

Control System Studio Training - Web OPI

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Idea

- **Execute most CSS BOY *.opi files in a web browser**
 - ✓ **Zero install on the client side**
 - ✓ **Works with PCs, Laptops, Tables, Phones and most web browsers**
 - ✓ **Even ‘write’ widgets work**
 - A few widget differences
 - Lower update performance
 - Maybe guard write access: CA Gateway, [https://proxy with login, ...](https://proxy.withlogin.com)
 - No editing of displays, only runtime

Tomcat Setup

- Download WebOPI.war into webapps /
- Place *.opi files in a new opi/ directory
- Add to conf/catalina.properties:
`org.csstudio.rap.preference=/path/to/my/css_rap.ini`

Example css_rap.ini

#EPICS configuration

```
org.csstudio.platform.libs.epics/auto_addr_list=false
org.csstudio.platform.libs.epics/use_pure_java=true
org.csstudio.platform.libs.epics/addr_list=127.0.0.1 192.168.1.2
org.csstudio.platform.libs.epics/max_array_bytes=160000
```

#WebOPI configuration

```
org.csstudio.opibuilder/opi_repository=/path/to/apache-tomcat-7.0.11/opi
org.csstudio.opibuilder/startup_opi=main.opi
org.csstudio.opibuilder/mobile_startup_opi=mobile.opi
org.csstudio.opibuilder/color_file=color.def
org.csstudio.opibuilder/font_file=font.def
org.csstudio.opibuilder/top_opis=main.opi
org.csstudio.opibuilder/opi_gui_refresh_cycle=200
org.csstudio.opibuilder/macros="N", "North" | "W", "West" | "user", "demo"
```

Example

URL: <http://localhost:8080/webopi/w?opi=heater.opi|user=demo>

