

	 <b>MoDisco USE CASE EXAMPLE</b> <b>“UNIX FILE SYSTEM”</b>	Mikaël Barbero Mikael.Barbero@ {univ-nantes.fr, gmail.com}
	<b>“UnixFSDiscoverer” Install &amp; Use</b>	Date : 2006/12/20

## 1. “UnixFSDiscoverer”: Install & Use

UnixFSDiscoverer is a generic discoverer, part of the MoDisco component’s use cases [1] [2], that has been designed and developed in order to build models from Unix file systems [4]. These models, representing Unix file trees, conform to the simple UnixFS metamodel [3].

Within this document, we will briefly present how to install and use the UnixFSDiscoverer in order to build (i.e. discover) this kind of models.

### 1.1. Get & Install the discoverer

The discoverer is directly downloadable from [5]. It is the Bash script, named *FS2Ecore.sh*, contained in the Zip file (the Zip also contains the *UnixFS* metamodel and an example of produced model). You just have to copy it into your computer wherever you want.

### 1.2. Launch the discovery

Performing the discovery is really simple; you only have to enter the following command in a Unix console to launch the provided Bash script (i.e. the discoverer):

- **`./FS2Ecore.sh /your/absolute/path/ > myOutputModel.ecore`**

The generated *myOutputModel.ecore* model file represents the file tree from the specified path and conforms to the *UnixFS.ecore* metamodel.

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## References

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- [1] The Eclipse/GMT **MoDisco** component: <http://www.eclipse.org/gmt/modisco/>
- [2] MoDisco use cases: <http://www.eclipse.org/gmt/modisco/useCases.php>
- [3] The **UnixFS** metamodel: <http://www.eclipse.org/gmt/am3/zoos/atlantEcoreZoo/#UnixFS>
- [4] Unix File System (Wikipedia): [http://en.wikipedia.org/wiki/Unix\\_File\\_System](http://en.wikipedia.org/wiki/Unix_File_System)
- [5] Download the **UnixFSDiscoverer**:  
<http://www.eclipse.org/gmt/modisco/useCases/UnixFileSystem/#download>