

Print Documents Event

To handle the **Print Documents event**, your application should print the documents specified in the Apple event. The **Print Documents event** contains a list of documents to print in its direct parameter. Your application extracts this information and then prints the specified documents. Your application should not open any windows for the documents. Also note that your application should remain open after processing the **Print Documents event**; when appropriate, the Finder sends your application a Quit Application event immediately after sending it a **Print Documents event**.

The following program shows a handler for the **Print Documents event**. This handler is similar to the handler for the Open Documents event. The code illustrates how to print the documents referred to in the direct parameter.

```
// A handler for the Print Documents event

// Assuming inclusion of <MacHeaders>

#include <AppleEvents.h>

pascal OSErr MyHandlePDOC (AppleEvent *theAppleEvent,
                           AppleEvent *reply,
                           long handlerRefcon);
OSErr MyGotRequiredParams (AppleEvent *theAppleEvent);
void DoError (OSErr myErr);
OSErr MyPrintFile (FSSpec *myFSS);

pascal OSErr MyHandlePDOC (AppleEvent *theAppleEvent,
                           AppleEvent *reply,
                           long handlerRefcon)
{
    FSSpec myFSS;
    AEDescList docList;
    OSErr myErr;
    long index, itemsInList;
    Size actualSize;
    AEKeyword keywd;
    DescType returnedType;

    // get the direct parameter--a descriptor list--and put
    // it into docList
    myErr = AEGGetParamDesc(theAppleEvent, keyDirectObject,
                           typeAEList, &docList);
    if (myErr)
        DoError(myErr);

    // check for missing required parameters
    myErr = MyGotRequiredParams(theAppleEvent);
    if (myErr) {
        // an error occurred: do the necessary error handling
        myErr = AEDisposeDesc(&docList);
        return myErr;
    }
}
```

```
// count the number of descriptor records in the list
myErr = AECountItems (&docList,&itemsInList);

// now get each descriptor record from the list, coerce
// the returned data to an FSSpec record, and print the
// associated file
for (index=1; index<=itemsInList; index++) {
    myErr = AEGetNthPtr(&docList, index, typeFSS, &keywd,
                        &returnedType, (Ptr)&myFSS,
                        sizeof(myFSS), &actualSize);

    if (myErr)
        DoError(myErr);
    myErr = MyPrintFile(&myFSS);
    if (myErr)
        DoError(myErr);
}

myErr = AEDisposeDesc(&docList);

return noErr;
}
```

A listing of **MyGotRequiredParams** may be found under
Writing Apple Event Handlers.