# D2000 Local Listener (D2LL)

Server part of D2EM consists of **d2em_ll.exe process**, **the configuration files** and **the file pair of the individual modules**. The files and module configuration are placed in a *bin* subdirectory in the installation directory. The configuration files *d2emcfg.xml* and *d2emusers.cfg* are created automatically at the first start of *d2em_autocfg.exe (d2em_ll.exe)* in the application directory, if they do not exist yet.

D2ll instance creating

D2LL should be started as a trace service. The easiest way is to use the file *d2em_autocfg.exe*, which will create a service pair and the configuration files with the default values. It is started from a command line by the parameter - *service_name*:
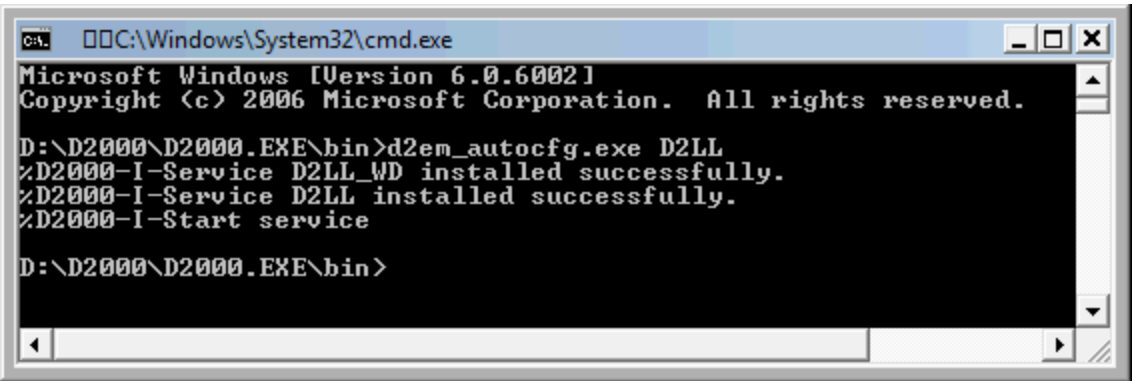
D2LL configuration

Restart D2LL always after the configuration or the client part of some of the modules has been changed. If the configuration files do not exist, they will be created at the first start of *d2em_ll.exe* or *d2em_autocfg.exe*. The file format will also change when the version is changed, if it is necessary.

Configuration of log in

The configuration parameters of D2LL are placed in the file *d2emcfg.xml* in the application directory. The configuration of login is in an element *login*.

File structure:

```
<config version="1">
        <login preftype="1" d2group="d2000_em" sec_princ="tmatej@ipesoft" domain="ipesoft" />
</config>
```

preftype	Defines login script into D2LL. The values from 1 up to 4 represents the login scripts 1 to 4 in the same order. Default value is 4.
d2group	Domain group name with regard of which the membership in the login script 2 is verified.
sec_princ	String "SecurityPrincipal" used at the log in according to Kerberos style. If D2LL runs under the domain user, the value is *user_name@domain_name*. If it runs under the Local System Account or the local user, the value is *computer_name$*.
domain	Domain name to which the user log in.

User configuration (log in of D2EM)

The list of users is loaded from the file *d2emusers.xml* (in application directory) after D2LL starts up. It contains both the user names and passwords that are hashed by SHA-256 in hexadecimal code (64 characters).

File structure:

```
<users version="1">
    <user>
        <name>user_name</name>
        <pass>pass_SHA256_inHexa_64chars</pass>
    </user>
    ...
</users>
```

For the test purpose the new file uses the user code **SystemD2000** and password **SystemD2000**. We recommend you to change the password, if you use this type of login. The password may be hashed by hash calculator.

> ⓘ **Related pages:**
>
> D2000 Enterprise Manager (D2EM)
> D2Loader - client part