

# Remote Releases Workshop

4/10/00

## Philosophy and Plans

### Introduction

- Philosophy behind our code management system
- Constraints on the system
- Choices that we've made
  - Details
- Some operational details
- How to improve it

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### Philosophy behind our code management system

- Use tools that exist
- Improve the existing tools as needed
- Write new ones only when necessary

### Upside

- Could get started ASAP
- Saved development time/work

### Downside

- Had to make compromises
- Had to rewrite some tools after we'd started using them
- Maintenance is, perhaps, harder

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### Constraints

- Tight version control, history
- C++
  - Severe coupling requires “monolithic” builds
  - “non-standard” compilers
- Multi-platform support
- Multiple simultaneous versions
- Multiple widely dispersed developers
  - most/many are non-expert
- Remote development sites
  - Remote distribution by non-experts

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### Choices

- CVS
  - free, widely used
  - good version control
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- SoftRelTools build system (Babar)
  - free
  - natural use of CVS
  - naturally allows good version control
  - naturally allows monolithic builds
  - multi-platform support
  - multi-compiler support
- UPS/D, Fermilab's Unix Product Support/Distribution
  - free
  - allows multiple versions to co-exist on a single machine
  - has good remote distribution capabilities

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### Choices (details)

#### – CVS

- <http://www.loria.fr/~molli/cvs-index.html>  
especially the reference manual at:  
[http://www.loria.fr/~molli/cvs/doc/cvs\\_toc.html](http://www.loria.fr/~molli/cvs/doc/cvs_toc.html)
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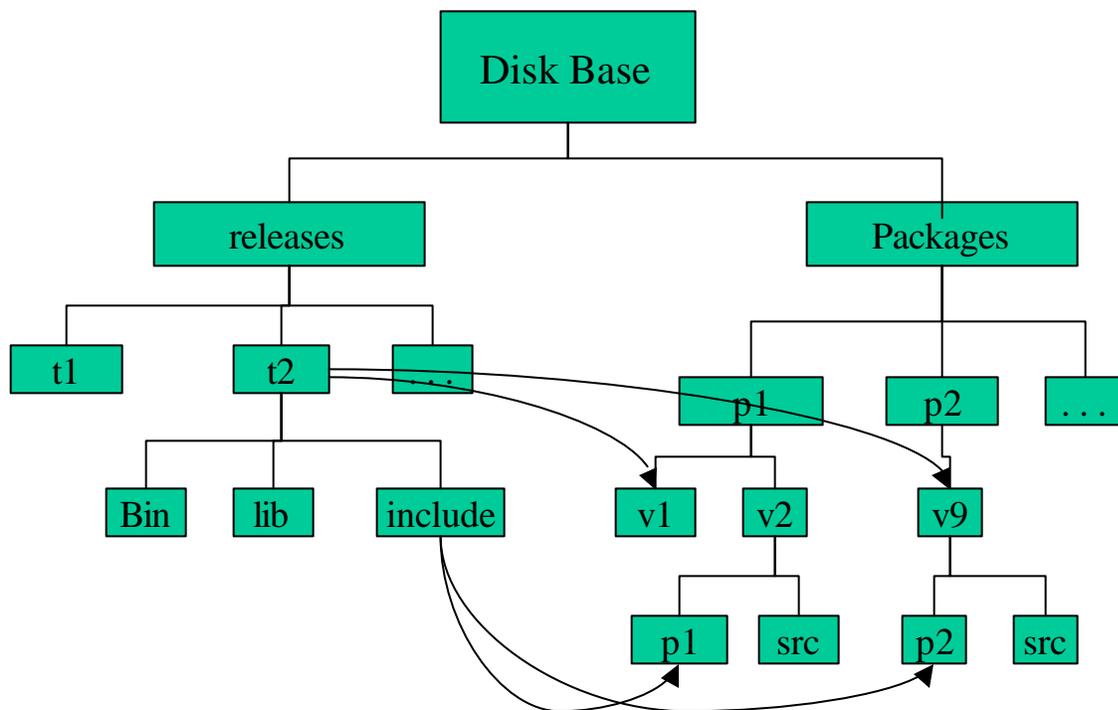
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## 12/06/01

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### Changes since 4/10/00

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- “nt” releases are gone. The actual filter code in the 13 farms will run on Linux, not NT. So they are in the normal “t/p” sequences.
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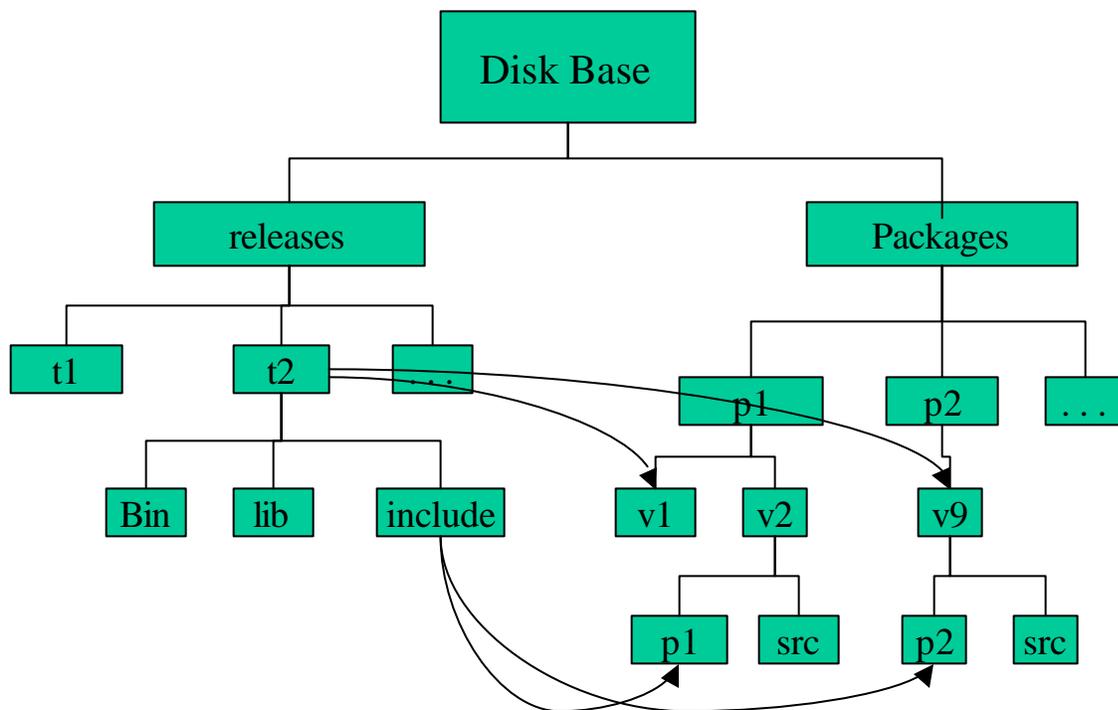
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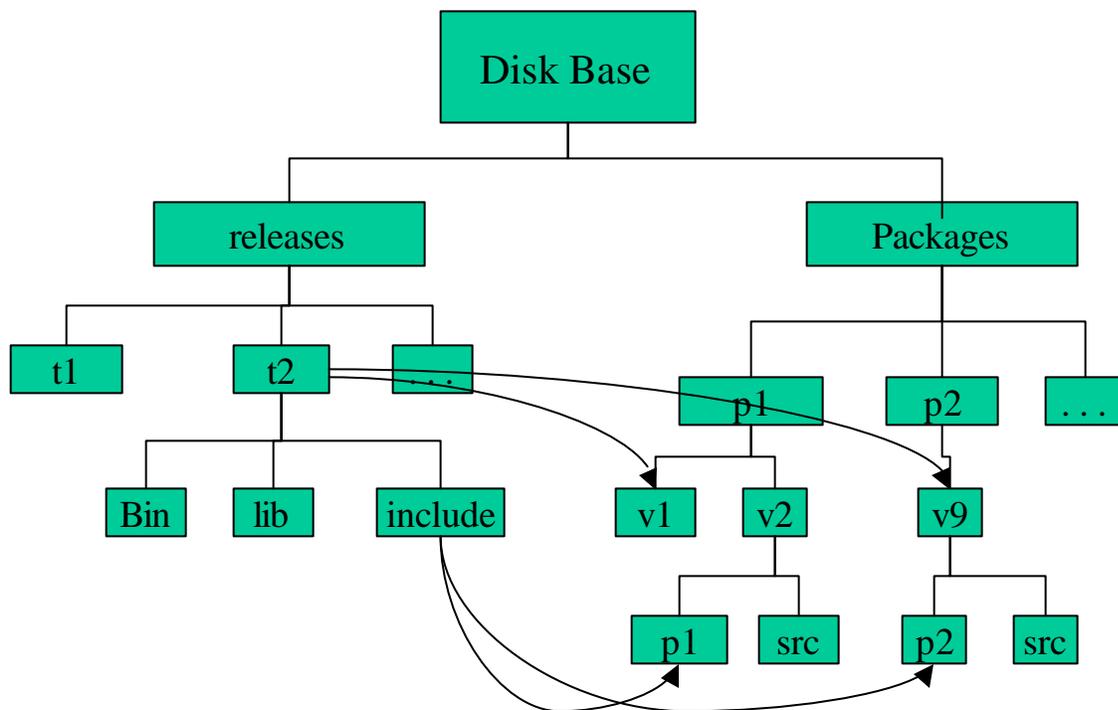
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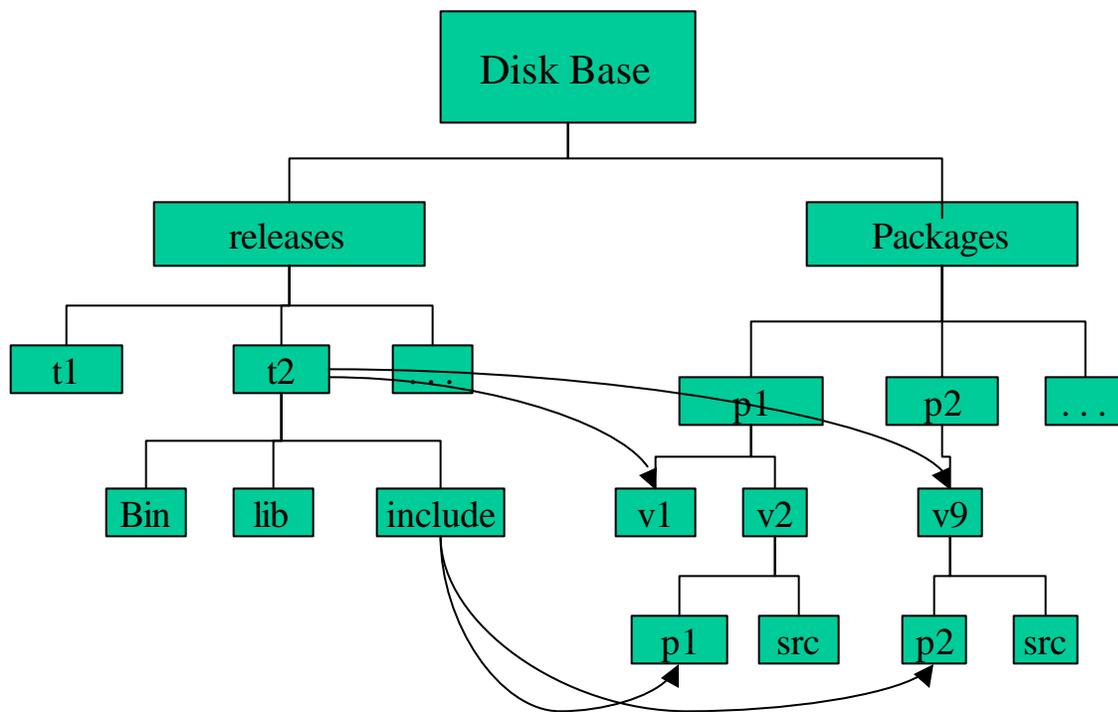
# Remote Releases Workshop

4/10/00

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4/10/00

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# Remote Releases Workshop

4/10/00

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# Remote Releases

## 12/06/01

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### Changes since 4/10/00

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Remote Releases  
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# Remote Releases Workshop

4/10/00

## Philosophy and Plans

### Introduction

- Philosophy behind our code management system
- Constraints on the system
- Choices that we've made
  - Details
- Some operational details
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# Remote Releases Workshop

4/10/00

## Philosophy and Plans

### Philosophy behind our code management system

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# Remote Releases Workshop

4/10/00

## Philosophy and Plans

### Constraints

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# Remote Releases Workshop

4/10/00

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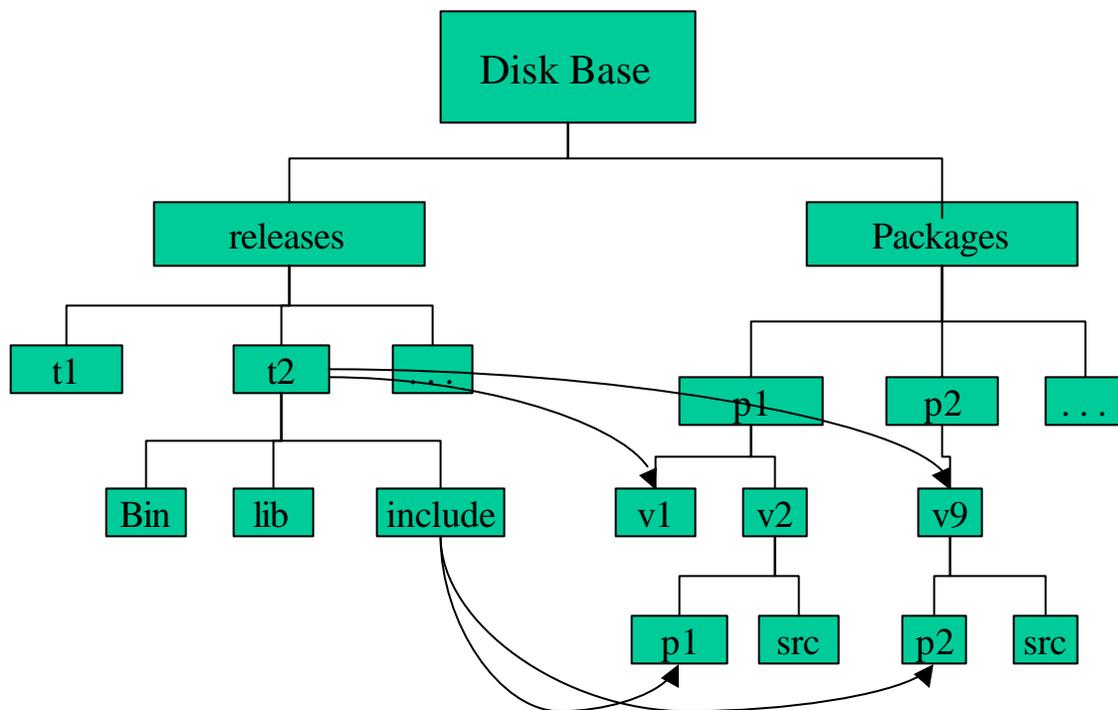
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## 12/06/01

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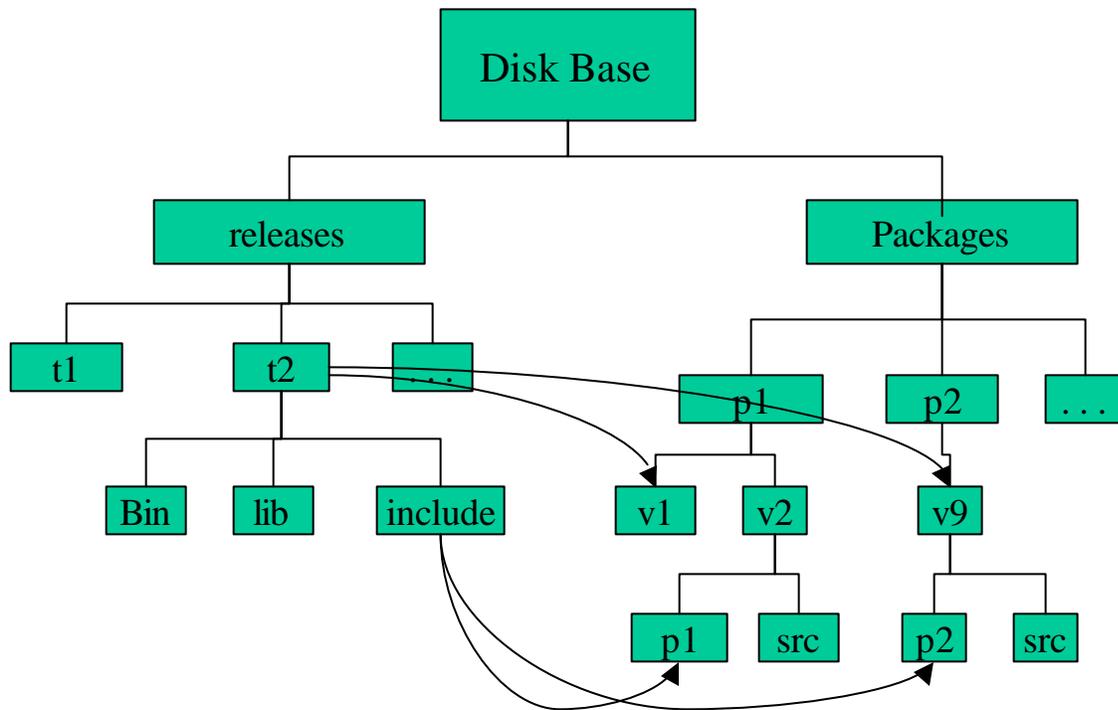
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