

**SEMANTIC VERSION**

# SUMMARY

```
version 1.2.3
      ^  ^  ^
      ||  ||  || Patch : backward compatible bug fixes
      ||  ||  || Minor : features backward compatible manner
      ||  ||  || Major : breaking changes API
```

# DEPENDENCY HELL

```
1 my-app 4.7.2
2 |⌋ internal lib 5.6.1
3 ||   ⌋ logger lib 2016.3.4
4 ||     ⌋ another external lib 0.3.0
5 |⌋ database lib 12(cookie)
6 ||   ⌋ io lib 3.0.0
7 ||     ⌋ another external lib 0.3.0
8 |⌋ list lib 0.1.2alpha
9 ||   ⌋ external lib 4.8
10 ||     ⌋ another external lib 0.3.0
```

**SET OF RULES**

# **PUBLIC API**

only after the release of version 1.0.0

# X.Y.Z FORM

1.2.3

^ ^ ^

|| | Patch

|| | Minor

|| | Major

# PRE-RELEASE RULES

init dev start with "v0 "

```
0.x.x
```

# PRE-RELEASE RULES

can add "–" and other identifiers separated by "."

```
1.1.2-alpha.1  
1.1.2-5.7.9
```



# BUILD METADATA

can add "+" and other identifiers separated by "."

```
1.1.2+012  
1.1.2+21AF26D3  
1.1.2-beta+exp.sha.749f34
```

# INCREMENT RULES

any modification after first release is a new version

1.2.3

# INCREMENT RULES

Patch version

bug fixes (backward compatible)

1.2.3

# INCREMENT RULES

Patch version

bug fixes (backward compatible)

1.2.4

# INCREMENT RULES

Minor version

new features (backward compatible)

1.2.4

# INCREMENT RULES

Minor version

new features (backward compatible)

1.3.0

# INCREMENT RULES

Major version

any backward incompatible changes

1.3.0

# INCREMENT RULES

Major version

any backward incompatible changes

2.0.0



# PRECEDENCE RULES

1.0.0 < 2.0.0 < 2.1.0 < 2.1.1

# PRECEDENCE RULES

with pre-release

```
1.0.0-alpha < 1.0.0
```

# PRECEDENCE RULES

with pre-release

```
1.0.0-alpha < 1.0.0-alpha.1 < 1.0.0-alpha.beta < 1.0.0-beta  
1.0.0-beta.2 < 1.0.0-beta.11 < 1.0.0-rc.1 < 1.0.0
```