```
//  -*- mode:c; tab-width:4; c-basic-offset:4; c-indent-level:4; indent-tabs-mode:nil;  -*-
/*
 * Version: MPL 1.1
 *
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 *
 * The Original Code is FreeSWITCH[tm] Spidermonkey Fax Manipulation Library
 *
 * The Initial Developer of the Original Code is
 *
 * Bret McDanel <bret AT 0xdecafbad dot com>
 *
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 *
 *
 * faxlib.jm
 *
 * This is a library to do fax manipulation from within Javascript in FreeSWITCH[tm]
 * The goal of this library is to make it easier to send and receive faxes
 *
 *
 * REQUIREMENTS:
 *
 * - A working install of socket2me from the FreeSWITCH[tm] src
 * - tiff2pdf from libtiff tools, in your PATH [optional]
 */


function fax(session,socketaddr,faxFilePrefix,faxFile) {
    this.socketaddr=socketaddr;
    this.session=session;
    this.faxDetect=false;
    this.faxFilePrefix="/tmp";
    this.faxFile=session.uuid+".tiff";
    this.gotFax=false;

    if(typeof faxFilePrefix != 'undefined') {
        this.faxFilePrefix = faxFilePrefix;
    }

    if(typeof faxFile != 'undefined') {
        this.faxFile = faxFile;
    }



    // disable fax cng detection
    this.stopFaxDetect = function () {
        if(this.faxDetect == true) {
            this.session.execute("stop_fax_detect","");
            this.faxDetect=false;
```

```
    }
}


// enable fax cng detection
this.startFaxDetect = function () {
    if(this.faxDetect == false) {
        this.session.execute("fax_detect","");
        this.faxDetect=true;
    }
}


this.getFaxFile = function () {
    return this.faxFilePrefix + "/" + this.faxFile;
}


// receive a fax
this.rxFax = function() {
    if(typeof this.socketaddr != 'undefined') {
        this.stopFaxDetect();
        this.session.execute("set","fax_mode=recv"); // not needed at this time, future proof
        this.session.execute("set","fax_file_name=" + this.getFaxFile());
        this.session.execute("socket",this.socketAddr);
        fd = new File(this.getFaxFile());
        if(fd.exists) {
            this.gotFax=true;
        }
    } else {
        console_log("SocketAddr is not set, unable to receive a fax\n");
    }
}



// send a fax
this.txFax = function() {
    if(typeof this.socketaddr != 'undefined') {
        this.session.execute("set","fax_mode=send");
        this.session.execute("set","fax_file_name=" + this.getFaxFile());
        this.session.execute("socket",this.socketAddr);
    } else {
        console_log("SocketAddr is not set, unable to transmit a fax\n");
    }
}


this.fax2pdf = function() {
    fd = new File(this.getFaxFile());
    if(fd.exists) {
        outfile = this.faxFile.replace(/tiff$/i,"pdf");

        if(outfile == this.faxFile) {
            outfile = this.faxFile + ".pdf";
        }
        system("tiff2pdf -z -p letter -t 'FreeSWITCH FAX' -s 'Fax from " + this.session.calle
               "-c FreeSWITCH -a FreeSWITCH -f -o " + this.faxFilePrefix + "/" + outfile + "
               this.getFaxFile());
        var pdf = new File(this.faxFilePrefix + "/" + outfile);
        if(pdf.exists) {
            fd.remove(); // remove the tiff file
```

```
                this.faxFile = outfile;
                return true;
            }
        }
        return false;
    }



}
```

See Also

- Javascript