# **Server-Creation DSL**

RestExpress server = new RestExpress()...

## **Server Config**

- .setName(String)
- .setBaseUrl(String)
- .setPort(int)
- .setExecutorThreadCount(int)
- .setIoThreadCount(int)

## Serialization

- .putResponseProcessor(String format, ResponseProcessor)
- .setDefaultFormat(String)
- .noJson()
- .noXml()
- .supportJson()
- .supportJson(boolean isDefault)
- .supportXml()
- .supportXml(boolean isDefault)

# **Socket-Level Config**

- .setConnectTimeoutMillis(int)
- .setKeepAlive(boolean)
- .setReceiveBufferSize(int)
- .setReuseAddress(boolean)
- .setSoLinger(int)
- .setUseTcpNoDelay(boolean)

## **Processors/Observers/Plugins**

- .addPreprocessor(Preprocessor)
- .addPostprocessor(Postprocessor)
- .addFinallyProcessor(Postprocessor)
- .addMessageObserver(MessageObserver)

# **Exception Handling**

```
.mapException(Class<T> fromException, Class<U> toException)
.setExceptionMap(ExceptionMapping)
```

### **Server Execution**

.addPostprocessor(new LastModifiedHeaderPostprocessor())
.addMessageObserver(new SimpleConsoleLogMessageObserver());

## **Route-Definition DSL**

server.uri(String pattern, Object controller) or server.regex(String regex, Object controller)

#### where:

pattern = a string defining the resource URI path, containing optional parameters and optional format parameter after a period ('.'). The parameters are alpha-numeric strings surrounded by curly braces (e.g. "{personId}"). An example URI pattern is: "/users/{userId}/enrollments.{format}"

#### **DSL** methods:

```
.method(HttpMethod...)
.action(String controllerMethod, HttpMethod)
.name(String)
.alias(String pattern) - uri() method only.
.baseUrl(String)
.defaultFormat(String)
.noSerialization()
.performSerialization()
```