

# C Runtime In Tcl v3

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# C Runtime In Tcl v3 – 3 Years on

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21<sup>th</sup> Annual Tcl Conference  
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# CriTcl v3 – Location Change

- We are still @ **github**
- Official repository, origin of the v3 work, is
  - <https://andreas-kupries.github.com/critcl>
  - <https://github.com/andreas-kupries/critcl>
- Repository by Jean-Claude Wippler is **gone**.
  - ~~<https://jcw.github.com/critel>~~
  - ~~<https://github.com/jcw/critel>~~

# CriTcl v3 – Future Past

- Currently not working on anything
  - I have what I wanted and needed 😊
  
- Well, that changed. Hence this update.

# CriTcl v3 – Past Present

- Lots of bugfixes
- Driven by KineTcl (2012) – Kinect Binding
  - critcl::iassoc – Easy definition of Ekekos
  - critcl::class – TclOO-alike classes and objects in C
- Output diversions
  - Hold generated code in memory not file
- Advanced location management
  - #line's
- Custom argument & result types

# CriTcl v3 – Past Present

- **cproc** extension
  - Basic support for optional arguments
  - Future extension likely inspired by Cmdr experience
- Inheritance between configuration blocks
  - Ashok P. Nadkarni
- More packages to keep boilerplate down
  - critcl::literals
  - critcl::bitmap
  - critcl::enum
  - critcl::emap (not yet released)

# CriTcl v3 – Future Ahead

- Slice & Dice branch
  - Slice 150K monolithic core into pieces
    - Easier to understand and maintain
    - Better internal APIs
    - Encapsulate CC access apart from general management
      - Add **tcc4tcl** support
  - Switch to Tcl 8.5 for the code
    - Still support Tcl 8.4 in output

# CriTcl v3 – Future Ahead

