

Edit - bug #7872

use firePropertyChange only if the value has changed

10/26/2018 12:19 PM - Andreas Kohlbecker

Status:	Worksforme	Start date:	10/26/2018
Priority:	New	Due date:	
Assignee:	Andreas Kohlbecker	% Done:	0%
Category:	cdmlib	Estimated time:	0.00 hour
Target version:		Found in Version:	
Severity:	normal		

Description

this is an example from Team where a PropertyChangeEvent is fired even if `this.nomenclaturalTitle.equals(nomenclaturalTitle) == true`

Before firing the event an equality check should be done to prevent from sending events unnecessarily.

```
public void setNomenclaturalTitle(String nomenclaturalTitle, boolean
protectedNomenclaturalTitleCache) {
    firePropertyChange("nomenclaturalTitle", this.nomenclaturalTitle, nomenclaturalTitle);
    this.nomenclaturalTitle = nomenclaturalTitle == "" ? null: nomenclaturalTitle;
    this.protectedNomenclaturalTitleCache = protectedNomenclaturalTitleCache;
}
```

History

#1 - 10/26/2018 04:03 PM - Andreas Müller

- Status changed from New to Resolved
- Assignee changed from Andreas Müller to Andreas Kohlbecker
- Target version changed from Unassigned CDM tickets to Release 5.5

If you follow the firePropertyChange call you come to PropertyChangeSupport

```
public void firePropertyChange(String propertyName, Object oldValue, Object newValue) {
    if (oldValue == null || newValue == null || !oldValue.equals(newValue)) {
        firePropertyChange(new PropertyChangeEvent(this.source, propertyName, oldValue, newValue));
    }
}
```

so the call is not further propagated and therefore not problematic.

I suggest to close with worksforme

#2 - 10/26/2018 06:16 PM - Andreas Kohlbecker

- Status changed from Resolved to Worksforme

- Target version deleted (Release 5.5)

great and agreed!

one hit before closing this as "worksforme", just in case you missed this out so far:

Since java 1.7 these awkward null save checks can elegantly be replaced by Objects.equals(), so

```
if (oldValue == null || newValue == null || !oldValue.equals(newValue)) {
```

can become

```
if (!Objects.equals(oldValue, newValue)) {
```

#3 - 10/27/2018 12:04 PM - Andreas Müller

Andreas Kohlbecker wrote:

great and agreed!

one hit before closing this as "worksforme", just in case you missed this out so far:

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```
if (oldValue == null || newValue == null || !oldValue.equals(newValue)) {
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can become

```
if (!Objects.equals(oldValue, newValue)) {
```

Ahh, didn't know this. I am always using CdmUtils.nullSafeEquals(o,o)