

Configuring and Formatting Logging



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Overview/ Summary



- **Problems with our Carved Rock Fitness logging**
- **Log formatters**
- **Log filters**
- **Log Manager and configuration**
- **Structured log of Carved Rock Fitness**



Demo



- Great we have logging
- But oh oh... It's a mess!
- And it's not even logging to a file...





Log Formatters

Log formatters change the structure of the log message.



Built-in Formatters



SimpleFormatter

**Human readable way of depicting
the log message**

XMLFormatter

**Write the log message to standard
XML format**



```
Filter filterAll = s -> false;  
fileHandler.setFilter(filterAll);
```

Logging Filter

Filter is an interface. The isLoggable method must be implemented. If it returns true for a certain log message, it will be sent to the handler and will be logged. If it returns false, it will be ignored.

Filter can be set on the logger.

LogManager: create and manage the logger



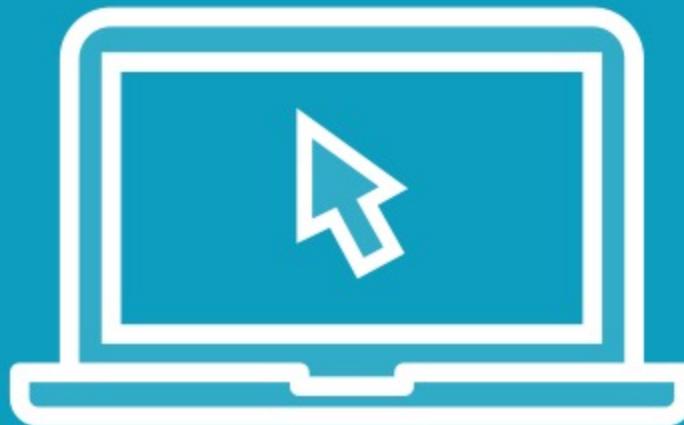
Configuration File



Load custom logging.properties
Don't change the one in JRE home
Custom file can be read by LogManager



Demo



- **Write custom configuration file**
- **Create a LogManager**
- **Use the custom configuration file**



Good log!

