Ant Pattern Usage

Continua uses an Ant-like wildcard syntax in various Actions and workspace rules to find files.

The three wild cards are:

Character	Behavior
**	Matches any files in any directories
*	Matches files in in a directory
?	Matches a single character in a file/directory name

Examples

Example file system:

```
Output\
        Binaries\
                App.exe
                Installer.exe
                Helpers\
                        setup.bat
                        cleanup.exe
        Images\
                logo.png
                Website\
                        connect.jpeg
                App\
                        error.png
                        license.jpeg
        Source\
                App.cs
                MoreCode.cs
        ServerApp.exe
```

Wildcard Example: **

To find all files ending in **`.exe`** you could use the pattern: **`Output\**.exe`**

It would return the following files:

```
Output\ServerApp.exe
Output\Binaries\App.exe
Output\Binaries\Installer.exe
Output\Binaries\Helpers\cleanup.exe
```

Wildcard Example: *

To find all **`.exe`** files in the **`Binaries`** directory and not in sub-directories you would use the pattern: **`Output\Binaries\*.exe`**

It would return the following files:

```
Output\Binaries\App.exe
Output\Binaries\Installer.exe
```

Wildcard Example: ?

To find all files in the **`Images`** directory that have a have file extension of 3 characters you would use the pattern: **`Output\Images\**.???`**

It would return the following files:

```
Output\Images\logo.png
Output\Images\App\error.png
```

Mixed Wildcard Example

To find all **`.exe`** files in any sub-directory of the **`Output`** directory you would use the pattern: **`Output\*\**.exe`**

It would return the following files:

```
Output\Binaries\App.exe
Output\Binaries\Installer.exe
Output\Binaries\Helpers\cleanup.exe
```



For more information on Ant patterns, see the official documentation at http://ant.apache.org/manual/dirtasks.html#patterns