

Web Service Access Control Exception

If you are creating or using a web service in Moodle and see the following message:

```
{
  "exception": "webservice_access_exception",
  "errorcode": "accessexception",
  "message": "Access control exception"
}
```

It can be a bit hard to troubleshoot. Generally there is a 4th item with debugging info, but this will only appear if you have the correct Moodle debugging level set:

Site administration > Development > Debugging

At minimum you'll need to set [debug level](#) to `NORMAL`: Show errors, warnings and notices. That is, it won't appear if you have it set to `NONE` or `MINIMAL`.

Once you do that you should get that 4th parameter:

```
{
  "exception": "webservice_access_exception",
  "errorcode": "accessexception",
  "message": "Access control exception",    "debuginfo": "You are not allowed to use the {$a}
protocol (missing capability: webservice/rest:use)"
}
```

In this example, the user that is associated with the web service token didn't have the capability `webservice/rest:use` in their system role. Adding the capability to the role fixed the issue.

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