xxx.xxx.xxx:2000");  
2. Data..Stream ..  
// In, out ... Stream..  
inputStream = socket.openInputStream();  
outputStream = socket.openOutputStream();  
read(), write()

가  
1 1 1  
2 , 3  
3 UTF read,  
write  
2000

client.java

```
import javax.microedition.lcdui.*;
import javax.microedition.io.*;
import java.io.*;
import java.lang.*;
import com.xce.lcdui.*;
import com.skt.m.*;

public class client extends MIDlet
{
    private Display display;

    // Canvas
    TestCanvas cvs;

    // ...
    StreamConnection socket ;
    DataInputStream dataInputStream;
    DataOutputStream dataOutputStream;

    //
    public client()
    {
        display = Display.getDisplay(this);

        try
        {
            //
            socket
            (StreamConnection)Connector.open("socket://xxx.xxx.xxx.xxx:2000");

            // Data ... Stream..
            dataInputStream = socket.openDataInputStream();
            dataOutputStream = socket.openDataOutputStream();
        } catch (Exception e)
```

```

        {
            System.out.println("IOEXCEPTION : ....." + e.toString());
        }

    }

    public void startApp()
    {
        cvs = new TestCanvas();
        display.setCurrent(cvs);
    }

    public void pauseApp() { }
    public void destroyApp(boolean unconditional) { }

    // TestCanvas
    class TestCanvas extends Canvas implements Runnable
    {
        String text;
        Image img;
        boolean isConnected;

        TestCanvas()
        {
            Thread thread = new Thread(this);

            //      NetWork      Thread      .      Thread      .
            //      .      .      .      .      .      .      .      .
            public void run()
            {
                while(!isConnect)
                {
                    Thread.yield();
                }
            }

            public void keyPressed(int keyCode)
            {
                try
                {
                    switch(keyCode)
                    {
                        // 1
                        case Canvas.KEY_NUM1:

                            System.out.println("Canvas.KEY_NUM1");

                            dataOutputStream.writeInt(1);

                            text = dataInputStream.readUTF();
                            break;

                        // 2
                        case Canvas.KEY_NUM2:

```

```

System.out.println("Canvas.KEY_NUM2");

dataOutputStream.writeInt(2);

int fSize = dataInputStream.readInt();
byte[] buf = new byte[fSize];

if(fSize != dataInputStream.read(buf))
{
    System.out.println("

.");

    break;
}

dataOutputStream.writeUTF("

.");

dataOutputStream.flush();

img = Image.createImage(buf, 0,
buf.length);

break;

// 3
case Canvas.KEY_NUM3:

System.out.println("Canvas.KEY_NUM3");

dataOutputStream.writeInt(3);

int bSize = dataInputStream.readInt();
byte[] bbuf = new byte[bSize];

if(bSize != dataInputStream.read(bbuf))
{
    System.out.println("

.");

    break;
}

text = new String(bbuf);

String bText = " ... OK";
byte[] tbuf = bText.getBytes();

dataOutputStream.writeInt(tbuf.length);
dataOutputStream.write(tbuf, 0,
tbuf.length);

dataOutputStream.flush();
break;

// 4
case Canvas.KEY_NUM4:

System.out.println("Canvas.KEY_NUM4");

```

```

dataOutputStream.writeInt(4);
break;
    }
} catch (Exception e)
{
    try
    {
        dataOutputStream.close();
        dataInputStream.close();
        socket.close();
    } catch (Exception e1) {}

    System.out.println(e);
}

repaint(0, 0, this.getWidth(), this.getHeight() + 16);
serviceRepaints();
}

//
public void paint(Graphics g)
{
    g.setColor(0xffffffff);
    g.fillRect(0, 0, this.getWidth(), this.getHeight() + 16);

    if (text != null)
    {
        g.setColor(0x000000);
        g.drawString(text, 0, 0, g.TOP | g.LEFT);

        text = null;
    }

    if (img != null)
    {
        g.drawImage(img, 0, 0, g.LEFT | g.TOP);
        img = null;
    }
}
}
}

```

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String ..  
new String(byte[] byte) . ..

.. ..  
가 .

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