

# ModCBroker: application migration guide from versions 1.x and 2.x to version 3.0

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## 1 CORBA API changes

Common CORBA API logic remained the same as in the version 2.0. Just parameters and some methods names were changed and some new methods were added as well.

The changes are the next:

- `HTTPServ.idl` file renamed to `HTTP.idl`.
- `createHandler` renamed to `create_handler`. Motivation of those changes is compatibility with idl style OMG recommendations ab/98-06-03
- `set_cookie` takes as cookie's life time number of seconds instead of three values (days, hours, minutes). i. e. in your programs you should change calls of type:

```
\verb|httpStream->set_cookie(name,value,x,y,z);
```

to calls:

```
\verb|httpStream->set_cookie(name,value,((x*24)+y)*60+z)*60);
```

- the IDL file `HTTPServ.idl` renamed to `HTTP.idl`.

Extensions:

- To the `RequestInfo` structure HTTP request method is added.

- Create handler and request handle methods now can rouse `RedirectException` exception.
- Setting mechanism of any output request head element is added.
- Packet record mechanism of request head is added.

consequently:

- You should recompile all the modules dependent on `HTTP.idl` in any case.
- Change `createHandler` to `create_handler`
- Change `set_cookie` calls
- If necessary, study the possibility of new `ModCbroker` properties use `ModCbroker` for functionality increase or for enhancement of your software productiveness.

## 2 Changes in settings parameters

- Before you specified ORB directives by `ORB_Args` parameter , now by `CbrokerORBArgs`.
- In Apache-2.0 the way of attaching module handler to request had been changed. So we added `CbrokerLocation` directive to the configuration - we handle this request if URI directory starts from this parameter .
- Module file name had been changed from `libcbroker.so` to `mod_cbroker.so`
- In Unix the file is installed to : `<prefix>/libexec/apache2`

consequently:

- load module sentence:

```
LoadModule cbroker_module <path>/libcbroker.so
```

should be changed to

```
LoadModule cbroker_module <path>/mod_cbroker.so
```

- part of Apache-1.x configuration of the following kind:

```
<Location cbroker>
SetHandler cbroker-handler
ORB_args -ORBInitRef NameService=cobaloc::my.host.com:2809/NameService
</Location>
```

goes to the next form.

```
<IfModule mod_cbroker>
CbrokerLocation cbroker
CbrokerORBAArgs -ORBInitRef NameService=corbaloc::my.host.com:2809/NameService
</IfModule>
```

And configuration with authorization:

```
<Location cbroker>
SetHandler cbroker-handler
ORB_args -ORBInitRef NameService=cobaloc::my.host.com:2809/NameService
AuthType Basic
AuthName myService
require valid-user
</Location>
```

goes to

```
<IfModule mod_cbroker>
CbrokerLocation ProtectedCbroker
CbrokerORBAArgs -ORBInitRef NameService=corbaloc::my.host.com:2809/NameService
</IfModule>
<Location ProtectedCbroker>
AuthType Basic
AuthName myService
require valid-user
</Location>
```

### 3 Changes list

- 18.06.2002 - created.