

2013年4月15日星期一

subversion概述

- 版本控制工具
 - > 多人协作开发
 - > 版本回溯
- SVN的版本控制模型 拷贝-修改-合并





SVN工作流程

- 下载安装SVN(Tortoise SVN) <u>http://tortoisesvn.net/downloads.html</u>
- 创建版本库
- 首次导入(import): svn import [PATH] URL 将要进行版本控制的源码导入到版本库中,形成第一个修订版本。 导入后即可删除已导入的源码。
- 首次检出(checkout): svn checkout URL [PATH] 将版本库的代码检出到一文件夹中,得到一份工作拷贝。
- 修改代码
- 提交(commit): svn commit --message "…"
 修改完成后,将修改提交到版本库中。请详细填写修改注释
- 更新(update): svn update 将当前代码更新到最新版本
- 新增文件或目录(add): svn add PATH...
- ♦ 检查工作拷贝状态(status): svn status







本课程SVN版本库地址

- ▶ 第1组: http://www.comdyn.cn:9880/comdyn-1
- ▶ 第2组: http://www.comdyn.cn:9880/comdyn-2
- ▶ 第3组: http://www.comdyn.cn:9880/comdyn-3
- ▶ 第4组: http://www.comdyn.cn:9880/comdyn-4
- ▶ 第5组: http://www.comdyn.cn:9880/comdyn-5

账户管理:

- ▶ 管理地址: http://svn-server.comdyn.cn
- > 用户名和初始密码:邮件发送



Example-Import

组长完成,只需一次!

Mime type

application/octet

application/octet application/octet

/indows7_OS (C:) ▶ 13spring ▶ test ▶	8	C:\13s	pring\test\stap90 - Import - TortoiseSVN
clude in library	y 🔻 Share with 👻 New folder	-F	Reposit	tory
	A	L L	URL of	repository:
Name	Date modified		🙆 ht	ta //www.comdyn.co.0880/comdyn.1
	2012 01 12 0		C nu	p://www.comdyn.ch.9880/comdyn-1
🌗 stap90	2013-04-12 9:0			
	Open		Import	message
	Open in new window			Recent messages
	open in new window			Recent messages
6	Scan with Microsoft Security Essentials		Impor	t the code of step 90
	6 使用 360 杀毒 扫描			
	Share with			
	SVN Checkout			
	💆 TortoiseSVN	🖣 👷 Ir	mport Fin	ished!
	o	1.00		
(UltraISO	A	ction	Path
	📄 添加到压缩文件(A)	C	ommand	Import C:\13spring\test\stap90 to http://www.comdyn.cn:9880/comdyn-1
3	— 沃加到 "ctap00 rar"(T)	A	dding	C:\13spring\test\stap90\STAP90.DSW
		A	dding dding	C:\13spring\test\stap90\DATAIN90.FOR
1	📄 压缩并 E-mail	A	dding dding	C:\13spring\test\stap90\ELCAL90.FOR C:\13spring\test\stap90\STAP90使用说明.doc
	■ 压缩到 "stap90.rar" 并 E-mail	A	dding	C:\13spring\test\stap90\GLOBALS.F90
		A	dding	C:\13spring\test\stap90\FFI.F90
	Restore previous versions	💰 Ad	dding	C:\13spring\test\stap90\STAP90.ncb
	Include in library	A	dding	C:\13spring\test\stap90\STAP90.OPT
	Include in library	A	dding	C:\13spring\test\stap90\STAP90.PLG
			uding dding	C:\L3spring\test\stap90\\$TAP90.DSP C:\L3spring\test\stap90\\$TAP90.ECP
	Send to		.ddina	C:\13spring\test\stap90\stap90.in
		A	dding	C:\13spring\test\stap90\ASSEM90.FOR
	Cut	A	dding	C:\13spring\test\stap90\STAP90.OUT
		A	ddina	C:\13spring\test\stap90\truss.dat

Example-Checkout

Repository			
URL of repository:			
Attp://www.comdyn.cn:98	B0/comdyn-1	-	
Checkout directory:			
C:\13spring\test\comdyn1_user	r1		
Multiple, independent working	g copies		
Checkout Depth			
Fully recursive		•	
Omit externals	<u>h</u>	oose items	
Revision			
HEAD revision			
Revision		Show log	
ws7_OS (C:) + 13spring + test	•		
e in library 🔻 Share with 🔻	New folder		
ame	Date modified	Туре	

2013-04-12 9:16

File folder

所有成员,只需一次!

Example-Checkout

	100 March 1	FRANK CAME INC	OLD YOU	
🔾 🤜 🚽 🕨 Computer 🕨 V	Vindows7_OS (C:) ► 13spring ► t	test ▶ comdyn1_user1 ▶		
Drganize 🔻 Include in library	y ▼ Share with ▼ New fo	lder		
🔆 Favorites	Name	Date modified	Туре	Size
📃 Desktop	📗 .svn	2013-04-12 9:18	File folder	
🗼 Downloads	ASSEM90.FOR	2013-04-12 9:18	fortran_file	
🕮 Recent Places	DATAIN90.FOR	2013-04-12 9:18	fortran_file	
	ELCAL90.FOR	2013-04-12 9:18	fortran_file	
清 Libraries	FFI.F90	2013-04-12 9:18	fortran_file	
Documents	🔊 GLOBALS.F90	2013-04-12 9:18	fortran_file	
🚽 Music	🔊 STAP90.DSP	2013-04-12 9:18	dspfile	
Pictures	🔊 STAP90.DSW	2013-04-12 9:18	mdpfile	
📄 PPTV视频	STAP90.FOR	2013-04-12 9:18	fortran_file	
Subversion	🔊 stap90.in	2013-04-12 9:18	IN File	
🛃 Videos	🛃 STAP90	2013-04-12 9:18	VC++ Intellisense	
📄 迅雷下载	STAP90.OPT	2013-04-12 9:18	OPT File	
	STAP90.OUT	2013-04-12 9:18	OUT File	
🖏 Homegroup	🔊 STAP90.PLG	2013-04-12 9:18	PLG File	
	🗾 STAP90使用说明	2013-04-12 9:18	Microsoft Office	
💺 Computer	🔊 truss.dat	2013-04-12 9:18	DAT File	
🏭 Windows7_OS (C:)				

Example-Modify

▶ Computer ▶ Windows7_OS (C:) ▶ 13spring ▶ test ▶ comdyn1_user1 ▶

▼ 🧊 Open 🔻	New folder			
rites	Name	Date modified	Туре	Size
sktop	🥼 .svn	2013-04-12 9:18	File folder	
wnloads	JASSEM90	2013-04-12 9:18	FOR File	10 KB
cent Places	🔊 DATAIN90	2013-04-12 9:18	FOR File	6 KB
	🔊 ELCAL90	2013-04-12 9:18	FOR File	9 KB
ries	FFI.F90	2013-04-12 9:18	fortran_file	11 KB
cuments	GLOBALS.F90	2013-04-12 9:18	fortran_file	3 KB
isic	STAP90.DSP	2013-04-12 9:18	dspfile	5 KB
tures	STAP90.DSW	2013-04-12 9:18	mdpfile	1 KB
TV视频	STAP90	2013-04-12 9:26	FOR File	11 KB
oversion	🔊 stap90.in	2013-04-12 9:18	IN File	1 KB
eos	STAP90	2013-04-12 9:18	VC++ Intellisense	41 KB
雷下载	STAP90.OPT	2013-04-12 9:18	OPT File	54 KB
	STAP90.OUT	2013-04-12 9:18	OUT File	5 KB
egroup	STAP90.PLG	2013-04-12 9:18	PLG File	5 KB
	测 STAP90使用说明	2013-04-12 9:18	Microsoft Office	64 KB
puter	🍘 truss	2013-04-12 9:18	DAT File	1 KB

Drive (D:)

ndows7_OS (C:)

Example-Commit

puter ▶ Windows7_OS (C:) ▶ 13spring ▶ test ▶ comdyn1_user1 ▶

le in library 🔻 Share with 💌 New folder Name Date modified Type Size File folder .svn 2013-04-12 9:18 FOR File ASSEM90 2013-04-12 9:18 10 KB DATAIN90 2013-04-12 9:18 FOR File 6 KB ELCAL90 2013-04-12 9:18 FOR File 9 KB FFI.F90 2013-04-12 9:18 fortran file 11 KB GLOBALS.F90 2013-04-12 9:18 fortran file 3 KB 0 STAP90.DSP dspfile 2013-04-12 9:18 5 KB 0 STAP90.DSW 2013-04-12 9:18 mdpfile 1 KB STAP90 11 KB 2013-04-12 9:26 FOR File 🔊 stap90.in 2013-04-12 9:18 IN File 1 KB File folder 41 KB - O X C:\13spring\test\comdyn1_user1 - Commit - TortoiseSVN 54 KB 5 KB Commit to: http://www.comdyn.cn:9880/comdyn-1/ 5 KB Message: 64 KB Recent messages 1 KB modify for test Changes made (double-click on file for diff): All None Non-versioned Versioned Added Deleted Modified Files Directories Check: Path Extension Property status Status Loc STAP90.FOR .FOR modified



👻 🍫 Search comdyn1

Example-User2 Checkout and Update

ows7_OS (C:)	▶ 13spring ▶ test ▶	▶ Windows7_OS (C:) ▶ 13spring ▶ test ▶								
de in library 🔻	Share with 🔻 New f	older	Include i	in library 🔻 🛛 S	hare	with 🔻 New fol	lder			
lame	^	Date modified	Mars	~	~		Data modified	Tuno		
🏂 comdyn1_ι	user1	2013-04-12 9:18	INdfi	ie -			Date modified	туре		
comdyn1_u	user2	2013-04-12 9:16	2	comdyn1_user1			2013-04-12 9:32	File folder		
▶ comdy Open ▶ stap90 Open in new window ▲ Scan with Microsoft Security Esser ② 使用 360杀毒 扫描		Essentials	comdyn1_user/ comdyn1_user/ stap90	comdyn1_user2 comdyn1_user3 stap90	1	Open Open in new window Scan with Microsoft Security Essentials.		der der der		
2	Share with SVN Checkout TortoiseSVN	4			Č	使用 500示霉 扫描 Share with		•		
	UltraISO 添加到压缩文件(A) 添加到 "comdyn1_user2.rar" 压缩并 E-mail 压缩到 "comdyn1_user2 rar"	► (T)			 ✓ ✓	SVN Update SVN Commit TortoiseSVN UltraISO		•		
	Restore previous versions Include in library	•				添加到压缩文件(A) 添加到 "comdyn1_user2.rar"(T) 压缩并 E-mail				
	Cut Copy	,				压缩到 "comdyn1_ Restore previous ve Include in library	_user2.rar" 并 E-mail ersions			
	Create shortcut Delete Rename					Send to		•		

Example-User2 modify and commit

Windows7_OS (C:) 13spring test comdyn1_user2

New folder		
Name	Date modified	Type Size
]. svn	2013-04-12 9:38	File folder
🔊 ASSEM90	2013-04-12 9:30	C:\13spring\test\comdyn1 user2 - Commit - TortoiseSVN
🔊 DATAIN90	2013-04-12 9:30	
ELCAL90	2013-04-12 9:30	Commit to:
👩 FFI	2013-04-12 9:38	http://www.comdyn.cn:9880/comdyn-1/FFI.F90
🔊 GLOBALS	2013-04-12 9:30	Message:
STAP90.DSP	2013-04-12 9:30	Recent messages
STAP90.DSW	2013-04-12 9:30	modify for test 3
🔊 STAP90	2013-04-12 9:36	
🔊 stap90.in	2013-04-12 9:30	
STAP90	2013-04-12 9:30	
STAP90.OPT	2013-04-12 9:30	
STAP90.OUT	2013-04-12 9:30	
STAP90.PLG	2013-04-12 9:30	Changes made (double-click on file for diff):
测 STAP90使用说明	2013-04-12 9:30	Check: All None Non-versioned Versioned Added Deleted Modified Fi
💯 truss	2013-04-12 9:30	Path Extension Status Propert
		FFI.F90 .F90 modified

Show unversioned files

• \$

Example- showlog

Computer 🕨	Windows7_OS (C:) + 1	Bsprin	ig ▶ test ▶						
ᇘ Open	Include in library 🔻	Shar	e with 🔻 New fo	lder					
	Name	^		Date modified	Тур	De		Size	
;	comdyn1_user1 comdyn1_user2			2013-04-12 9:32	File	folde folde	er er		
ces	comdyn1_user3 stap90	≜ ⊘	Open Open in new window Scan with Microsoft 使用 360杀毒 扫描	N Security Essentials		olde olde	er er		
-		e P	Share with SVN Update SVN Commit		•	8= & 5	Show log Repo-brow Check for r	/ser modifications	
			TortoiseSVN UltraISO 添加到压缩文件(A) 添加到 "comdyn1_u 压缩并 E-mail 压缩到 "comdyn1_u	iser2.rar"(T) iser2.rar" 并 E-mail	Þ	 ⟨♣ ⟨↓ 	Revision gr Resolved Update to Revert Clean up Get lock	revision	
OS (C:)):) covery (O:)			Include in library Send to	sions	•	 ₽	Release loc Branch/tag	:k J	

Example- showlog

dows7_OS (C:) + 13spring + test +

de in library 👻 Share with 👻 New fol	der								
Name	Date mod	C:\13sprin	ig\test\comdy	n1_user2 -	Log Messages - Tort	toiseSVN	N		
comdyn1_user2	2013-04-1	y Messages	, Paths, Autho	rs, Revisions	, Bug-IDs, Date, Date	From	: 2013-04-12	▼ To:	20
comdyn1_user3	2013-04-1	Revision	Actions	Author	Date		Message		
🎒 stap90	2013-04-1	3	•	xxcui	2013年4月12日 9:3	3:46	modify for test 2		
		2	 • •	xxcui	2013年4月12日 9 2013年4月12日 9:1	3:07	modify for test Import the code of	step 90	
		Path	Action Action	Copy fi	rom path Revision				

▼ 4₇

Search

Example- show differences

puter ▶ Windows7_OS (C:) ▶ 13spring ▶ test ▶ comdyn1_user2 ▶

)pen 🔻	New folder						
	Name	*	Date modified		Туре	Size	
	📗 .svn		2013-04-12 9:39		File folder		
	assem90 🔊)	2013-04-12 9:30		FOR File	10	KB
	刻 DATAIN9	0	2013-04-12 9:30		FOR File	6	KB
	ELCAL90		2013-04-12 9:30		FOR File	9	KB
	🖉 FFI	Onen	2012 04 12 0 20		F90 File	11	KB
	🕖 GLOI	Edit			F90 File	3	KB
	🖉 STAF 🚬	Scan with Microsoft Security Es	contials		dspfile	5	5 KB
	🔊 STAF 🏴	Open with	seriuais		mdpfile	1	KB
	STAF 👩	体田 360 关表 扫描	,		FOR File	11	KB
	🖉 stap 🎽			L .	IN File	1	KB
	STAF C	SVN Update	h		VC++ Intellisense	41	KB
	🖉 STAF 🎮	SVN Commit		٩,	Diff with previous vers	ion	
		TortoiseSVN	•	<mark>≗</mark> ≅	Show log		
		UltraEdit-32		<u>a</u>	Repo-browser		
		添加到压缩文件(A)			Check for modifications		
C)	🖉 truss 🗃	添加到 "FFI.rar"(T)		R	Revision graph		
C.)		压缩并 E-mail		~	Undate to revision		
rv (O:)		压缩到 "FFI.rar" 并 E-mail			Rename		
9 (80)		Restore previous versions		2	Delete		
		Send to	►.	2			

Example- show differences

F90 - TortoiseMerge

Edit Navigate View Help

|| 🔗 ばり | 全 🖡 🌢 🐥 🔶 + 🔶 🔶 | 📲 🚽 🗢 × 🔳 ≠ 🖾 📱 | 🖸 | 🍞

FFI.F90 Revision 3			FFI.F90 : Working
1 module · FFI		-	1 module - FFI
	=	4	2 nodify for test 30
2 년		-	3
3 —→public.EchoOnScreen,.EchoOnFile			4>public.EchoOnScreen,.EchoOnFile√
4>public.OpenFile, CloseFile, InitFFI			5
5			6
6 —→public KevWord, pcomp			7>public KevWord, pcomp
7 년			84
8			9
9>private-line nb, nb word, nb read, ss, cmd line		1	0
10		1	1
11 d		1	2 4
12		1	3 → integer. oparameter:: onFiles = 89
13		1	4 → integer, parameter:::uFirst =:10
14 d		1	5 d
15 → character(20) ::: FileName(nFiles) → 'File name of every unite		1	6 → character(20) ·::·FileName(nFiles) →
16 → logical:::funit(nFiles) → → → ↓ Tata file unit is used:		1	$7 \longrightarrow logical ::: : funit (nFiles) \longrightarrow \longrightarrow$
17 d		1	8 년
18 → integer::::ior → !:input:file:unit		1	9 → integer::::ior → !:input:file:unit
19 —→integer::::iores→!:result:output:file:unite		2	0 → integer::::iores)!:result:output:fil
20 d		2	1 신
21 —→logical:::EchoOnScreen.=.false.e		2	2 → logical:::EchoOnScreen =:.false.
22 → logical:::EchoOnFile::false.d		2	3 → logical:::EchoOnFile:::=.false.d
23 d		2	4 신
24 → integer::::line_nb→!:current:line:number		2	5 → integer::::line_nb→!:current:line:
25 → integer::::nb word→!:word:left:in:one:line.:a:pointer:of:reading		2	6 → integer::: nb word→! word left:in:
26 → integer::::nb read →! word read in one line		2	7 → integer::: nb read →! word read in a
27 d		2	8 4
28 —→character(256) ·:: ·sss→! ·temporatory ·string		2	9 → character(256) ·:: ·sss → ! ·temporato
29 \rightarrow character(20)::::cmd line(15)		3	0 → character(20) ···:·cmd line(15)
30 ℓ		3	1
31 contains↓		3	2 contains
32 ∉		3	3 년
33 —→subroutine · InitFFI () ←		3	4> subroutine · InitFFI () ↓
34 !		3	5 !
		Ĭ	

Example-add file

dows7_OS (C:) 1	→ 13spring → test → comdyn	l_user1 ►	-	-	-	test > comdyn1_user1 >	
rint New fol	der		-			older	
Name Svn ASSEM90 DATAIN90 DATAIN90 ELCAL90 FFI GLOBALS Mew STAP90.0 STAP90.0 STAP90.0 STAP90.0 STAP90.0 STAP90.0 STAP90.0 STAP90.0 STAP90.0 STAP90.0	打开(O) 编辑(E) 新建(N) 打印(P) Scan with Microsoft Security	Date modified 2013-04-12 9:33 2013-04-12 9:18 2013-04-12 9:18 2013-04-12 9:18 2013-04-12 9:18 2013-04-12 9:18	Type File f FOR FOR FOR F90 I F90 I Micr dspf mdp FOR IN Fi VC+	e folder File File File File File file file file File File	Size 10 KB 6 KB 9 KB 11 KB 3 KB 0 KB 5 KB 1 KB 11 KB 1 KB 1 KB 1 KB 1 KB 1 KB 1 KB	Commit to: Recent messages add a file	N
STAP90.(STAP90.(STAP90.(STAP90.F STAP90/F STAP90/F truss	Open with 使用 360杀毒 扫描 TortoiseSVN UltraEdit-32 添加到压缩文件(A) 添加到 "new.rar"(T) 压缩并 E-mail 压缩到 "new.rar" 并 E-mail Restore previous versions Send to Cut Copy Create shortcut Delete	• •	OPT OUT QUT QUT QUT QUT S Q P H Q Q H Q Q H	File File Repo-browser Add Add to ignore list Rettings Help About	41 KB 54 KB 5 KB 64 KB 1 KB	Changes made (double-click on file for diff): Check: All None Non-versioned Versioned Adde Path Extension Stat Path Extension Stat Memory docx	