



FUNCIONALIDAD HERRAMIENTA

SUBVERSION Y DOXYGEN



REVISANDO LA FUNCIONALIDAD DE SUBVERSION

Este proyecto cuenta con un servidor de subversion donde el equipo de desarrollo de la empresa SISAR puede subir el codigo fuente y quedar disponible para cualquier integrante del equipo.

1. Instalacion del cliente subversion.

Primero debemos instalar el cliente de subversion en nuestro equipo. En este caso ocuparemos de Tortoise SVN como cliente y lo descargamos del siguiente link.

http://kddp.cl/utilitarios/TortoiseSVN-1.8.2.24708-x64-svn-1.8.3.msi

Lo ejecutamos e iniciamos el asistente y presionamos Next.





En esta ventana damos click en Next.

1	TortoiseSVN 1.8.2.24708 (64 bit) Setup
	Custom Setup Pick an install location and which features you want.
Click on the ice	Image: Solution in the tree below to change the way features will be installed. Image: TortoiseSVN Image: Additional icon sets command line client tools Image: Crash Reporter Image: Register diff/patch files Image: Solution register diff/patch file
Rese	et Disk Usage < Back Next > Cancel

Ahora presionamos Install para iniciar la instalacion del cliente Tortoise Svn.





Y por último presionamos Finish.

1	TortoiseSVN 1.8.2.24708 (64 bit) Setup	×
TortoiseSVN	Completing the TortoiseSVN 1.8.2.24708 (64 bit) Setup Wizard Click the Finish button to exit the Setup Wizard. Thanks for using TortoiseSVN. You can show your appreciation and support future development by donating!	3
	< Back Finish Cancel	



2. Uso del cliente Tortoise SVN.

Esta herramienta cliente, que ya se encuentra instalada en nuestro equipo, se integra dentro del explorador de Windows. Para usar este cliente, debemos hacer clic con el botón derecho en cualquier carpeta o archivo y seleccionamos algun comando del menú TortoiseSVN.

Port	apa	🔒 Cliente	C_KD	DP 03,
	Abrir		h -	10,
	Abrir en una ventana nueva		L .	04,
	Anclar a Inicio		L .	10,
	AIMP3	•		06,
	Compartir con	+	Ŀ	06,
2	SVN Checkout			
۲	TortoiseSVN	۱.	<u>R</u>	Repo-browser
0	Analizar Proyectos		B	Export
	Incluir en biblioteca	•	ď	Create repository here
W	Analizar		a	Import
W	Destruir		r	Settings
1	Añadir al archivo		3	Help
	Añadir a "Proyectos.rar"			About
	Añadir y enviar por email			

Vamos a descargar y actualizar un proyecto de ejemplo en servidor disponible. Para ello seleccionamos la carpeta con nuestros archivos y presionamos con el boton derecho y en el menu de Tortoise SVN pinchamos SVN Checkout.

	Abrir Abrir en una ventana nueva Anclar a Inicio	ebaiel
	AIMP3 > Compartir con >	Vista
ß	SVN Checkout	Nombre
	TortoiseSVN Analizar Cliente C KDDP	Cliente_C_KDDP
	Incluir en biblioteca	퉬 html 길 Includes
()	Analizar Destruir	Iatex Proyectos
	Añadir al archivo	🔠 index





En esta ventana nos conectamos al servidor para descargar el proyecto y presionamos ok.

*	Checkout	×				
Repo	ository of repository:					
0	https://201.214.84.224:8443/svn/sisar1 v					
Cheo	Checkout directory:					
C:\	AppServ\www\KDDP\Cliente_C_KDDP\sisar1					
M	Aultiple, independent working copies					
Chec	ckout Depth					
Fully	y recursive	¥				
	Omit externals Choose items					
Revi	sion					
۱	IEAD revision					
OR	Revision Show log					
	<u>O</u> K Cancel Help					

La url del servidor es https://201.214.224:8443/svn/sisar1

Ahora nos pedirá el usuario y password los cuales estan en su poder.

<i>*</i> A	uthentication	×			
<https: 201.214<="" td=""><td>.84.224:8443> VisualSVN Server</td><td></td></https:>	.84.224:8443> VisualSVN Server				
Requests a	username and a password				
Username:					
Password:					
Save authentication					
	<u>O</u> K Cano	el			



Aquí nos muestra que se descargó el proyecto con sus archivos.

1	8	Checkout Finished! – 🗖	×
	Action	Path	Mim
	Command Updating Added Added Completed	Checkout from https://201.214.84.224:8443/svn/sisar1, revision HEAD, Fully recursive, Externals included C:\AppServ\www\KDDP\Cliente_C_KDDP\sisar1 C:\AppServ\www\KDDP\Cliente_C_KDDP\sisar1\festino.php C:\AppServ\www\KDDP\Cliente_C_KDDP\sisar1\revision.txt At revision: 9	
	<		>
	Added:2	<u>Q</u> K Cancel	

Ahora nos corresponde subir informacion a este proyecto. En la carpeta que nos descargó, ingresamos los archivos o carpetas que queremos que el equipo de desarrollo las descargue e intervenga.





En este caso, dejaremos en esta carpeta un archivo nuevo llamado filtro de imágenes y posteriormente lo subiremos al servidor.



Ahora en la carpeta donde tenemos nuestros archivos, presionamos el boton derecho y seleccionamos SVN Commit.

	Abrir	Cliente_C_KDDP
	Abrir en una ventana nueva Anclar a Inicio	Vista
	AIMP3	:) ► AppServ ► www ► KDDP ► Cliente_C_F
(SVN Update	3 100mbre 201
@	SVN Commit	🌗 Calendario
-	TortoiseSVN	🔒 css
9	Analizar sisar1	🕌 imagen 🌆 js
_	, , , , , , , , , , , , , , , , , , ,	🗹 🎍 sisar1



En el recuadro de mensaje, dejamos los comentarios necesarios para que el equipo de desarrollo pueda entender de que se trata el codigo o dejar indicaciones de lo que se debe avanzar para modificar. En el recuadro de abajo se seleccionan los archivos a subir. Presionamos ok.

Recent messages		A new version ht	n of TortoiseSVN is av tp://tortoisesvn.net t	ailable. Please go to to get it.				
Estoy subiendo un nuevo archivo de filtro de imagenes, para que el grupo de 🛛 trabajo lo revise y modifique si es necesario.								
Daniel <u>Yañez</u> .								
Daniel Xañez.								
nanges made (double-dick on fil	e for diff):							
hanges made (double-click on fil heck: All None Non-ver s	e for diff): sioned Vers	ioned Added De	eleted Modified	Files Directories				
hanges made (double-dick on fil heck: All None Non-ver s Path	e for diff): sioned ∀ers Extension	ioned Added De Status	eleted Modified Property status	Files Directories				
nanges made (double-click on fil heck: All None Non-ver Path I filtro de imagenes.txt	e for diff): sioned Vers Extension .txt	ioned Added De Status non-versioned	eleted Modified Property status	Files Directories				
hanges made (double-click on fil heck: All None Non-vers Path I filtro de imagenes.txt	e for diff): sioned Vers Extension .txt	ioned Added De Status non-versioned	eleted Modified Property status	Files Directories	>			



Para terminar, presionamos ok.

1	8	Commit Finish	ed!			×
	Action Command Adding Sending content Completed	Path Commit C:\AppServ\www\KDDP\Cliente_C_KDDP\sisar1\filtro C:\AppServ\www\KDDP\Cliente_C_KDDP\sisar1\filtro At revision: 10	o de imagenes.txt o de imagenes.txt	Mime type	Z	
	Added: 1	1	<u>M</u> erge	<u>0</u> K	Ca	incel

Tambien el equipo de desarrollo tiene la opcion de consultar via web los archivos que se han publicado. Para ello nos dirigimos al siguiente link

https://201.214.84.224:8443/svn/sisar1

Seleccionamos Vaya a este sitio web.





Nos pide autenticacion, que son los mismos datos de acceso que se ocupan en el cliente Tortoise SVN.

UE AEUUIUGU	Seguridad de Windows	×
iexplore El servidor 201 usuario y una	.214.84.224 en VisualSVN Server requiere un nombre de contraseña.	
P	Nombre de usuario Contraseña Recordar mis credenciales	
	Aceptar Cancela	ır

Ahora visualizamos los archivos para ser descargados en nuestro equipo.





Veamos el nuevo archivo que subimos.

← ↔ 6 https://201.214.84.224:8443/svn/sisar1/filtro%20de%20imagenes.txt	🔎 👻 😵 Error de certificado 🖒	6 201.214.84.224
Filtro de imagenes vl		

La otra forma de descargar el nuevo archivo publicado, es realizando un Update en nuestra carpeta de proyecto, suponiendo que soy un nuevo desarrollador.

	Abrir	1		Vista							
	Abrir en una ventana nueva	:)	F	AppServ	►	www	►	KDDP	Þ	Clien	te_C_K
	Anclar a Inicio	┢	Me	mbre		-					
	AIMP3 Compartir con	ľ		201 Calenda	rio						1
6	SVN Update		ň	CSS							(
@	SVN Commit			imagen							(
-	TortoiseSVN •			js							(
0	Analizar sisar1	✓	2	sisar1							1

Aca nos informa que se ha descargado el nuevo archivo. Presionamos ok.

æ	Update Finished!			- 🗆 🗙		
Action	Path	Mime typ	e			
Command Updating Restored Completed	Update C:\AppServ\www\kDDP\Cliente_C_KDDP\sisar1 C:\AppServ\www\kDDP\Cliente_C_KDDP\sisar1\filtro de i At revision: 10	magenes. txt		5		
Restored: 1		Show <u>log</u>	<u>о</u> к	Cancel		



REVISANDO LA FUNCIONALIDAD DE DOXYGEN

Este programa de documentacion automatica de codigo, es necesario que se instale en los equipos de los responsables de esta función.

1. Instalacion de Doxygen.

Primero debemos descargar Doxygen en nuestro equipo. Lo descargamos del siguiente link. <u>http://kddp.cl/utilitarios/doxygen-1.8.5-setup%20(1).exe</u>

Ejecutamos el archivo e iniciamos el asistente. Presionamos Next.

18	Setup - doxygen 🛛 🗕 🗖 🗙
	Welcome to the doxygen Setup Wizard
	This will install doxygen 1.8.5 on your computer.
	It is recommended that you close all other applications before continuing.
	Click Next to continue, or Cancel to exit Setup.
	Next > Cancel





Aceptamos los terminos de licencia.

15	Setup - doxygen 🗧		×
	License Agreement Please read the following important information before continuing.	0	J
	Please read the following License Agreement. You must accept the terms of this agreement before continuing with the installation.		
	GNU GENERAL PUBLIC LICENSE Version 2, June 1991	^	
	Copyright (C) 1989, 1991 Free Software Foundation, Inc. 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.		
	Preamble		
	The licenses for most software are designed to take away your	~	
	 I accept the agreement I do not accept the agreement 		
	< Back Next >	Cano	el

Dejamos tal cual la ruta de instalacion.

6	Setup - doxygen 🛛 🗕 💌
	Select Destination Location Where should doxygen be installed?
	Setup will install doxygen into the following folder.
	To continue, dick Next. If you would like to select a different folder, dick Browse.
	C:\Program Files\doxygen Browse
	At least 0,8 MB of free disk space is required.
	< Back Next > Cancel

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Seleccionamos todos los componentes.

13	Setup - doxygen		×			
9	Select Components Which components should be installed?					
	Select the components you want to install; dear the components you do n install. Click Next when you are ready to continue.	ot want to				
	Full Installation	×				
	✓ doxygen Core Installation	0,1 MB				
	✓ doxywizard GUI	5,9 MB				
	✓ doxygen manual (HTML)	6,6 MB				
	✓ doxygen manual (compressed HTML)	2,1 MB				
	✓ doxygen Example Projects	5,0 MB				
Current selection requires at least 56,2 MB of disk space.						
	< Back Next >	Cano	el			

Aquí dejamos tal cual, presionamos Next.

😼 Setup - doxygen 🗕 🗆	x						
Select Start Menu Folder Where should Setup place the program's shortcuts?	Z						
Setup will create the program's shortcuts in the following Start Menu folder.							
To continue, click Next. If you would like to select a different folder, click Browse.	To continue, click Next. If you would like to select a different folder, click Browse.						
doxygen Browse							
Don't create a Start Menu folder							
< Back Next > Cancel							



Ahora presionamos Install.

15 Setup - doxygen -	
Ready to Install Setup is now ready to begin installing doxygen on your computer.	3
Click Install to continue with the installation, or click Back if you want to review or change any settings.	
Destination location: C:\Program Files\doxygen	
Setup type: Full Installation	
Selected components: doxygen Core Installation doxywizard GUI doxygen manual (HTML) doxygen manual (compressed HTML)	
doxygen Example Projects	
< Back Install Cancel]
😼 Setup - doxygen 🗕 🗆 🗙	
Setup - doxygen - × Information Please read the following important information before continuing. ×	
Setup - doxygen – × Information Please read the following important information before continuing. × When you are ready to continue with Setup, dick Next.	
Setup - doxygen - × Information Image: Setup - doxygen Image: Setup - doxygen When you are ready to continue with Setup, dick Next. Image: Setup - doxygen Image: Setup - doxygen Doxygen Image: Setup - doxygen Image: Setup - doxygen Image: Setup - doxygen Doxygen is the de facto standard tool for generating documentation from annotated C++ sources, but it also supports other popular programming languages such as C, Objective-C, C#, PHP, Java, Python, IDL (Corba, Microsoft, and UNO/OpenOffice flavors), Fortran, VHDL, Td, and to some extent D.	
Setup - doxygen - - × Information Please read the following important information before continuing. Image: Continue with Setup, click Next. When you are ready to continue with Setup, click Next. Doxygen Image: Continue with Setup, click Next. Doxygen Doxygen is the de facto standard tool for generating documentation from annotated C++ sources, but it also supports other popular programming languages such as C, Objective-C, C#, PHP, Java, Python, IDL (Corba, Microsoft, and UNO/OpenOffice flavors), Fortran, VHDL, Td, and to some extent D. Doxygen can help you in three ways: Doxygen can help you in three ways:	
Setup - doxygen - Information Please read the following important information before continuing. When you are ready to continue with Setup, click Next. Doxygen ====== Doxygen is the de facto standard tool for generating documentation from annotated C++ sources, but it also supports other popular programming languages such as C, Objective-C, C#, PHP, Java, Python, IDL (Corba, Microsoft, and UNO/OpenOffice flavors), Fortran, VHDL, Td, and to some extent D. Doxygen can help you in three ways: 1. It can generate an on-line documentation browser (in HTML) and/or an off-line reference manual (in LaTeX) from a set of documented source files. There is also support for generating output in RTF (MS-Word), PostScript, hyperlinked PDF, compressed HTML, Docdox and Unix man pages. The documentation is extracted directly from the sources, which makes	



Por ultimo, presionamos Finish,

15 ¹	Setup - doxygen 🛛 🗕 🗆 🗙
	Completing the doxygen Setup Wizard
	Setup has finished installing doxygen on your computer. The application may be launched by selecting the installed icons.
	Click Finish to exit Setup.
	< Back Finish



2. Generando documentacion.

Ahora iniciamos el programa llamado Doxywizard.





Nos aparece el asistente.

En la seccion 1, seleccionamos la carpeta que continene nuestro proyecto codigo. En la seccion 2, en Source doce directory elejimos la misma ruta de la seccion 1. Damos Next.

8	Doxygen GUI frontend + -							
File Settings Help								
Step 1: Specify the working directory from w	hich doxygen will run							
C:/AppServ/www/KDDP/Cliente_C_KDDP/sit	sar1 Select							
Step 2: Configure doxygen using the Wizard and/or Expert tab, then switch to the Run tab to generate the documentation								
Wizard Expert Run								
Topics	Provide some information about the project you are documenting							
Project								
Mode Output	Project name: My Project							
Diagrams	Project synopsis:							
	Project version or id:							
	Project logo: Select							
	Specify the directory to scap for source code							
	spearly the directory to sear for source code							
	Source code directory: v/KDDP/Cliente_C_KDDP/sisar1 Select							
	Scan recursively							
	Specify the directory where doxygen should put the generated documentation							
	Destination directory: . Select							
	Designe							
	Previous							



Aca seleccionamos la optimizacion según el lenguaje del desarrollo de SISAR. Damos Next.

8	Doxygen GUI frontend + -								
File Settings Help									
tep 1: Specify the working directory from which doxygen will run									
C:/AppServ/www/KDDP/Cliente_C_KDDP/sisa	C:/AppServ/www/KDDP/Cliente_C_KDDP/sisar1 Select								
tep 2: Configure doxygen using the Wizard and/or Expert tab, then switch to the Run tab to generate the documentation									
Wizard Expert Run									
Topics Project Mode Output Diagrams	Select the desired extraction mode: Documented entities only All Entities Include cross-referenced source code in the output Select programming language to optimize the results for Optimize for C++ output Optimize for C++/CLI output Optimize for Java or C# output Optimize for C or PHP output Optimize for Fortran output Optimize for VHDL output 								
	Previous								

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Aca dejamos tal cual. Damos Next.

File Settings Help							
Step 1: Specify the working directory from which doxygen will run							
C:/AppServ/www/KDDP/Cliente_C_KDDP/sisar1 Select							
Step 2: Configure doxygen using the Wizard and/or Expert tab, then switch to the Run tab to generate the documentation							
Wizard Expert Run							
Topics	Coloret the autout format/a) to apparents						
Project	First HTML						
Mode							
Diagrams							
biograms	 with navigation panel 						
	 prepare for compressed HTML (.chm) 						
	✓ With search function						
	Change color						
	✓ LaTeX						
	as intermediate format for hyperlinked PDF						
	as intermediate format for PDF						
	○ as intermediate format for PostScript						
	Man pages						
	Rich Text Format (RTF)						
	XML						
	Previous	Next					



Ell'esta ventana no mounicamos naua y nos vamos a la	a vineta R	UN.
--	------------	-----

Step 1: Specify the working directory from w	hich doxygen will run	
C:/AppServ/www/KDDP/Cliente_C_KDDP/sis	ar 1	Select
Step 2: Configure doxygen using the Wizard	and/or Expert tab, then switch to the Run tab to generate the docum	entation
Wizard Expert Run		
Topics	Diagona ha anna ha	
Project		
Mode		
Diagrams	Use built-in class diagram generator	
	Use dot tool from the GraphViz package	
	Dot graphs to generate	
	 Class diagrams Collaboration diagrams Overall Class hierarchy 	
	Collaboration diagrams	
	✓ Overall Class hierarchy	
	Include dependency graphs	
	Included by dependency graphs	
	Call graphs	
	Called by graphs	
	Previous	Next



Aquí presionamos Run Doxygen.

<i>S</i>	Doxygen GUI frontend +		- • ×
File Settings Help			
Step 1: Specify the working direct	ory from which doxygen will run		
C:/AppServ/www/KDDP/Cliente_	C_KDDP/sisar1		Select
Step 2: Configure doxygen using	the Wizard and/or Expert tab, then switch to the Run t	ab to generate the dog	umentation
Wizard Expert Run			
Run doxygen Status: not ru	nning	Show configuration	Save log
Output produced by doxygen			
# Doxyfile 1.8.5			~
# Droject related con	figuration options		-
‡			
DOXYFILE_ENCODING	= UTF-8		
PROJECT_NAME	= "My Project"		
PROJECT_NUMBER	=		
PROJECT_BRIEF	=		
PROJECT_LOGO	=		
OUTPUT_DIRECTORY	=		
CREATE_SUBDIRS	= NO		
OUTPUT_LANGUAGE	= English		
BRIEF_MEMBER_DESC	= YES		
REPEAT_BRIEF	= YES		
ABBREVIATE_BRIEF	= "The \$name class" \		
	"The \$name widget" \		
	"The \$name file" \		



Nos muestra que ha finalizado. Vemos nuestra documentacion presionando Show HTML Output.

/AppServ/www/KDDP/Cliente_C_KDDP/sisar1		elect
ep 2: Configure doxygen using the Wizard and/or Expert tab, then swit Wizard Expert Run	ch to the Run tab to generate the documenta	ition
Run doxygen Status: not running	Show configuration Save	log
Dutput produced by doxygen		
Generating group documentation		~
Generating class documentation		
Generating namespace index		
Generating graph info page		
Generating directory documentation		
Generating index page		
Generating page index		
Generating module index		
Generating namespace index		
Generating namespace member index		
Generating annotated compound index		
Generating alphabetical compound index		
Generating hierarchical class index		
Generating member index		
Generating file index		
Generating file member index		
Generating example index		
finalizing index lists		
lookup cache used 0/65536 hits=0 misses=0		- 16
finished		
*** Doxygen has finished		
		×



Nos envia al navegador donde podremos revisar toda la documentacion de nuestro codigo que tengamos.



Para mas detalle puede connsultar los siguientes enlaces.

Tortoise SVN http://tortoisesvn.net/

Doxygen http://www.stack.nl/~dimitri/doxygen/manual/index.html