

Karl Fogel

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#####: ############

# **Dedication**

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# ##

# ########

## #######

# ####

####5#####Subversion#########12########################

- Apache#####Apache Software Foundation########Apache#####Apache Portable Runtime (APR)#Apache HTTP####
- GNU Debugger(GDB)#######
- Debian#######

# ##

# ####

###########################CollabNet##Subversion#####

# Chapter 1. ##

################ ############# ################################### Jamie Zawinski##Mozilla########### ############# ###http://www.jwz.org/gruntle/nomo.html# ##################\*\* 

## ##

### ############

### ######

###http://www.gnu.org/gnu/thegnuproject.html#

#############

 $<sup>^{2}\#\#\#\#``\#\#&</sup>quot;`\#\#\#``\#\#\#\#\#\#\#\#\#\#\#""`\#\#\#\#\#\#\#"``\#\#\#\####"""$ 

<sup>3&</sup>quot;GNU's Not Unix"#########GNU#######

### #####

## "##"##"##"

<sup>&</sup>lt;sup>5</sup>#####""X Windows System"#########""X Windows"###########

###########<sup>7</sup>####### ################## \_\_\_\_\_\_ ########## ###http://opensource.feratech.com/advocacy/faq.php#http://opensource.feratech.com/advocacy/case\_for\_hackers.php#marketing# 

<sup>&</sup>lt;sup>7</sup>##Navigator#########1998##############Mozilla#######http://www.mozilla.org/#

<sup>8</sup>OSI###http://www.opensource.org/#

# ##



# Chapter 2. ##

###http://www.catb.org/~esr/writings/cathedral-bazaar/# ######OpenAdapter###http://www.openadapter.org/################investment bank Dresd-################################### ##### #################################### ####### ######################### #####http://www.sourceforge.net/##################http://directory.fsf.org/# ########

#### #########

### #######

#### ######

### ##########

###############################http://www.openoffice.org/#

### #########

### #######

###

- ######HTML#XML##
- #####
- #########
- ###########
- ###########

###

- Python 2.2#####
- ###################2##

### ####

#### Alpha#Beta

### ##

# ####Bug###

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### #####

- ###############
- ##Bug#######

### ##

#### ##FAQ

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# ########

### "########"###

## **GPL**

## #############

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# ####

###### ## ###### ##########\*\*####\*\* 

### ######

############**M**######...

### #########

# ##

To: discuss@lists.example.org
Subject: [ANN] Scanley#####
Reply-to: dev@scanley.org

##: http://www.scanley.org/

#### ##:

- ######HTML#XML
- #######
- (##) ####
- (##) ######
- (##) ######

### ####:

- Python 2.2###
- ######## (######2###)

#######scanley.org#

#### ###

-J. Random

#############################Chapter 6, ###the section called "###"\*##

# Chapter 3. ######

# ########

##################################### ########the section called "###""# #### ##"##""#################### ############ #### ### #### ##### ## ###### #######

### ####

#### 

#### 

#### 3. ###

#### ########

jrandom@somedomain.com

#

jrandom\_AT\_somedomain.com

#

jrandomNOSPAM@somedomain.com

### ######

From: ... To: ... Subject: ... Date: ... Reply-to: sender@email.address.here ##################### Subject: Making the 2.5 release. ############## Subject: [discuss@lists.example.org] Making the 2.5 release. ######## To: <discuss@lists.example.org> ##############To# list-help: <mailto:discuss-help@lists.example.org> list-unsubscribe: <mailto:discuss-unsubscribe@lists.example.org> list-post: <mailto:discuss@lists.example.org> Delivered-To: mailing list discuss@lists.example.org Mailing-List: contact discuss-help@lists.example.org; run by ezmlm 

#http://www.faqs.org/rfcs/rfc2369.html#

# ###Reply-to##

Reply-to: discuss@lists.example.org

- ##eply-to, by Chip Rosenthal
   http://www.unicom.com/pw/reply-to-harmful.html
- #Reply-to######, by Simon Hill

http://www.metasystema.net/essays/reply-to.mhtml

### ####

### ##

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## ##

Mailman — http://www.list.org/

• SmartList — http://www.procmail.org/

####Procmail#######

- **Ecartis** http://www.ecartis.org/
- **ListProc** http://listproc.sourceforge.net/
- **Dada** http://mojo.skazat.com/

#########

- MHonArc http://www.mhonarc.org/
- **Hypermail** http://www.hypermail.org/
- Lurker http://sourceforge.net/projects/lurker/
- Procmail http://www.procmail.org/

# ####

### #######

#### "##"#"###"

###commit#

#####log message# ############### ###update# ####### #######\*\* ####repositorv# ############### ###checkout# #####working copy# #####revision#, ###change#, ####changeset# ####7#######\* #############10#####10####\*\* ###diff# Bug# ###tag# #####Release 1 0#Delivery 00456### ###branch# ####the section called "#######"# #########merge, a.k.a. port# ###the section called "####""# ###conflict# 

###lock#

### ###########

### ########

#### ########

### ####

<sup>4#########</sup>http://cia.vc/stats/vcs#http://subversion.tigris.org/svn-dav-securityspace-survey.html#

<sup>&</sup>lt;sup>5</sup>####configure#######Alexey Makhotkin####http://versioncontrolblog.com/2007/01/08/configurein-and-version-control/#\*config-

### ####

#### CIA##########

######CIA#######IRC####irc.freenode.net####commits#

#### #########

#### #####

#Chapter 7, ########the section called "######" "#####

#### ##

## Bug##

#### #############

##########################bug####

################

## #######

## Bug#####

####################bug#######bug#
bug#

#Chapter 8, #####the section called "#####"####

## IRC / ######

If you're using Subversion, we recommend that you join the users@subversion.tigris.org mailing list, and read the Subversion Book [http://svn-book.red-bean.com/] and FAQ [http://subversion.tigris.org/faq.html]. You can also ask questions on IRC at irc.freenode.net channel #svn.

#######<sup>7</sup>#####<sup>7</sup>

You are now talking on #svn

Topic for #svn is Forum for Subversion user questions, see also http://subversion.tigris.org/. || Development discussion happens in #svn-dev. || Please don't paste long transcripts here, instead use a pastebin site like http://pastebin.ca/. || NEWS: Subversion 1.1.0 is released, see http://svn110.notlong.com/ for details.

#### ####

################################http://www.nomorepasting.com/# http://pastebin.ca/# http://nopaste.php.cd/# http://rafb.net/paste/# http://sourcepost.sytes.net/# http://extraball.sunsite.dk/notepad.php# # http://www.pastebin.com/#

<sup>&</sup>lt;sup>7</sup>##/topic#######IRC#######"/"#######IRC#######http://www.irchelp.org/##http://www.irchelp.org/irchelp/irctutorial.html#

## ####Bots#

<kfogel> ayita: learn diff-cmd = http://subversion.tigris.org/faq.html#diff-cmd
<ayita> Thanks!

########ayita##########URL##"diff-cmd"#########ayita#####diff-cmd####

<kfogel> ayita: tell jrandom about diff-cmd
<ayita> jrandom: http://subversion.tigris.org/faq.html#diff-cmd

##################

<kfogel> !a jrandom diff-cmd
<ayita> jrandom: http://subversion.tigris.org/faq.html#diff-cmd

## ##IRC

## RSS##

<sup>8###</sup>http://www.xml.com/pub/a/2002/12/18/dive-into-xml.html#

## **Wikis**

## ##

## ####

#### ########

#### #####

# Chapter 4. #########

# ####forkability#

## #####

## ##############

## ########Consensus-based Democracy#

## ##############

## ###############

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# Chapter 5. ##

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	#### #################################
	###http://www.openadapter.org/#http://www.koha.org/
	####
	######################################
	###CollabNet [http://www.collab.net/]##http://subversion.tigris.org/####################################
	###### ###############################
	######

###http://www.openoffice.org/#####OpenOffice######################Office## #### ##### #######MySQL [http://www.mysql.com/]##########Sleepycat [http://www.sleepy-## ## ############################ #### ###### ############### ################# 

## ######

## #######

## ##

## #######

#### #####CVS#####

## #######

## ##############

## #######

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## ####/##

## ####

## #########

####################Global Megacorp############################Global Megacorp## #######Singer######Linux#Windows###Singer 5########## 

#####################################Chapter 8, ######the section called "##"#

## ##########

# Chapter 6. ##

########""

#####""#############""

## #####

"#######################"" "###############################J. Random's#########..." ################# #### #######\$lash########## #######apache/mod perl##

##

##

#######slashcode.com#Apache 2.0####

#### Shane

## ####

#### ##########

#### ########

## ##

From: "Karl Fogel" < kfogel@whateverdomain.com>

From: "Wonder Hacker" < wonderhacker@whateverdomain.com>

#### IMPORTANT NOTICE

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## #######

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- 1. ########
- 3. ####

## ##VS#####

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	[]
	#######################################
	Parkinson###################################
	Parkinson###################################
	######################################
	########"#####"#######################

##################Appendix C, #######http://bikeshed.com##

## ####

#############

###########http://catb.org/~esr/jargon/html/H/holy-wars.html#Danny Cohen#######http://www.ietf.org/rfc/ien/ien137.txt#

## "######"##

## ###

## #####

#### ####

From: "Brian W. Fitzpatrick" <fitz@collab.net>
To: [... recipient list omitted for anonymity ...]
Subject: The Subversion Energy Sink
Date: Wed, 12 Nov 2003 23:37:47 -0600

In the last 25 days, the top 6 posters to the svn [dev|users] list have been:

- 294 kfogel@collab.net
- 236 "C. Michael Pilato" <cmpilato@collab.net>
- 220 "J. Random" random@problematic-poster.com>
- 176 Branko #ibej <brane@xbc.nu>

130 Philip Martin <philip@codematters.co.uk>

126 Ben Collins-Sussman <sussman@collab.net>

########5########Subversion##1.0#

-Fitz######3##svn#######

## ####

## #######

#####Scanley####fronbnicated###unfrobnicate#########

- 1. ##Scanley####
- 2. ##Scanley#'defrobnicate'###
- 3. ######

- 1. ##Scanley####
- 2. ######Scanley#######
- 3. ###########defrobnicate'###
- 4. ####Scanley###########
- 5. ######

#### ##########

#####FAQ#

- 3. #####Google########FAQ#######FAQ###
- 4. ####FAQ################

## ###Anchor#ID## #####################Anchor#id### ###anchor#####HTML anchor###<a>...</a>######"name"### <a name="mylabel">...</a> ######HTML#####id#######HTML#####<a>#### ... http://myproject.example.com/faq.html#mylabel #############anchor#######id####id#####################anchor#########anchor#id <a name="mylabel"></a> ...################### FAQ#URL##############""name"#/#"id"########title### <a name="mylabel" title="#mylabel">...</a> ##

#### #######

```
#####linuxhelp
###linuxhelp#####
http://www.catb.org/~esr/faqs/smart-questions.html &&
http://www.tldp.org/docs.html#howto ###### | ####
#http://www.nerdfest.org/lh_rules.html | #####2.6.x
## http://kerneltrap.org/node/view/799
######: http://tinyurl.com/4s6mc ->
###2.6.8.1#2.4.27 | ######: http://tinyurl.com/6w8rf
reiser4##
#####################$ubversion######Chapter 3, ######the section called "Bug#####" #####
bug##########500#############bug#################500###########
###################
r12908 | qsimon | 2005-02-02 14:15:06 -0600 (Wed, 02 Feb 2005) | 4 lines
Patch from J. Random Contributor <jrcontrib@gmail.com>
* trunk/contrib/client-side/psvn/psvn.el:
Fixed some typos from revision 12828.
...#########""#######"r12828'#######revision#12828###############################
########FAQ########Anchor#ID##########URL####
##########
```

## Bug#######

################

## ###

####### ...####bug#### ...

## ######

- 1. ##########bug####bug########

#### ####

#### #######

## CAN/CVE##

#### ###

```
############
From: ####
To: admin@large-famous-server.com
Reply-to: ################
Subject: ##Scanley#####
#####Scanley##############
#########
#################Scanley#######19##
##############
###
========
 CAN-2004-1771: Scanley#########
 #########
#####
=======
 #######################
#####
========
 #scanley.conf##'natural-language-processing'#####'off'#####
 #####
###
=====
 #######Scanley 3.0#3.1#3.2#
 ########Scanley 3.2.1###3#19###########
 ###
[...#####...]
```

#bug############CAN/CVE###

#### ######

# Chapter 7. #########

###

Scanley 2.3 Singer 5.11.4

4##################

####API#### ######### ############ ####### ################

62

Scanley 2.3.0 (Alpha)

Singer 5.11.4 (Beta)

Scanley 2.3.0 (Alpha 1)

Scanley 2.3.0 (Alpha 2)

Scanley 2.3.0 (Beta 1)

Scanley 2.3.0 (Beta 2)

Scanley 2.3.0 (Beta 3)

Scanley 2.3.0

#### ####

#### #####

#### ####

#### #######

```
$ cd trunk-working-copy
$ cvs tag -b RELEASE 1 0 X
###Subversion#####
$ svn copy http://.../repos/trunk http://.../repos/branches/1.0.x
#####
###
$ cd RELEASE_1_0_X-working-copy
$ cvs tag RELEASE 1 0 0
#
$ svn copy http://.../repos/branches/1.0.x http://.../repos/tags/1.0.0
$ cd trunk-working-copy
$ cvs tag -b RELEASE_1_1_X
$ svn copy http://.../repos/trunk http://.../repos/branches/1.1.x
########
```

### ######

#### #######

#### ####

#### #########

\* r2401 (issue #49)

Prevent client/server handshake from happening twice. Justification:

Avoids extra network turnaround; small change and easy to review. Notes:

This was discussed in http://.../mailing-lists/message-7777.html and other messages in that thread.

Votes:

+1: jsmith, kimf

-1: tmartin (breaks compatibility with some pre-1.0 servers; admittedly, those servers are buggy, but why be incompatible if we don't have to?)

\* r13222, r13223, r13232
Rewrite libsvn\_fs\_fs's auto-merge algorithm
Justification:
 unacceptable performance (>50 minutes for a small commit) in
 a repository with 300,000 revisions
Branch:
 1.1.x-r13222@13517
Votes:
 +1: epg, ghudson

#### ####

### ##

#### ##

#### TAR##

#### #####

```
Version 2.5.0
(20 December 2004, from /branches/2.5.x)
http://svn.scanley.org/repos/svn/tags/2.5.0/

New features, enhancements:
    * Added regular expression queries (issue #53)
    * Added support for UTF-8 and UTF-16 documents
    * Documentation translated into Polish, Russian, Malagasy
    * ...

Bugfixes:
    * fixed reindexing bug (issue #945)
    * fixed some query bugs (issues #815, #1007, #1008)
    * ...
```

#### CHANGES##ChangeLog

scanley-2.5.0.tar.bz2 scanley-2.5.0.tar.gz scanley-2.5.0.zip

#### #######

#### ###

scanley-2.3.0-alpha1.tar.gz scanley-2.3.0-alpha2.tar.gz scanley-2.3.0-beta1.tar.gz scanley-2.3.0-beta2.tar.gz scanley-2.3.0-beta3.tar.gz scanley-2.3.0.tar.gz

#######scanley-2.3.0-alpha1####scanley-2.3.0-alpha2#####

#### #####

- \$ ./configure
- \$ make
- # make install

#### ####

### #####

#### ####

#### ####

### ######

#### ####

### #######

r6228 | jrandom | 2004-06-30 22:13:07 -0500 (Wed, 30 Jun 2004) | 8 lines

Fix Issue #1729: Make indexing gracefully warn the user when a file is changing as it is being indexed.

\* ui/repl.py

(ChangingFile): New exception class.

(DoIndex): Handle new exception.

\* indexer/index.py

(FollowStream): Raise new exception if file changes during indexing. (BuildDir): Unrelatedly, remove some obsolete comments, reformat some code, and fix the error check when creating a directory.

Other unrelated cleanups:

\* www/index.html: Fix some typos, set next release date.

\_\_\_\_\_

#### ####



# Chapter 8. #####

#### #########

#### ##

#### #########

<sup>&</sup>lt;sup>1</sup>#######Karim Lakhani#Robert G. Wolf#############Why Hackers Do What They Do: Understanding Motivation and Effort in Free/Open Source Software Projects##http://freesoftware.mit.edu/papers/lakhaniwolf.pdf#

#### ########

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#############################20#####

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#### ####

##http://en.wikipedia.org/wiki/Regression\_testing#

#### ################################

######Scanley################################

#######Subversion########## [...]

### ###############################

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#### #####

#### **FAQ###**

#Sean Michael Kerner#http://osdir.com/Article1722.phtml###The FAQs on FAQs######FAQ#####

### ##

<sup>&</sup>lt;sup>4</sup>IssueZilla#########BugZilla###

### ###

#### #####

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#### ######

<sup>6###</sup>RedHat#http://www.redhat.com/#####

#1	<del>111</del>	##	111	#-	HH	+#-	##	+++	#-	##	111	+	#+	##	++	111	#	#-	#-	#4	++	++	Н	111	#	#	#-	#+	#4	44	++	++	111	Н	111	#	#	#	#	#4	44	++	14	H	+	#	#-	44	111	+	#+	44	14	+	#4	4+	++	111	#	#+	44	ŀН	111	#	#+	4	44	111
111	+++	111	111	#1	111	11	111	111	#1	111	111	11	111	11	т	11	11	111	111	111	11	111	11	11	11	11	11	11	11 1	77	11	11	т	11	11	#	#	11	11	11 1	11	11	<del>' 11</del>	111	11	#	111	11	т	11	111	111	<del>' 11</del>	11	11 1	T	т	11	#	111	11	111	11	11	111	77	т	711
##	##	##	##	#	##	#	##	##	#:	##	##	#	#+	##	##	#	#	#:	#:	##	#	#	#	#	#	#	#:	##	##	##	#	#	##	#	#	#	#	#	#:	##	#	#	##	##	#	#	#:	##	##	#	#:	##	##	#	##	##	##	#	#	#1	##	##	#	#	##	##	##	##
44	##	44	+++	4-	H +1	Щ.	##	+++	4	44	141	4	#-	44	++		#	н-	н.	44	++	++	Ш		#	4	н.	#4	44	44	++	++	+++	Ш		#	#	#	μ.	44	44	++	14	Н	4	#	н.	44	+++	.#	44-	44	14	4	44	44	++		#	44	44	+++		#	#-	44	44	+41
##	+#	##	†#	#1	+++	#	##	+++	#1	##	+++	#	# 1	++	+++	#	#	#1	# 1	##	11	+++	+++	#	#	#	# 1	##	H+	++	††	††	+++	+++	#	#	#	#	#	H+	++	††	+++	+++	#	#	#1	++	+++	#	# 1	++1	+++	#	H+	11	+++	#	#	# 1	++	+++	#	#	#1	++	†#	<i>†</i> #
##	4#	##	##	#	##	#																																																														

# Chapter 9. ########

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#### FOSS, F/OSS, FLOSS

#### DFSG-##

#### OSI-##

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"<del>"</del> ##FSF#############

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### ##

#####################################GNU GPL#######

<sup>3###########</sup>http://lpf.ai.mit.edu/Whatsnew/survey.html#

<sup>4###</sup>RedHat###############http://www.redhat.com/legal/patent\_policy.html#

7. ######################### ###################################### ############################ ############################# ############################ ############################ ########################### ############################ ####### [...] ############################# ############################ ############################# ############################ ############################ ########################## ####

#### 3.#########

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	wheeler.com/essays/gpl-compatible.html.

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# Appendix A. #######

### CVS — http://www.nongnu.org/cvs/

### Subversion — http://subversion.tigris.org/

### SVK — http://svk.elixus.org/

### Mercurial — http://www.selenic.com/mercurial/

### GIT — http://git.or.cz/

### Bazaar — http://bazaar.canonical.com/

# Bazaar-NG — http://bazaar-ng.org/

### Darcs — http://abridgegame.org/darcs/

"David#######Advanced Revision Control System####CVS######Haskell#####Linux#MacOS X#FreeBSD#OpenBSD#Microsoft Windows#Darcs############cgi###""

# Arch — http://www.gnu.org/software/gnu-arch/

### monotone — http://www.venge.net/monotone/

### Codeville — http://codeville.org/

### Vesta — http://www.vestasys.org/

### Aegis — http://aegis.sourceforge.net/

### CVSNT — http://cvsnt.org/

### META-CVS — http://users.footprints.net/~kaz/mcvs.html

### OpenCM — http://www.opencm.org/

### Stellation — http://www.eclipse.org/stellation/

### PRCS — http://prcs.sourceforge.net/

"PRCS################CVS###############""" ... ######## ... ####### ... ######SC-CS#RCS#CVS###############""

### ArX — http://www.nongnu.org/arx/

### SourceJammer — http://sourcejammer.org/

# FastCST — http://www.zedshaw.com/projects/fastcst/index.html

# Superversion — http://www.superversion.org/

# Appendix B. ##Bug####

### Bugzilla — http://www.bugzilla.org/

### **GNATS** — http://www.gnu.org/software/gnats/

### RequestTracker (RT) — http://www.bestpractical.com/rt/

### Trac — http://trac.edgewall.com/

### Roundup — http://roundup.sourceforge.net/

### Mantis — http://www.mantisbt.org/

### Flyspray — http://www.flyspray.org/

# Scarab — http://scarab.tigris.org/

2004##Scarab####1.0####

# Debian Bug####DBTS# — http://www.chiark.greenend.org.uk/~ian/debbugs/

Debian Bug################################DBTS#######http://bugs.debian.org/#277,741####

DBTS#####web############

# **Trouble-Ticket Trackers**

- WebCall http://myrapid.com/webcall/
- **Teacup** http://www.altara.org/teacup.html

# Bluetail Ticket Tracker (BTT) — http://btt.source-forge.net/

# Appendix C. ############

```
Subject: ###############...
##: Poul-Henning Kamp <phk@freebsd.org>
##: 1999#10#2# ### 16:14:10 +0200
Message-ID: <18238.938873650@critter.freebsd.dk>
###: phk@critter.freebsd.dk
##: Blind Distribution List: ;
MIME-Version: 1.0
[###committers, hackers]
#####################################
########
#################hackers#########
###
############################
####################
##################################
##############################
sleep(1)######FreddBSD#################
#########
##################################
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"######################
###############
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```

### ####### ###################################### ###################################### ################ ###### #################################### ###################################### ########### ##################hackers# ############## ####################/dev/null#####[###] ########################## ############### ################# ############################ ############## #######

+   #################10######     ############################	<del>-</del>
 	  +
+	+   
[##] +	   +
+   ################################	+ 
   ################## 	 
############################      [##] +	    +
+	+ 
[##]	+
######################################	
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######################################	

##"#

Poul-Henning

# Appendix D. ##bug####

Subversion####Bug

#############Bug#######Bug### - ### ####### ###Bug

- \* ###APR##Bug########### dev@apr.apache.org#dev@subversion.tigris.org
- \* ###Neon HTTP##Bug########## neon@webdav.org#dev@subversion.tigris.org
- \* ###Apache HTTPD 2.0#Bug###########
  dev@httpd.apache.org#dev@subversion.tigris.org#Apache httpd
  ##########################
  http://httpd.apache.org/bug\_report.html####bug#
- \* ######buq##############

#######Subversion############

- \* ######
- \* Subversion########
- \* ##Subversion########
- \* ##Subversion####
- \* ##Subversion#Berkeley DB########

# Appendix E. ##

### ######

- \* #### ######

# ########

- \* ## ########################

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