



# The Future via EPICS Version 3

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# **“The Future”**

conjures up images

# Cities in the air



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Jack Qiao,  
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# Space travel



Picture by Jay Khemani, Creative Commons Attribution 2.0 license ([cc](#))



# Other strange vehicles



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**This talk's title is**

The Future  
**via**  
EPICS Version 3



# Implies

EPICS Version 3  
**could be**



# the route to the future



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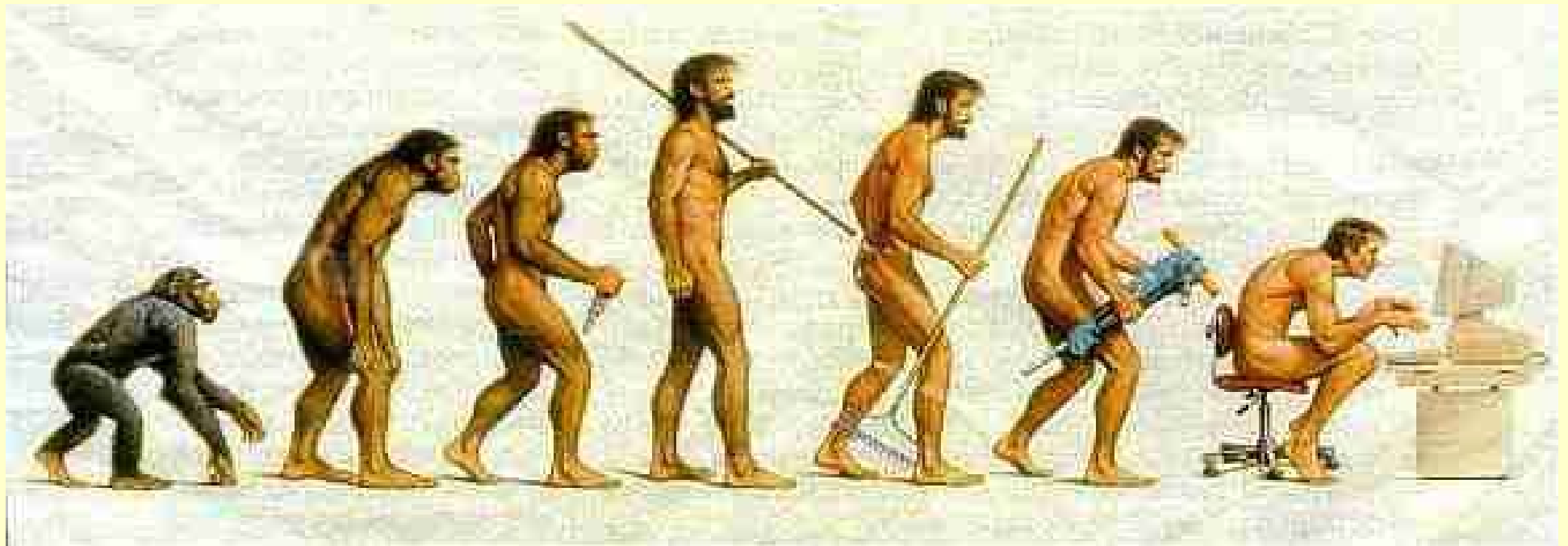




**Big question:**

How?

# By evolution



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# In the past



EPICS Base

Photo by April and Randy Rodgers,  
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# Original developers



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# Active developers today



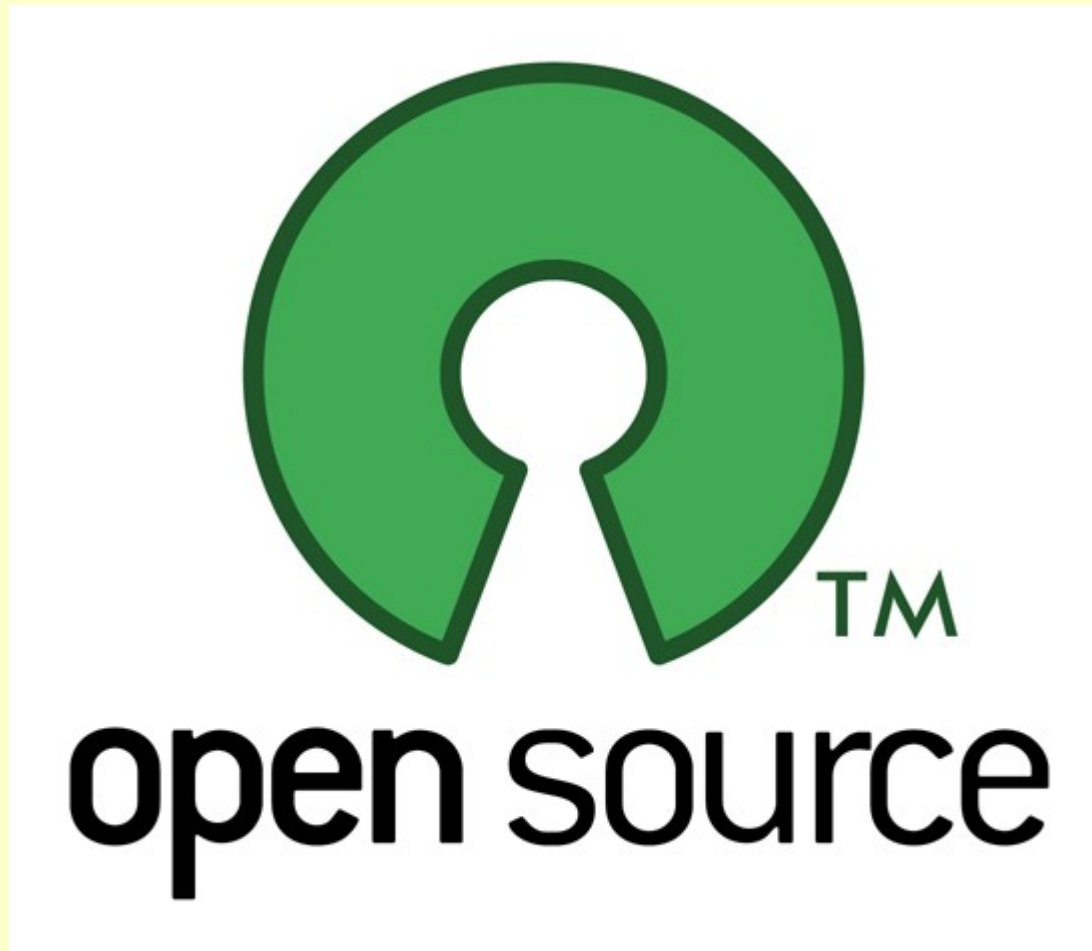
Photos by Andrew Becraft  
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# A lot of developer time



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**EPICS Base is**





**Which means**

Collaborative Development



**If you have an itch**



# Avoid



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# By Public Discussion

- Email
  - Tech-talk
  - Core-talk
- Collaboration meetings



# Commit Access

- All patches will be reviewed
- The core developers have veto power over code changes
  - New core developers will be admitted given enough experience
- One-time legal paperwork before we can accept patches



# Coming sometime



(probably)

# Changes in Progress for 3.14

- Bug fixes
- Support for 64-bit CPUs
  - Linux-x86\_64
  - Solaris-sparc64
- Overhauled CALC expression evaluator
- Unit test library, improved test programs

# Changes for 3.15, 3.16, etc.

- Build system changes
  - Position independent Makefiles
  - Eliminate distinction between Support Modules and Extensions
- Unbundle Base into 4 parts
  - Core (Build system, tools, libCom)
  - Channel Access Client
  - IOC (db, record types, soft device)
  - Channel Access Server