

Bernhard Merkle – Find(ing) Bugs Is Easy

Charles Bailey – The Rant Of Three

Simon Sebright – SharePoint for Thinking Developers

Phil Nash – Why I Do What I Do

Matt Turner - Fluency

Chris Oldwood – Not Only But Also

**Frank Birbacher – Style C++ for Version Control**

**Frances Buontempo - TDD**

**Astrid Byro – A Cry For Help**

**Didier Verna – Why?**

# Style C++ for Version Control

Frank Birbacher

April 26, 2012

# The Problem

version control...

- ignores code syntax
- looks at lines
- merge conflicts
- tool problem

# C++ Coding Standards

“Don’t sweat the small stuff.”

# The Goal

- reduce diff size
- reduce merge conflicts

# The Approach

- make more lines
- keep (some) lines constant

# Braces

```
if( condition )  
{  
    ...  
}
```

- braces on separate lines
- brace introduces constant line
- condition and body can change independently

# Extra Comma

```
enum States  
{  
    StateA,  
    StateB,  
    StateC,  
};
```

- trailing comma
- can be extended with one-line-diff
- same for array initializers

# Ctor initializer list

```
ClientInfo::ClientInfo()  
  : InfoBase(42)  
  , peer(PEER_UNKNOWN)  
  , contract(getDefaultContract())  
{  
}
```

- comma at beginning of line
- can be extended with one-line-diff

# Parameter lists?

```
ClientInfo makeClientInfo(  
    unsigned const identifier,  
    Peer const& peer,  
    Contract const& contract  
)
```

{

}

- prefix comma can be done
- changes in parameters should conflict?
- anyway more readable

Thanks.

**Bernhard Merkle – Find(ing) Bugs Is Easy**

**Charles Bailey – The Rant Of Three**

**Simon Sebright – SharePoint for Thinking Developers**

**Phil Nash – Why I Do What I Do**

**Matt Turner - Fluency**

**Chris Oldwood – Not Only But Also**

**Frank Birbacher – Style C++ for Version Control**

**Frances Buontempo - TDD**

**Astrid Byro – A Cry For Help**

**Didier Verna – Why?**