

How do I undo or enable SSL-only access to API-M?

Question

I inadvertently chose SSL for API-M access when I installed Fedora, and now I want plain HTTP access to API-M functions without reinstalling Fedora. How can I reconfigure Fedora to allow non-SSL access to API-M?

Answer

As of fedora 3.5, security settings are configured by Spring within `FEDORA_HOME`. Prior to this release, ssl could be enabled and disabled only by editing the `web.xml` file within the deployed fedora war. Now, such settings are easily achieved by editing a `.properties` file in `FEDORA_HOME/server/config/spring/web`. More complex tasks, such as requiring ssl for individual resources regardless of the general api-a or api-m settings, are possible by editing spring bean xml files.

Instructions:

1. Edit the `FEDORA_HOME/server/config/spring/web/web.properties` file. There are three relevant properties that will affect ssl behaviour, which will look like this example:

```
security.ssl.api.access=ANY_CHANNEL
security.ssl.api.management=REQUIRES_SECURE_CHANNEL
security.ssl.api.default=ANY_CHANNEL
```

where `security.ssl.api.access` controls ssl for api-a, `security.ssl.api.management` controls ssl for api-m, and `security.ssl.api.default` controls ssl for other resources (unused at present). Acceptable values are `ANY_CHANNEL` to allow non-ssl connections, and `REQUIRES_SECURE_CHANNEL` for forced ssl.

2. (Optional) `FEDORA_HOME/server/config/spring/web/security.xml` if it is necessary to enable or disable ssl for individual resources one by one. Typically, this would only be necessary if exceptions to the general api-a or api-m rules are needed. SSL configuration within this file uses the spring security namespace, and property substitution (e.g. look for placeholders such as `${security.ssl.api.management}`). For more information, see the [spring 3.0.x channel security](#) documentation.
3. Restart the Fedora web application.