Understanding Module Versioning



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Overview



Semantic versioning

Module versioning rules

Module queries



Semantic Versioning

v1.5.3-pre1



Semantic Versioning

v1.5.3-pre1

- Version prefix (required)
- Major revision (likely to break backward compatibility)
- Minor revision (new features, doesn't break BC)
- Patch (bug fixes, no new features, and doesn't break BC)
- Pre-release of new version, if applicable (text is arbitrary)

Module Versioning Rules

Unversioned v1 and earlier v2+ commits



Versioning Rules - v1 and Earlier

No promise of backward compatibility prior to v1.0.0

Precedence determined by major, minor, then patch versions

import github.com/gorilla/mux



Versioning Rules - v2+

Backward compatibility should be preserved within a major version

Each major version has unique import path

import github.com/gorilla/mux/v2



Versioning Rules - Unversioned Commits

Still uses semver Prerelease identifier **Timestamp** Commit hash



Module Queries

Specific version

@v1.7.2

Version prefix

@v1

Latest

@latest

Specific commit

@c956192

Specific commit

@master

Comparison

@>=1.7.2



Comparison Rules

Closest match wins

Prereleases have lower precedence

Closest match wins

This is important enough to repeat



Summary



Semantic versioning

Module versioning rules

- Prior to v1
- v1
- v2+
- Unversioned commits

Module queries

- Closest match wins

