Oslevel shows wrong AIX's level. Why

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Sometimes we see our AIX box with a lower oslevel than it really have. Why?

This is due to filesets with a lower level than the system have. What happened?

Let explain that with an example.

Today I have installed AIX 7.1 TL3 SP1 on my box.

'oslevel' command shows:

```
1 # oslevel -s
2 7100-03-01-1341
```

Everything is OK but months later I have noted oslevel command shows a lower level. In this case AIX7.1 TL0 SP10, see:

```
1 # oslevel -s
2 7100-00-10-1334
```

What's going on?

Let's check which Technology level (TL) my box has installed:

```
# oslevel -samples

oslevel -r

Known Recommended Maintenance Levels

7100-03

7100-02

7100-01
```

It says it has 4 TLs and the latest is TL3 when 'oslevel -s' command says it has TL0.

So, checking 'man oslevel', there are an option '-rl' for 'oslevel' command that means: To list which software is below AIX Version 5.3 technology level 1, type: oslevel -r -l 5300-01

Running 'oslevel' with this option, we'll see which filesets are causing my oslevel lower:

```
# oslevel -rl 7100-03

Fileset Actual Level
Recommended ML
```

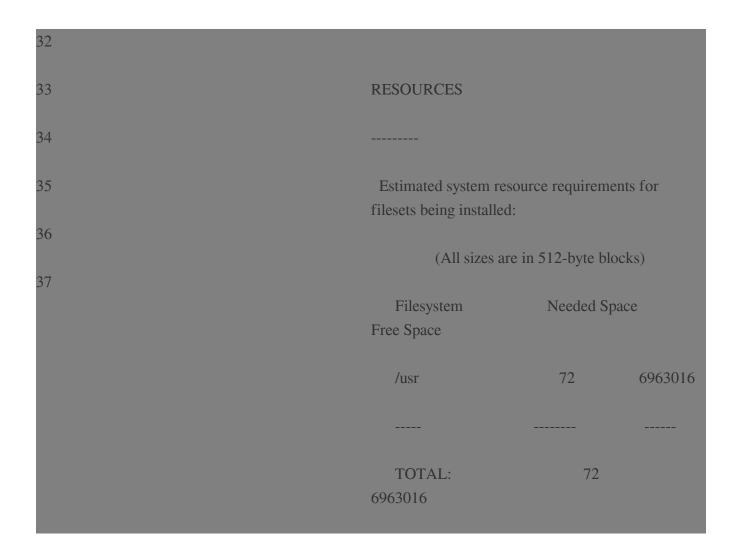
4		
	xlsmp.rte	1.7.0.0
	3.1.0.6	

In this case, fileset xlsmp.rte needs to be updated from version 1.7.0.0 to 3.1.0.6 in order to up to level TL3.

Finally we update OS level from NIM or other media, as shown below:

1	
	+
2	+
3	Pre-installation Verification
4	+
5	+
	Verifying selectionsdone
6	Verifying requisitesVerifying requisitesdone
7	
8	Results
9	SUCCESSES
10	SUCCESSES
11	
	Filesets listed in this section passed pre-installation
12	verification

13	and will be installed.
14	
15	Selected Filesets
16	
17	xlsmp.rte 3.1.0.6 # SMP Runtime Library
18	
19	<< End of Success Section >>
20	
21	+
22	+
23	BUILDDATE Verification
24	++
25	Verifying build datesdone
26	FILESET STATISTICS
27	
28	1 Selected to be installed, of which:
29	1 Passed pre-installation verification
30	
31	1 Total to be installed



Now, it's time to run again 'oslevel -s' command and verify it's OK.

```
1 # oslevel -s
2 7100-03-01-1341
```

Just thanks if the post was helpful

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