



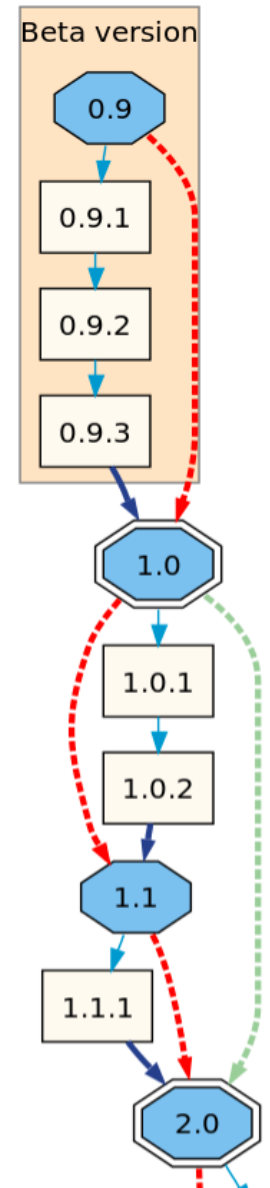
# VERSION NUMBERING

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# SOFTWARE VERSIONING

- The process of assigning **unique version names / unique version numbers** to unique state of a computer software
- Two types of software versioning schemes
  - Internal version number
    - May be incremented several times a day like a revision control number
  - Released version number
    - Changes less often like semantic versioning
- Several numbering schemes are used to keep track of different versions of a software



## SEMANTIC VERSIONING 2.0.0

- It includes number for MAJOR, MINOR & PATCH
  - MAJOR version when you make incompatible API changes,
  - MINOR version when you add functionality in a backwards-compatible manner, and
  - PATCH version when you make backwards-compatible bug fixes.
- Additional labels for pre-release and build metadata are available as extensions to the MAJOR.MINOR.PATCH format.

# EXAMPLE

Major version ↕	Release date ↕	Layout engine <sup>[r 1]</sup> ↕	V8 engine version <sup>[r 2]</sup> ↕	Significant changes ↕
0.2.149	2008-09-02	WebKit 522	0.3	<ul style="list-style-type: none"><li>• First release<sup>[r 3]</sup></li></ul>
0.3.154	2008-10-29			<ul style="list-style-type: none"><li>• Improved plugin performance and reliability</li><li>• Spell checking for input fields</li><li>• Improved <a href="#">web proxy</a> performance and reliability</li><li>• Tab and window management updates</li></ul>
0.4.154	2008-11-24	WebKit 525		<ul style="list-style-type: none"><li>• Bookmark manager with import and export support</li><li>• Privacy section added to the application options</li><li>• New blocked popup notification</li></ul>
1.0.154	2008-12-11	WebKit 528		<ul style="list-style-type: none"><li>• First stable release</li></ul>

## EXAMPLE

- 1.4.5
  - 1 represents the major version number, usually updated when there are lots of major changes to a software
  - 4 represents a minor update like few features (one or more) are added to the program
  - 5 represents a bug fix. In this case the software has 5 bug fixes

# REFERENCES

- <http://semver.org/>