

POIFS API

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1. POIFS API

#####POIFS

API#####POIFS#####

1.1.

- 02.10.2002 - [sourceforge](#)#####

1.2.

#####POIFS

API#####POIFS#####Java#####

API#####

1.3.

#####

##	##
Directory	#####
DirectoryEntry	#####
Document	#####
DocumentEntry	#####
Entry	#####
File	#####
File System	POIFS#####
Root Directory	#####POIFS API

	#####
--	-------

2. #####

#####

#####	##	##
#####	##### #####	#####API#####
#####	##### ##### ##### #####	-- #####API## ##### #####

2.1. #####

#####

2.1.1. ###

#####org.apache.poi.poi

```
// need an open InputStream; for a file-based system, this would be appropriate:
// InputStream stream = new FileInputStream(fileName);
POIFSFileSystem fs;
try
{
    fs = new POIFSFileSystem(inputStream);
}
catch (IOException e)
{
    // an I/O error occurred, or the InputStream did not provide a compatible
    // POIFS data structure
}
DirectoryEntry root = fs.getRoot();
```

#####

#####

2.1.2. #####

#####org.a

```
// dir is an instance of DirectoryEntry ...
```

POIFS API

```
for (Iterator iter = dir.getEntries(); iter.hasNext(); )
{
    Entry entry = (Entry)iter.next();
    System.out.println("found entry: " + entry.getName());
    if (entry instanceof DirectoryEntry)
    {
        // .. recurse into this directory
    }
    else if (entry instanceof DocumentEntry)
    {
        // entry is a document, which you can read
    }
    else
    {
        // currently, either an Entry is a DirectoryEntry or a DocumentEntry,
        // but in the future, there may be other entry subinterfaces. The
        // internal data structure certainly allows for a lot more entry types.
    }
}
```

2.1.3.

#####org.a

2.1.3.1. DocumentInputStream

DocumentInputStream#####InputStream#####

- available()#####
- markSupported()#####true#####
- mark(int limit)#####limit#####
- reset()#####mark()#####mark()#####
- skip(long n)#####n#####

#####available#####read()#####

```
byte[] content = new byte[ stream.available() ];
stream.read(content);
stream.close();
```

mark, reset, skip#####

2.1.3.2.

#####DocumentInputStream#####

```
// load file system
```

```

try
{
    DocumentInputStream stream = filesystem.createDocumentInputStream(documentName);
    // process data from stream
}
catch (IOException e)
{
    // no such document, or the Entry represented by documentName is not a
    // DocumentEntry
}

```

2.1.3.3. #####

#####org.apache.poi.poifs.filesystem.

```

DocumentEntry document = (DocumentEntry)directory.getEntry(documentName);
DocumentInputStream stream = new DocumentInputStream(document);

```

2.2. #####

#####API#####API#

2.2.1. ###

org.apache.poi.poifs.eventfilesystem.POIFSReader#####POIFSReader:

```

POIFSReader reader = new POIFSReader();
// register for everything
reader.registerListener(myOmnivorousListener);
// register for selective files
reader.registerListener(myPickyListener, "foo");
reader.registerListener(myPickyListener, "bar");
// register for selective files
reader.registerListener(myOtherPickyListener, new POIFSDocumentPath(),
    "fubar");
reader.registerListener(myOtherPickyListener, new POIFSDocumentPath(
    new String[] { "usr", "bin" }, "fubar");

```

2.2.2. POIFSReaderListener

org.apache.poi.poifs.eventfilesystem.POIFSReaderListener#####

POIFSReaderListener#####

#####POIFSReaderListener#####

#####POIFSReaderListener#####

POIFSReader#####POIFSReaderListener#####

POIFS API

#####reader

#####POIFSReaderListener#####

#####	#####
registerListener(POIFSReaderListener listener)	#####listener#####
registerListener(POIFSReaderListener listener, String name)	#####name#####listener#####
registerListener(POIFSReaderListener listener, POIFSDocumentPath path, String name)	path#####name#####listener#####

2.2.3. POIFSDocumentPath

org.apache.poi.poifs.filesystem.POIFSDocumentPath#####POIFS#####

#####	#####
new POIFSDocumentPath()	#####
new POIFSDocumentPath(null)	#####
new POIFSDocumentPath(new String[0])	#####
new POIFSDocumentPath(new String[] { "foo", "bar" })	Unix#####"/foo/bar"#####
new POIFSDocumentPath(new POIFSDocumentPath(new String[] { "foo" }), new String[] { "fu", "bar" })	Unix#####"/foo/fu/bar"#####

2.2.4. POIFSReaderEvent#####

org.apache.poi.poifs.eventfilesystem.POIFSReaderEvent#####P
stream)#####

POIFSReader#####InputStream##########
POIFSReaderEvent#####POIFSReaderListener#####processPOIFSReaderEvent#####
POIFSReaderEvent#####POIFSDocumen

3.

#####

```
POIFSFileSystem fs = new POIFSFileSystem();
```

3.1.

#####

1. #####31#####POIFS

API#####

2. #####

31#####

3.2.

DirectoryEntry#####createDocument#####

#####	##	##
CreateDocument(String name, InputStream stream)	#####API##	#####
CreateDocument(String name, int size, POIFSWriterListener writer)	#####	#####API##### ##### #####

#####

POIFSFileSystem#####writeFileSystem()#####OutputStream#####

#####POIFSReader#POIFSReader

3.3.

#####

```
DirectoryEntry createdDir = existingDir.createDirectory(name);
```

3.4. #####POIFSFileSystem#####

#####POIFSFileSystem#####

DirectoryEntry#####	POIFSFileSystem#####
createDocument(String name, InputStream stream)	createDocument(InputStream stream, String name)
createDocument(String name, int size, POIFSWriterListener writer)	createDocument(String name, int size, POIFSWriterListener writer)

POIFS API

createDirectory(String name)	createDirectory(String name)
------------------------------	------------------------------

4.

#####POIFS#####

4.1.

#####Entry#####delete()#####

4.2.

#####Entry#####delete()#####

- #####DirectoryEntry#isEmpty()#####false#####
- #####

4.3.

#####

#####Office#####POIFS
API#####Entry#####renameTo#####

#####delete#####renameTo#true#####false#####

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#####31#####31#####31#####
- #####