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**NAME**

FileUtil

**SYNOPSIS**

```
use FileUtil;

use FileUtil qw(:all);
```

**DESCRIPTION**

FileUtil module provides the following functions:

CheckFileType, ConvertCygwinPath, ExpandFileNames, FileModificationTimeAndDate, FileSize, FormatFileSize, FormattedFileModificationTimeAndDate, GetMayaChemToolsLibDirName, GetUsageFromPod, ParseFileName

**FUNCTIONS****CheckFileType**

```
$Status = CheckFileType($FileName, $FileExts);
```

Based on *FileExts*, decides type of *FileName* and return 1 or 0.

**ConvertCygwinPath**

```
$NewPath = ConvertCygwinPath($Path);
```

Check to see whether *Path* contains any Cygwin drive specification and convert it into Windows path.

**ExpandFileNames**

```
@FilesList = ExpandFileNames(\@Files, $FileExts);
@FilesList = ExpandFileNames(\@Files, $FileExts, $IncludeDirName);
```

For each directory name or wild card file name in *Files*, generate all file names which correspond to the specification along with match to any extensions in *FileExts* and return an array FileList containing these file names and other names. *IncludeDirName* controls whether directory prefixes are included in expanded file names. Default is to always append directory name before expanded file name.

**Notes:**

- . Multiple file extensions are delimited by spaces.
- . Wild card, \*, is supported in directory and file names along with file extensions.
- . For a specified directory name in the files list, all the files in the directory are retrieved using Perl opendir function and files filtered using file extensions. The file names "." and ".." returned by opendir are ignored.
- . For file names containing wild cards with and without any explicit file extension specification in the file name, all the files in the directory are retrieved using Perl opendir function and files filtered using file name along with any file extension. The file names "." and ".." returned by opendir are ignored.

**FormattedFileModificationTimeAndDate**

```
($TimeString, $DateString) =
    FormattedFileModificationTimeAndDate($FileName);
```

Returns a formatted time and date string corresponding to *FileName* modification time.

**FileModificationTimeAndDate**

```
($Hours, $Mins, $Secs, $DayName, $MonthName, $Month, $Year) =
    FileModificationTimeAndDate($FileName);
```

Returns file modification time and date values for specified *FileName*.

**FormatFileSize**

```
$FormattedSize= FormatFileSize($Size, [$Precision]);
```

Formats the file size in bytes to human readable value and returns a formatted file size string.

**FileSize**

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```
$Size= FileSize($FileName);
```

Returns size of *FileName* in bytes

GetMayaChemToolsLibDirName

```
$MayaChemToolsLibDir = GetMayaChemToolsLibDirName();
```

Returns MayaChemTools lib directory name by parsing INC values to extract MAYACHEMTOOLS/lib directory location: first entry in INC path should contain MayaChemTools lib location.

GetUsageFromPod

```
$ScriptUsage = GetUsageFromPod($AbsolutePath);
```

Generates a ScriptUsage string from pod documentation in the script file using pod2text or perdoc.bat Perl utilities.

ParseFileName

```
($FileDir, $FileName, $FileExt) = ParseFileName($FullFileName);
```

Splits *FullFileName* into directory name, file name, and extension. FileDir is set to current directory for absent directory name in *FullFileName*. And *FileExt* is set to NULL string for *FullFileName* without any extension.

This function doesn't perform checking regarding the presence of the directory *FileDir* and *FullFileName* and the *FullFileName* without any extension is assumed to be a file instead of a directory.

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## SEE ALSO

TextUtil.pm, TimeUtil.pm

## COPYRIGHT

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