

Project :	General
Version :	0.02
	prospector for NOR FS
Reported :	
Verified :	
Approved:	

Rev. 0.02 1/25/2010 Page 1 of 7



# **Revision History**

Rev	Date	Author	Description
0.01	October 21, 2008	Owen Lee	Initial version for v1.0.0.0
0.02	January 25, 2010	Joe Su	(1) Make compatible with DWLWin V3.5.6.5
			(2) Allow passing sector number of RAI Object through command-line.

Rev. 0.02 1/25/2010 Page 2 of 7



# **Table of Contents**

Re	vision Hi	story	. 2
Tal	ole of Co	ntents	. 3
1	Docun	nent Scope	4
	1.1	Purpose	
	1.2	Abbreviations and Terms	4
	1.3	References	. 4
2 Overv		iew	. 5
	2.1	Flow chart	
	2.2	Manual	. 5
		2.1 Extract binary from target	. 6
		2.2 Run FileProspector.exe	. 7



# 1 Document Scope

# 1.1 Purpose

File prospector is the debugging tool for extracting the storage information on NOR flash. It outputs all the RAI objects with both active and deleted status. And the NOR file system will also be dumped into PC environment, include file/directory tree and file content.

## 1.2 Abbreviations and Terms

FMS Flash Memory Services
RAI Random Access Interface

#### 1.3 References

Rev. 0.02 1/25/2010 Page 4 of 7

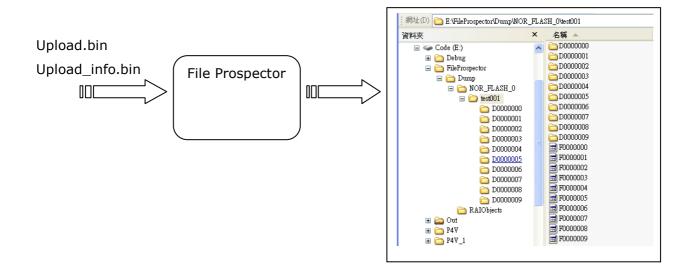


### 2 Overview

This chapter gives the instruction of File prospector usage.

#### 2.1 Flow chart

FileProspector.exe is a console application in WIN32 environment. The input is the load on target, read from DWLWin (After version 3.5.6.5). The output will in the relative directory with "Dump" folder name.



#### 2.2 Manual

The steps for using File Prospector are in the following:

- 1. Extract binary from target
- 2. Run FileProspector.exe to dump File tree and RAI information to PC

Rev. 0.02 1/25/2010 Page 5 of 7



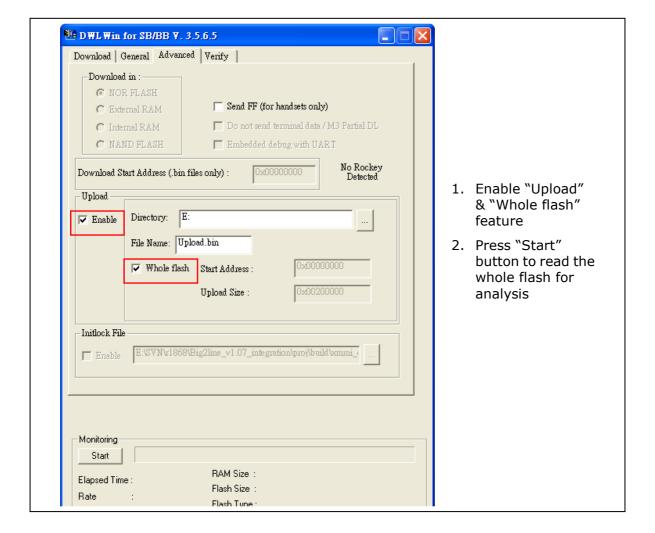
### 2.2.1 Extract binary from target

The output in this step is

1. Upload.bin: The raw data of the target load.

2. Upload\_info.bin: The geometric information for Upload.bin.

Notice: the version of DWLWin should be newer than 3.5.6.5.



Rev. 0.02 1/25/2010 Page 6 of 7



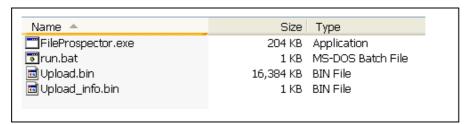
#### 2.2.2 Run FileProspector.exe

After step 1, we can get Upload.bin and Upload\_info.bin. They are the input for FileProspector.exe. Here is the content for the batch file, run.bat for launch FileProspector.exe quickly.

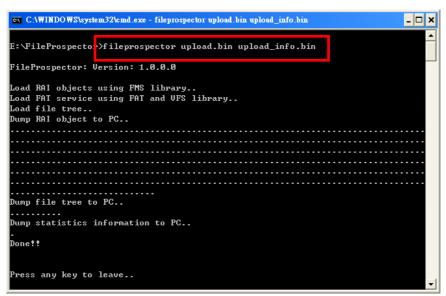
```
FileProspector.exe Upload.bin Upload_info.bin [N<sub>sector</sub>]
```

*N<sub>sector</sub>*: Optional. If not specified, its default value is 7.

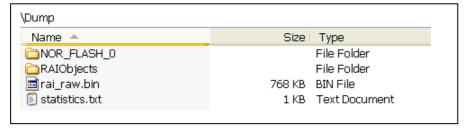
We can put these two files in the same folder with FileProspector.exe



Run the following command in command line window, you can see the intermediate process, like this:



Then the file tree and RAI objects will be dumped



Rev. 0.02 1/25/2010 Page 7 of 7