Meecrowave	Command Line Int	erface

Meecrowave provides a CLI (Command Line Interface) called org.apache.meecrowave.runner.Cli.

It can be used to deploy the java classpath or a war. Here are the main options:

activated on StandardContext. -cdi-conversation Should CDI conversation be activated -client-auth HTTPS keystore client authentication -conf Conf folder to synchronize -connector Custom connectors -tomcat-context-configurer Configurers for all webapps. The Consumer <context- (or="" -cxf-initialize-client-bus="" -cxf-servlet-params="" -default-ssl-hostconfig-name="" -delete-on-startup="" -dir="" -host="" -http="" -http2="" -https="" -jaxrs-beanvalidation="" -jaxrs-default-providers="" -jaxrs-mapping="" -jaxrs-provider-setup="" -jaxws-support-if-present="" -servlet-container-initializer="" 2="" @webservice="" a="" activate="" activated="" all="" and="" applied="" be="" bean="" beans="" bus="" cdi="" classpath.="" classpath.<="" cleaned="" client="" configured="" connections.="" created="" cxf="" cxf-rt-frontend-jaxws="" default="" defaulting="" deployed="" deployments.="" directory="" endpoint="" existing="" fake="" false="" folder="" for="" host="" http="" https="" if="" in="" init="" injections.="" instances="" instances.="" is="" jax-rs="" jaxrs="" jaxrs-providersetup="" johnson="" jsonh="" jsonp="" likely="" list="" load="" mapping="" name="" of="" on="" one="" ones)="" otherwise="" parameters="" passed="" port="" present="" provided="" provider="" providers="" reused.="" root="" secure="" server="" servlet="" servletcontainerinitialize="" servletcontainerinitializer="" set.="" should="" sslhostconfig="" startup="" support="" th="" that="" the="" tmp-dir="" to="" true="" used="" validation="" will=""><th>Name</th><th>Description</th></context->	Name	Description
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cxf-rt-frontend-jaxws is in the classpath.	jaxrs-provider-setup	Should default JAX-RS provider be configured
jsonb-binary-strategy Should JSON-B provider prettify the output	jaxws-support-if-present	
	jsonb-binary-strategy	Should JSON-B provider prettify the output

Name	Description
jsonb-encoding	Which encoding provider JSON-B should use
jsonb-ijson	Should JSON-B provider comply to I-JSON
jsonb-naming-strategy	Should JSON-B provider prettify the output
jsonb-nulls	Should JSON-B provider serialize nulls
jsonb-order-strategy	Should JSON-B provider prettify the output
jsonb-prettify	Should JSON-B provider prettify the output
jsonp-buffer-strategy	JSON-P JAX-RS provider buffer strategy (see johnzon)
jsonp-read-buffer-length	JSON-P JAX-RS provider read buffer limit size (see johnzon)
jsonp-max-string-length	JSON-P JAX-RS provider max string limit size (see johnzon)
jsonp-write-buffer-length	JSON-P JAX-RS provider write buffer limit size (see johnzon)
jsonp-supports-comment	Should JSON-P JAX-RS provider prettify the outputs (see johnzon)
jsonp-supports-comment	Should JSON-P JAX-RS provider support comments (see johnzon)
keep-server-xml-as-this	Don't replace ports in server.xml
keystore-alias	HTTPS keystore alias
keystore-file	HTTPS keystore location
keystore-password	HTTPS keystore password
keystore-type	HTTPS keystore type
logging-global-setup	Should logging be configured to use log4j2 (it is global)
login-config	web.xml login config
meecrowave-properties	Loads a meecrowave properties, defaults to meecrowave.properties.
pid-file	A file path to write the process id if the server starts
properties	Passthrough properties
quick-session	Should an unsecured but fast session id generator be used
realm	realm
roles	In memory roles
scanning-exclude	A forced exclude list of jar names (comma separated values)
scanning-include	A forced include list of jar names (comma separated values)

Name	Description
scanning-package-exclude	A forced exclude list of packages names (comma separated values)
scanning-package-include	A forced include list of packages names (comma separated values)
security-constraint	web.xml security constraint
server-xml	Provided server.xml
shared-libraries	A folder containing shared libraries.
skip-http	Skip HTTP connector
ssl	Use HTTPS
ssl-protocol	HTTPS protocol
stop	Shutdown port if used or -1
tmp-dir	Temporary directory
tomcat-access-log-pattern	Activates and configure the access log valve. Value example: '%h %l %u %t "%r" %s %b "%{Referer}i" "%{User-Agent}i"
tomcat-default-setup	Add default servlet
tomcat-filter	A Tomcat JarScanFilter
tomcat-default-setup-jsp-development	Should JSP support if available be set in development mode
tomcat-skip-jmx	(Experimental) Should Tomcat MBeans be skipped.
tomcat-scanning	Should Tomcat scanning be used (@HandleTypes, @WebXXX)
tomcat-wrap-loader	(Experimental) When deploying a classpath (current classloader), should meecrowave wrap the loader to define another loader identity but still use the same classes and resources.
log4j2-jul-bridge	Should JUL logs be redirected to Log4j2 - only works before JUL usage.
use-shutdown-hook	Use shutdown hook to automatically stop the container on Ctrl+C
tomcat-default	Should Tomcat default be set (session timeout, mime mapping etc)
users	In memory users
watcher-bouncing	Activate redeployment on directories update using this bouncing.
web-resource-cached	Cache web resources
web-session-cookie-config	Force the cookie-config, it uses a properties syntax with the keys being the web.xml tag names.
web-session-timeout	Force the session timeout for webapps

Name	Description
web-xml	Global web.xml
help	Show the CLI help/usage
context	The context to use to deploy the webapp
webapp	Location of the webapp, if not set the classpath will be deployed
docbase	Location of the docbase for a classpath deployment

Note that help command is supported as well.

Extending the CLI

You can add your own CLI options implementing org.apache.meecrowave.runner.Cli\$Options (just a marker interface, no logic to code) and use @CliOption to define fields as coming from the CLI arguments. To register your option bean just add it in META-INF/services/org.apache.meecrowave.runner.Cli\$Options.



Meecrowave.Builder provides a getExtension(type) which can be used to get this kind of extension. This is common and works in all modes (arquillian, JUnit, embedded etc...) replacing the arguments by properties on Meecrowave.Builder instance.