

## csrutil

Configure System Integrity Protection (SIP). SIP is available in El Capitan (10.11) and later.

### Syntax

- `csrutil status`View the SIP status
- `csrutil enable`Turn SIP on, when booted in Recovery mode
- `csrutil disable`Turn SIP off, when booted in Recovery mode
- `csrutil netboot`Configure a list of allowed NetBoot sources.
- `csrutil help`

SIP can prevent applications from: modifying system files, runtime attachment to system binaries and unsigned kernel extensions (KEXTs)

SIP is turned on by default.

SIP maintains file system permissions automatically - they are checked and repaired when system updates are performed.

System-only locations now forbidden:

- /bin
- /sbin
- /usr (except for /usr/local)
- /System

Folders which are still protected by permissions:

- /usr/local
- /Applications
- /Library

### Examples

To Enable or Disable System Integrity Protection:

- Reboot while holding Cmd + R, then type:
- `csrutil disable && reboot`
- or
- `csrutil enable && reboot`


*“I don’t want to live in a world where friendship is recorded” ~ Edward Stratemeyer*


### Related macOS commands


- Local man page: [csrutil](#) - Command line tool to manage System Integrity Protection
- [security](#) - Administer Keychains, keys, certificates, and other security-related items
- [softwareupdate](#) - System software update tool

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