

FilterMetalInfo

```
/*
 * some meta-info for filters, such as the configured level (engine/host, etc), and the
 * order it being configured in the config file.
 * @author xxd
 */

public class FilterMetalInfo implements Comparable<FilterMetalInfo> {

    // ---- Level for filters ----
    public static enum FilterLevels {
        ENGINE("engine"), HOST("host"), CONTEXT("context"), WRAPPER("wrapper");
        private final String readableName;

        private FilterLevels(String readableName) {
            this.readableName = readableName;
        }

        /*
         * (non-Javadoc)
         * @see java.lang.Enum#toString()
         */
        @Override
        public String toString() { return this.readableName; }
    }

    private final FilterLevels level;
    private final int order;
    public FilterMetalInfo(FilterLevels level, int order) {
        super();
        this.level = level;
        this.order = order;
    }

    /**
     * @return the level
     */
    public FilterLevels getLevel() {
        return level;
    }

    /**
     * @return the order
     */
    public int getOrder() { return order; }

    private int compareOrder(int order1, int order2) { return (order1 < order2) ? -1 : ((order1 == order2) ? 0 : 1); }

    @Override
    public int compareTo(FilterMetalInfo o) { if (o.level != this.level) {
        return compareOrder(this.order, o.order); } else {
        return this.level.compareTo(o.level); }
    }

}
```