

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:

```
1
2                                     # oslevel -samples
3
4                                     oslevel -r
5
6                                     Known Recommended Maintenance Levels
7                                     -----
8                                     7100-03
9                                     7100-02
10                                    7100-01
11                                    7100-00
```

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:

```
1
2                                     # oslevel -rl 7100-03
3
4                                     Fileset                Actual Level
5                                     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  
6 Verifying selections...done  
7  
8 Verifying requisites...Verifying requisites...done  
9  
10 Results...  
11  
12 SUCCESSES  
-----  
Filesets listed in this section passed pre-installation  
verification
```

13
14
15
16
17
18
19
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21
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25
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27
28
29
30
31

and will be installed.

Selected Filesets

xlsmp.rte 3.1.0.6 # SMP Runtime Library

<< End of Success Section >>

+-----
-----+

BUILDDATE Verification ...

+-----
-----+

Verifying build dates...done

FILESET STATISTICS

1 Selected to be installed, of which:

1 Passed pre-installation verification

1 Total to be installed

```
32
33          RESOURCES
34          -----
35          Estimated system resource requirements for
36          filesets being installed:
37
38          (All sizes are in 512-byte blocks)
39
40          Filesystem      Needed Space
41          Free Space
42
43          /usr              72          6963016
44
45          -----
46
47          TOTAL:           72
48          6963016
```

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

```
1
2          # oslevel -s
3
4          7100-03-01-1341
```

Just thanks if the post was helpful

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