**Specification**

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|  |  |
| --- | --- |
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1. **Overview**

This document describes the requirements for the implementation of Eco.FileSystemManagement1 component. (Component)

* 1. **Introduction**

Description.

* 1. **Note**
* Keywords
  1. **Links**

This paragraph contains links to information to help you understand this document:

[] – name of the link

Available by: http://address

1. **Eco.FileSystemManagement1 Component**

The Eco.FileSystemManagement1 component is

The component has the following description:

1. **IEcoFileSystemManagement1 Interface**
   1. **IEcoFileSystemManagement1 IDL**

|  |
| --- |
| **ECO IDL** |
| import "IEcoBase1.idl"  import "IEcoFileManager1.idl"  import "IEcoDirectoryManager1.idl"  import "IEcoDriveManager1.idl" | | | |
| [  object,  uguid(00000000-0000-0000-0000-C00000000101),  ] | | | |
| interface IEcoFileSystemManagement1 : IEcoUnknown { | | | |
|  | | | |
| IEcoFileManager1\* | | ***get\_FileManager*** | ([in] void); |
|  | |  |  |
| IEcoDirectoryManager1\* | | ***get\_DirectoryManager*** | ([in] void); |
|  | |  |  |
| IEcoDriveManager1\* | | ***get\_DriveManager*** | ([in] void); |
|  | |  |  |
| } | |  |  |

* + 1. **get\_FileManager function**

The function

* + 1. **get\_DirectoryManager function**

The function

* + 1. **get\_DriveManager function**

The function

1. **IEcoFileInfo1 Interface**
   1. **IEcoFileInfo1 IDL**

|  |
| --- |
| **ECO IDL** |
| import "IEcoBase1.idl" | | | |
| [  object,  uguid(00000000-0000-0000-0000-C00000000103),  ] | | | |
| interface IEcoFileInfo1 : IEcoUnknown { | | | |
|  | | | |
| UGUID\* | | ***get\_Id*** | ([in] void); |
|  | | | |
| } | |  |  |

* + 1. **get\_Id function**

The function

1. **IEcoFileManager1 Interface**
   1. **IEcoFileManager1 IDL**

|  |
| --- |
| **ECO IDL** |
| import "IEcoBase1.idl"  import "IEcoFile1.idl" | | | |
| [  object,  uguid(00000000-0000-0000-0000-C00000000102),  ] | | | |
| interface IEcoFileManager1 : IEcoUnknown { | | | |
|  | | | |
| IEcoFile1\* | | ***Create*** | ([in] chart\* pszName); |
|  | |  |  |
| IEcoFile1\* | | ***Open*** | ([in] chart\* pszName); |
|  | |  |  |
| int32\_t | | ***Close*** | ([in] IEcoFile1\* pIFile); |
|  | |  |  |
| } | |  |  |

* + 1. **Create function**

The function

* + 1. **Open function**

The function

* + 1. **Close function**

The function

1. **IEcoDirectoryInfo1 Interface**
   1. **IEcoDirectoryInfo1 IDL**

|  |
| --- |
| **ECO IDL** |
| import "IEcoBase1.idl" | | | |
| [  object,  uguid(00000000-0000-0000-0000-C00000000108),  ] | | | |
| interface IEcoDirectoryInfo1 : IEcoUnknown { | | | |
|  | | | |
| UGUID\* | | ***get\_Id*** | ([in] void); |
|  | |  |  |
| } | |  |  |

* + 1. **get\_Id function**

The function

1. **IEcoDirectoryManager1 Interface**
   1. **IEcoDirectoryManager1 IDL**

|  |
| --- |
| **ECO IDL** |
| import "IEcoBase1.idl"  import "IEcoDirectoryInfo1.idl" | | | |
| [  object,  uguid(00000000-0000-0000-0000-C00000000107),  ] | | | |
| interface IEcoDirectoryManager1 : IEcoUnknown { | | | |
|  | | | |
| IEcoDirectoryInfo1\* | | ***Create*** | ([in] chart\_t\* pszName); |
|  | |  |  |
| int32\_t | | ***Delete*** | ([in] chart\_t\* pszName); |
|  | |  |  |
| } | |  |  |

* + 1. **Create function**

The function

* + 1. **Delete function**

The function

1. **IEcoDriveInfo1 Interface**
   1. **IEcoDriveInfo1 IDL**

|  |
| --- |
| **ECO IDL** |
| import "IEcoBase1.idl" | | | |
| [  object,  uguid(00000000-0000-0000-0000-C00000000106),  ] | | | |
| interface IEcoDriveInfo1 : IEcoUnknown { | | | |
|  | | | |
| UGUID\* | | ***get\_Id*** | ([in] void); |
|  | |  |  |
| } | |  |  |

* + 1. **get\_Id function**

The function

1. **IEcoDriveManager1 Interface**
   1. **IEcoDriveManager1 IDL**

|  |
| --- |
| **ECO IDL** |
| import "IEcoBase1.idl"  import "IEcoDriveInfo1.idl" | | | |
| [  object,  uguid(00000000-0000-0000-0000-C00000000105),  ] | | | |
| interface IEcoDriveManager1 : IEcoUnknown { | | | |
|  | | | |
| IEcoDriveInfo1\* | | ***get\_Drive*** | ([in] char\_t\* pszName); |
|  | |  |  |
| } | |  |  |

* + 1. **get\_Drive function**

The function

1. **IEcoFile1 Interface**
   1. **IEcoFile1 IDL**

|  |
| --- |
| **ECO IDL** |
| import "IEcoBase1.idl"  import "IEcoFileInfo1.idl" | | | |
| [  object,  uguid(00000000-0000-0000-0000-C00000000104),  ] | | | |
| interface IEcoFile1 : IEcoUnknown { | | | |
|  | | | |
| uint32\_t | | ***get\_Size*** | ([in] void); |
|  | |  |  |
| char\_t\* | | ***get\_Name*** | ([in] void); |
|  | |  |  |
| IEcoFileInfo1\* | | ***get\_Info*** | ([in] void); |
|  | |  |  |
| uint32\_t | | ***get\_Pointer*** | ([in] void); |
|  | |  |  |
| void | | ***set\_Pointer*** | ([in] uint32\_t value); |
|  | |  |  |
| int16\_t | | ***Read*** | ([in] voidptr\_t pv,  [in | out] uint32\_t\* pSize); |
|  | |  |  |
| int16\_t | | ***Write*** | ([in] voidptr\_t pv,  [in | out] uint32\_t\* pSize); |
|  | |  |  |
| int16\_t | | ***Close*** | ([in] void); |
|  | |  |  |
| descriptor\_t | | ***get\_Descriptor*** | ([in] void); |
|  | |  |  |
| } | |  |  |

* + 1. **get\_Size function**

The function

* + 1. **get\_Name function**

The function

* + 1. **get\_Info function**

The function

* + 1. **get\_Pointer function**

The function

* + 1. **set\_Pointer function**

The function

* + 1. **Read function**

The function

* + 1. **Write function**

The function

* + 1. **Close function**

The function

* + 1. **get\_Descriptor function**

The function

1. **Error codes**

The following table contains the error codes.

|  |  |  |
| --- | --- | --- |
| **Error code** | **Value** | **Description** |
| ERR\_ECO\_SUCCESES | 0x0000 | Operation successful. |
| ERR\_ECO\_UNEXPECTED | 0xFFFF | Unexpected condition. |
| ERR\_ECO\_POINTER | 0xFFEE | NULL was passed incorrectly for a pointer value. |
| ERR\_ECO\_NOINTERFACE | 0xFFED | No such interface supported. |
| ERR\_ECO\_COMPONENT\_NOTFOUND | 0xFFE9 | The component was not found. |
|  |  |  |
|  |  |  |

# **Appendix A: Training programs**