

# File access settings

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## 1. Defining users file access.

The [fileSystem](#) is used to enclose all the [rights](#) that a user has on directories.

The id setting let you name the access settings

You can assign users to the access setting using [userBind](#) tags to bind the user names. The value can be a regular expression if you want to bind multiple users ( matching the regexp ) to the same file access config.

The [access](#) rights setting allow you to define the operations that can be done on the [specified directory](#) or file.

All the path defined are relative to the server [root setting](#).

The rights list is delimited by commas and must match the following codes for a file :

- rf : Read the file.
- df : Delete the file.
- rn : Rename files.
- nra : Disable ratio on file if the user has ratio set on.
- of : Overwrite a file.
- hf : Access hidden file.

When a directory is specified in a [path](#) setting, the following additional rights settings are available :

- cf : Create a file.
- dd : Delete directory.
- cd : Create directory.
- rd : Rename directory.
- cwd : List directory content.

Finally the [fileType](#) setting let you define what are the files extensions that are allowed to be created in the defined path. Here is a small configuration example :

```
<server xmlns="http://www.sbbi.net/jafs/1.0/jafs-server"  
...
```

```

code="sample_server" ... >
...
<fileSystem cacheDirs="false">
  <rights id="myRights1">
    <userBind>user1</userBind>
    <userBind>user3</userBind>
    <access rights="">
      <path>/ssl</path>
    </access>
    <access rights="cwd">
      <path>/</path>
      <fileType>com,bat,exe</fileType>
    </access>
    <access rights="rf">
      <path>/logs_config.xml</path>
    </access>
  </rights>
  <rights id="myRights2">
    <userBind>user2</userBind>
    <access rights="cwd">
      <path>/</path>
    </access>
    <access rights="rf">
      <path>/logs_config.xml</path>
    </access>
    <access rights="">
      <path>/ssl/serverKeyStore.jks</path>
    </access>
    <access rights="">
      <path>/ssl</path>
    </access>
  </rights>
</fileSystem>
...
</server>

```

**Note:**

A user can currently only be set in one [rights](#) settings to avoid settings collisions ( user assigned to the same directory access settings twice ). The following example shows what can't be done with "user3" :

```

<server xmlns="http://www.sbbi.net/jafs/1.0/jafs-server"
...
code="sample_server" ... >
...
<fileSystem cacheDirs="false">
  <rights id="myRights1">
    <userBind>user1</userBind>
    <userBind>user3</userBind>
    ...
  </rights>
  <rights id="myRights2">

```

## *File access settings*

```
    <userBind>user3</userBind>
    ...
  </rights>
</fileSystem>
...
</server>
```