

# Introduction to ClearCase

v.1.3

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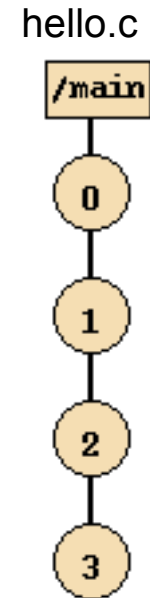
**Prague, 26 September 2007**

## IBM Rational ClearCase

- Version Control
- Build Management

# Versioning

- **Keeps history of a file**
  - Comparing different versions
  - Debugging released product



# Check in / out

- **Checkout**

- Enables to change the file
- Protects from other checkouts (by default)

hello.c



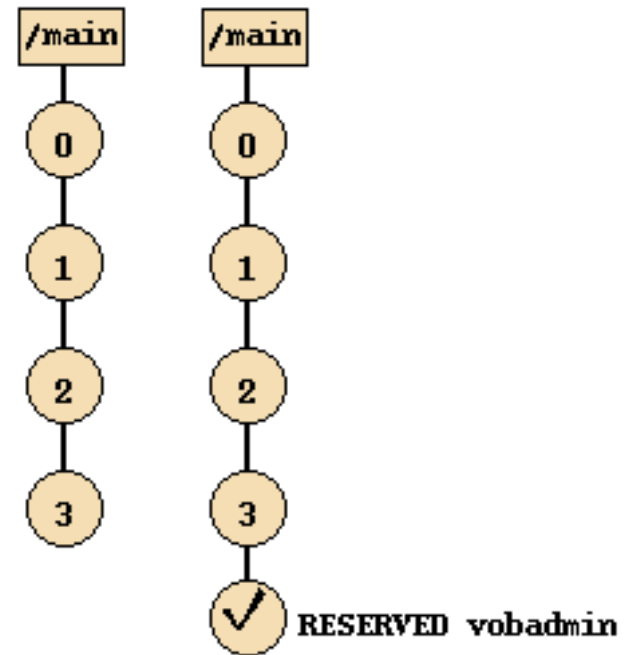
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- **Checkout**

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- `ct co -c "comments" hello.c`

hello.c



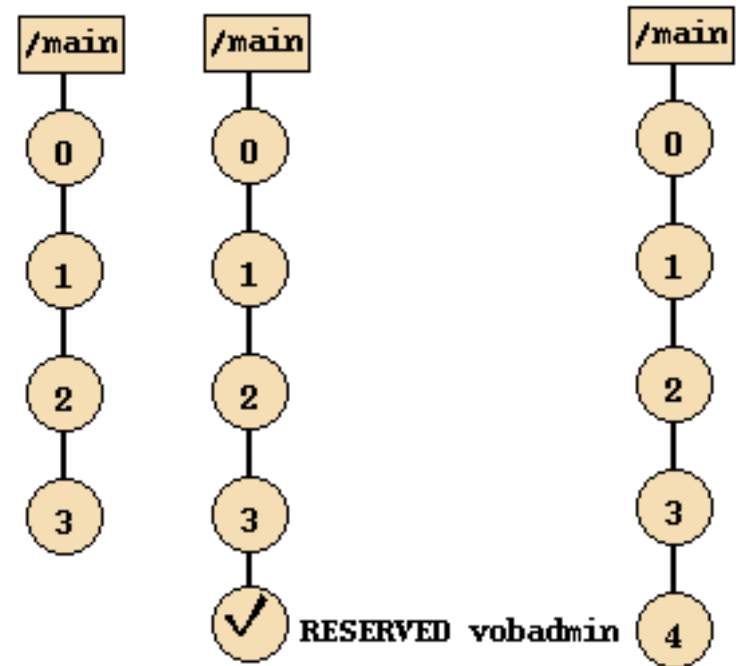
# Check in / out

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- Enables to change the file
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- `ct co -c "comments" hello.c`
- `ct ci hello.c`

hello.c



# Example

## Initial setup

- `mkdir ~/bin`
- `ln -s /usr/atria/bin/cleartool ~/bin/ct`
- `vi .profile`

```
PATH=$HOME/bin:$PATH:/usr/atria/bin
export PATH
```
- `..profile`
- `umask 002`
- `ct mkview -tag `whoami` /data/ccase/viewstore/`whoami`.vws`

## View

- `ct setview `whoami``

# Example

## Check Out

- `cd /data/ccase/training/`whoami``
- `ct co -c "some comments" hello.c`
- `vi hello.c`
- 

## Check In

- `ct ci hello.c`
- `ct diff -pred hello.c ; ct diff -pred -g hello.c`
- `ct lsvtree -a hello.c ; ct lsvtree -a -g hello.c`



# Example - directory

## Check Out

- `vi Makefile`

```
hello: hello.c  
      cc -o hello hello.c
```

- `ct co -c "adding Makefile to the directory" .`
- `ct mkelem -c "Makefile for my project" -ci Makefile`

## Check In

- `ct ci .`
- `ct lsvtree -a -g .`