

shell access

This code will allow you to execute shell code as if it has been typed in a terminal application.

This should work on devices whether they have been rooted or not.

[shell.js](#)

```
var globs={};

//Called when application is started.
function OnStart()
{
    var lay = app.CreateLayout("Linear","Vertical,FillXY");
    var txtopts = "MultiLine,ReadOnly,NoKeyboard,NoSpell,Left,MonoSpace"
    var txt = app.CreateTextEdit("Please wait", -1, -1, txtopts);
    lay.AddChild(txt);
    app.AddLayout(lay);

    globs.sys = app.CreateSysProc( "sh" );
    globs.stdout = "/sdcard/stdout.txt"
    globs.redir = " >> " + globs.stdout + " 2>&1 \n ";

    sysEmpty();
    //check PATH variable
    sysEcho( "$PATH", true );
    sysOut("SJG=Steve ;export SJG");
    //list all environment variables
    sysOut( "set", true );
    sysOut( "set | grep STOR", true );
    //display filesystem
    sysOut("df", true);
    //Change directory
    sysOut("cd /sdcard");
    //show path
    sysOut("pwd", true);
    sysOut("ls -l");
    sysStamp();
    //test stderr
    sysOut("badCommand");
    sysOut("ls -l /data");
    sysOut("exit");
    txt.SetText(app.ReadFile(globs.stdout));
    app.Alert(app.GetEnv("EXTERNAL_STORAGE"));
}

function sysEmpty(stamp)
{
    app.DeleteFile(globs.stdout);
}
```

```
    if(stamp) sysStamp();
}

function sysOut (cmd, stamp)
{
    if(stamp) sysStamp();
    globs.sys.Out(cmd + globs.redir)
}

function sysEcho(msg, stamp)
{
    sysOut('echo "' + msg + '"', stamp );
}

function sysStamp()
{
    var d = new Date();
    sysEcho("*****");
    sysEcho(d.toISOString()+" *");
    sysEcho("*****");
}
```

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Last update: **2015/03/20 21:32**

