

I.

(SCM)

- 1. SCM ?
- 2. SCM
- 3. SCM
 - 3.1
 - 3.2
 - 3.3 Build
 - 3.4
 - 3.5
- 4. SCM TOOL
- 5. SCM
- 6.
- 7. SCM

(SCM)

Case Study

- 1. SCM 가
 - 1.1
 - 1.2
 - 1.3
- 2. SCM Tool
 - 2.1 NTT () CONCORD 가
 - 2.2 SDS
- 3. SCM Tool
 - 3.1
- 4. SCM Tool (PVCS)
- 5. SCM
 - 5.1 SI
 - 5.2 SM
- 6. SCM

I.

(Configuration Management)

가

가

OS

가

가

(SCM)

SDS

(Software Configuration Management)

SCM

1. SCM ?

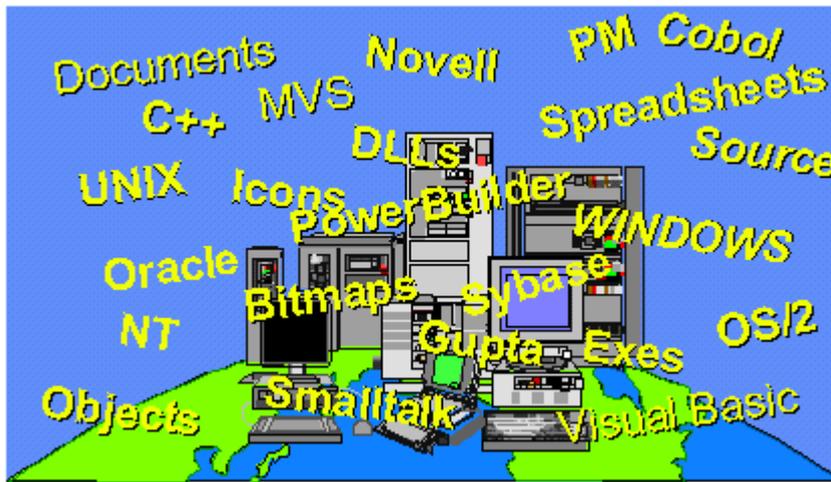
(SCM)

Infrastructure

가

Action

2. SCM

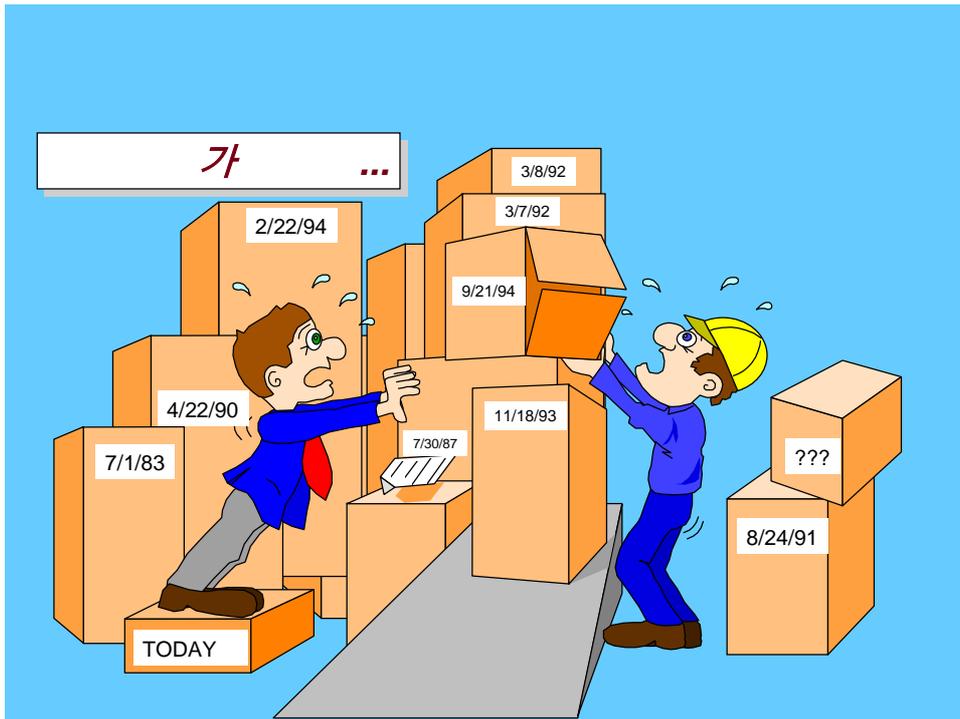


OS

(Window Unix),

가

1)



가

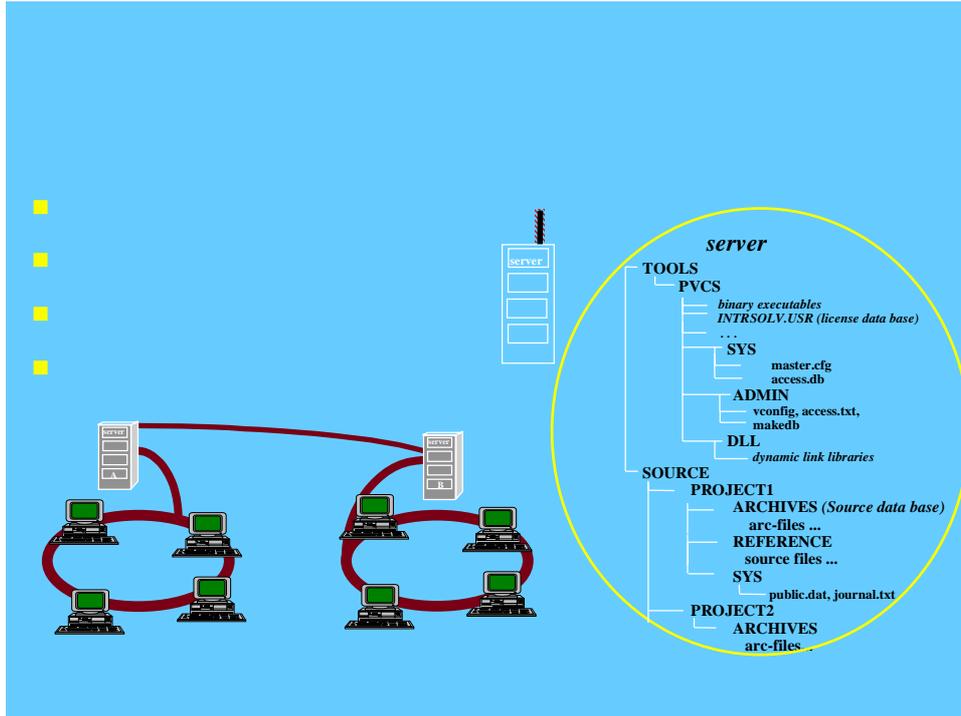
가

가 , 1

가

가

2) 가



가

가

가

(?)

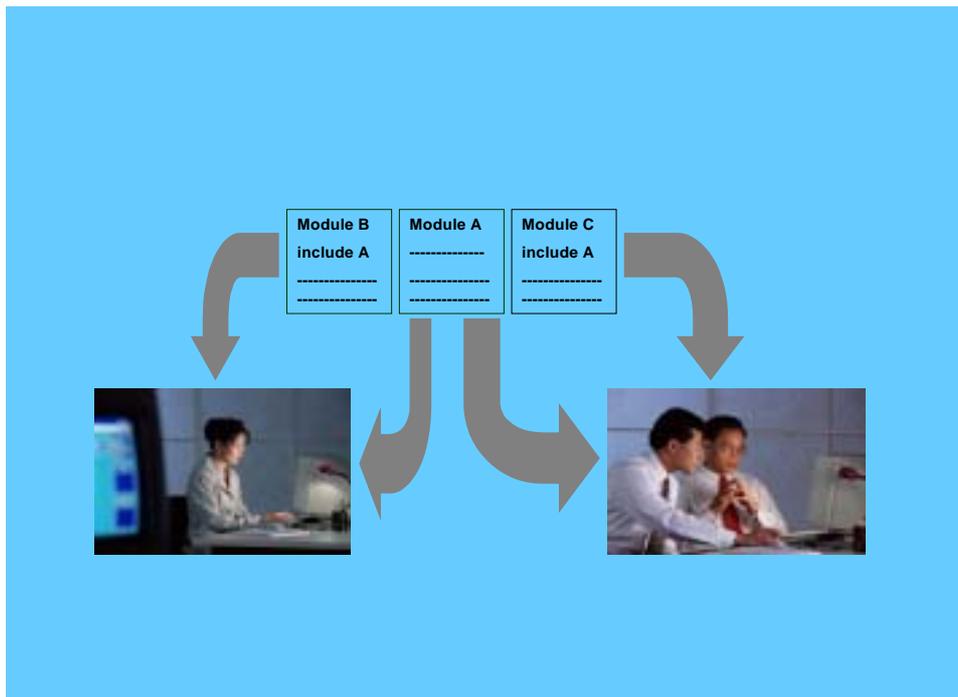
가

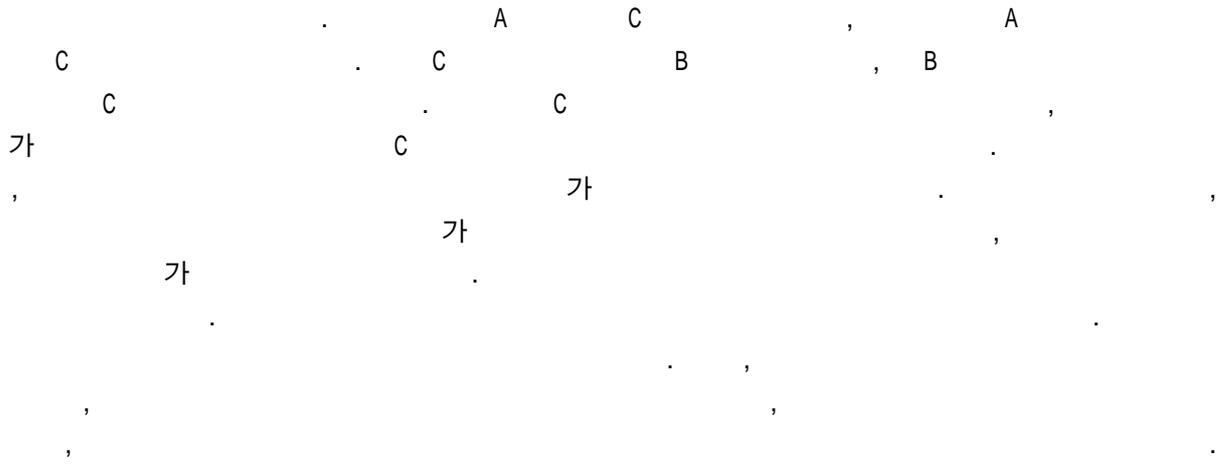
가

가

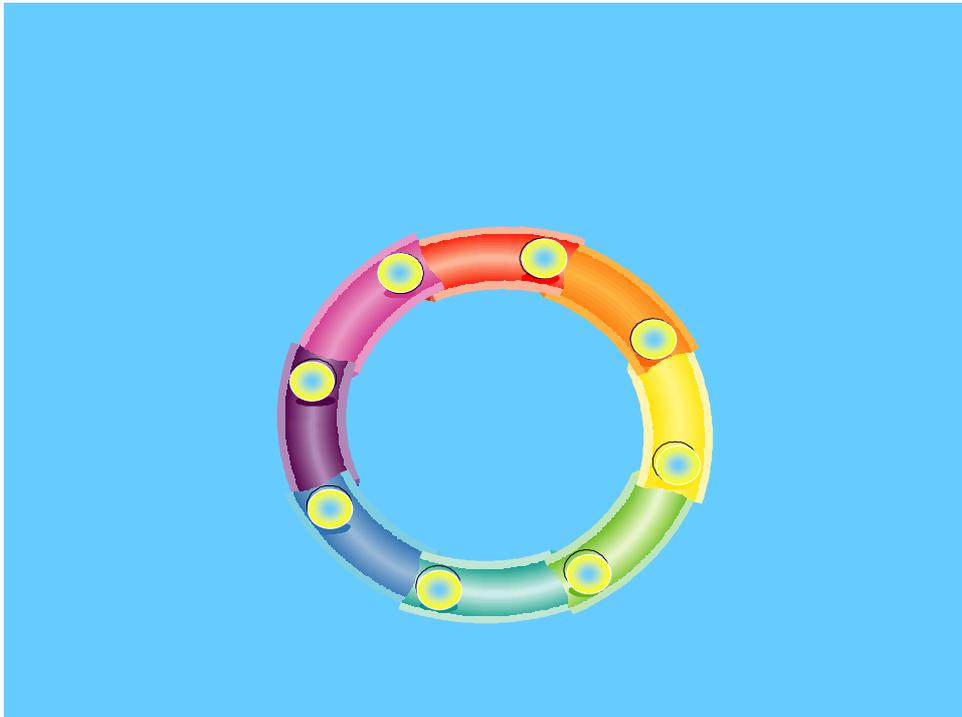
3)

가





4) 가 FIX

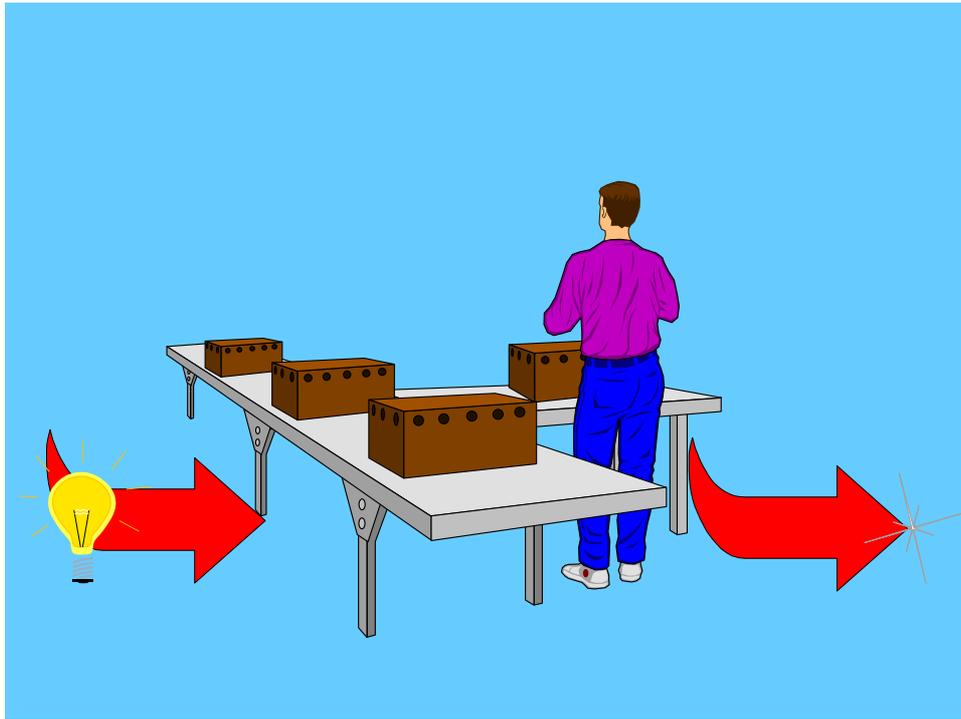


가 , , 가 , , 100% , , ?

가 , , 가 , ,

가

5)



가

가

가

가

. 5
. 5

가 5

가

?

가

가

3. SCM

SCM

가

SCM

3.1

source

, Archiving

source

Archive

history

source

source

source가

가 가

3.2

가

가 가

source

source

source

3.3 Build

make

build

time stamp

build가

FootPrinting

3.4

release

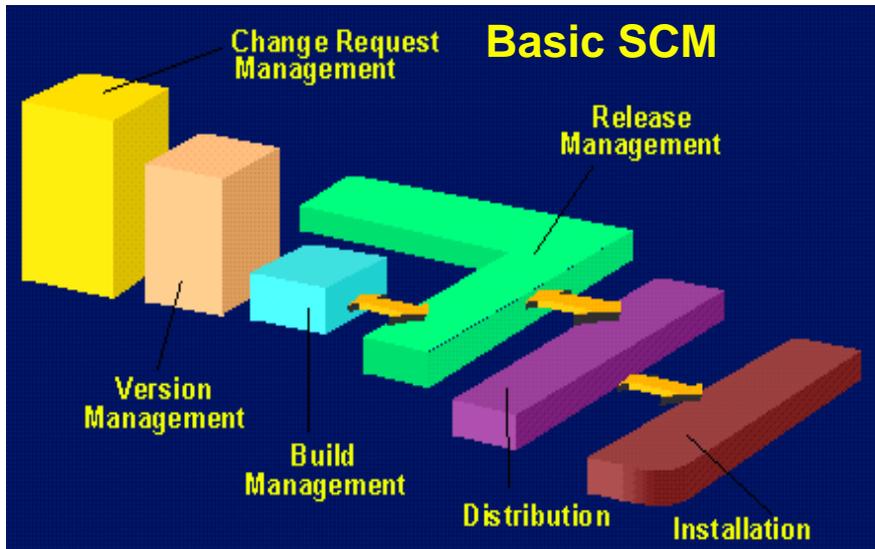
3.5

. (Version Manager)

, Release

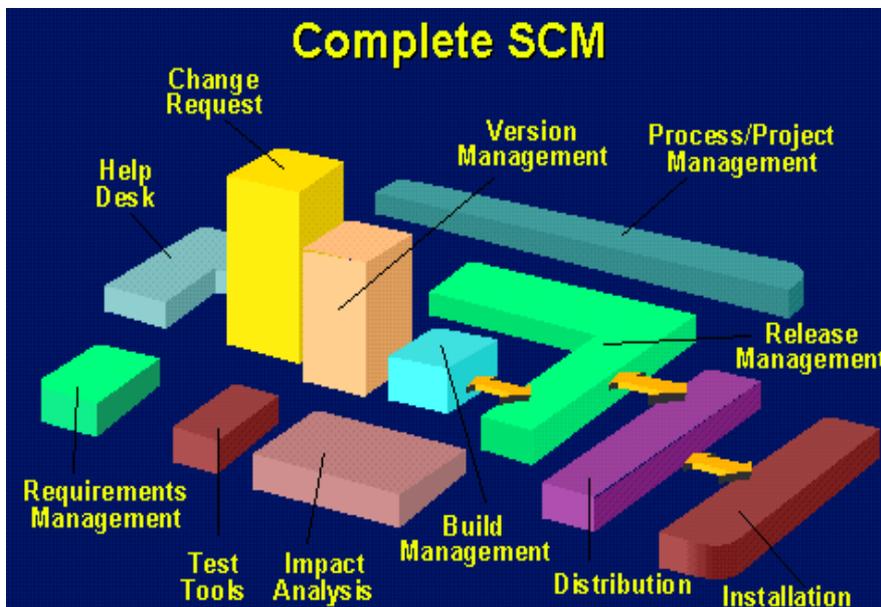
, Build

6가



가?

6가 가 Help Desk , , Impact (), Process/Project 가 .



(Requirements Management)

Document

Help Desk

Call Desk

Testing

(Impact Analysis)

가

Process/Project

4. SCM TOOL

	Lower-End	-	Visual Source Safe (MS)
	Higher-End	- Build - Promotion / - /	- Visual Enabler (Softlab) - PVCS (Intersolv) - Sourceintegrity (MKS) - StarTeam (StarBase) - ClearCase (Rational) - Deliverables Manager (LBMS) ->
	- SCM - - - (, ,) Work-Flow	가	- Continuus/CM (Continuus) - CCC/Harvest (Platinum) - PCMS (SQL Software) * PCMS->PVCS Dimensions

5. SCM

- SCM(Software Configuration Management)

SCM

Infrastructure

가

Utilities

, Build,

SCM

가

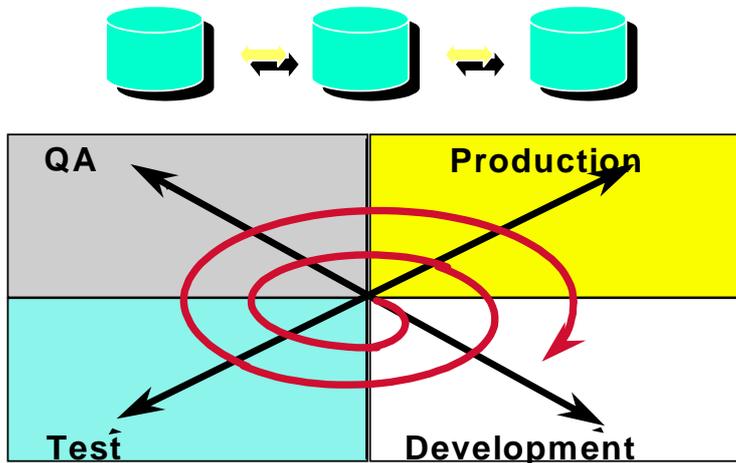
(Software Configuration Item: SCI)

- 1) : / ,
- 2) TOOL : , , /
- 3) Source Code : Source Module, JCL, Compile Option
Object Module, Load Module,
- 4) : , ,

가

(Baseline) 가

Promotion
가



PM, 가
QA
가

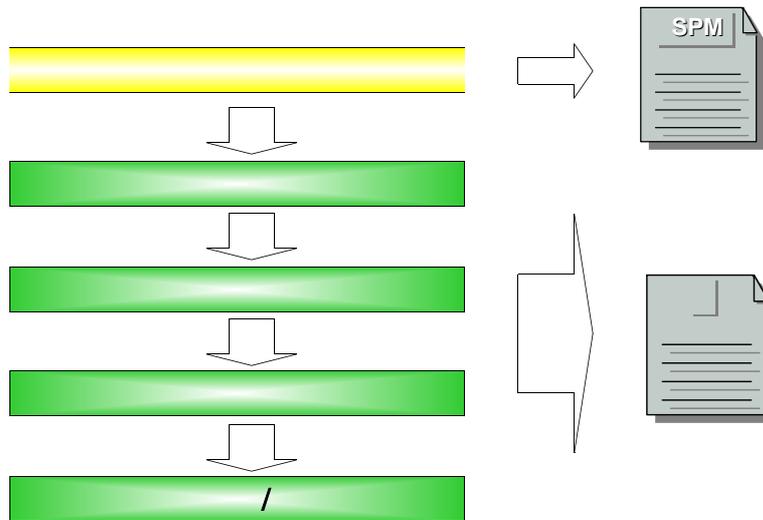
[]

- PM PL : SCM

- QAO : SCM / , / / .
- Admin : SCM TOOL , ,
- :
- : / / ,

6. (SCM)

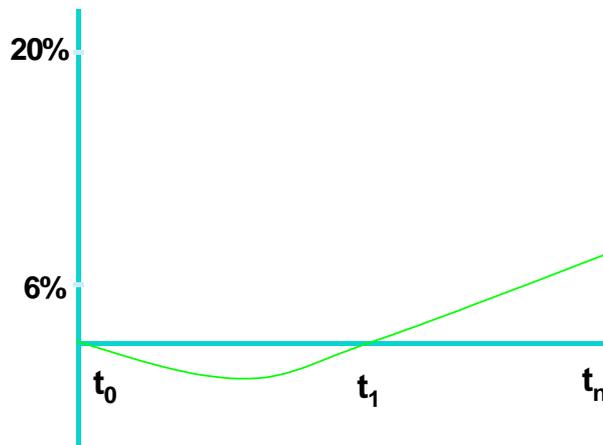
SCM



7. SCM

SCM

가



SDS

Case Study

1. SCM

가

1.1

SDS

SDS

ISO

SDS

"INNOVATOR"

가

, '99.1

97-98

(Linked

)

/ / ()
가

: [01_98.GUL](#)
[01.GUL](#)

1.2

CMM, SPICE

가 가 "

(SCM)"

, ISO 9000, ISO 12207,

SDS

가

1.3

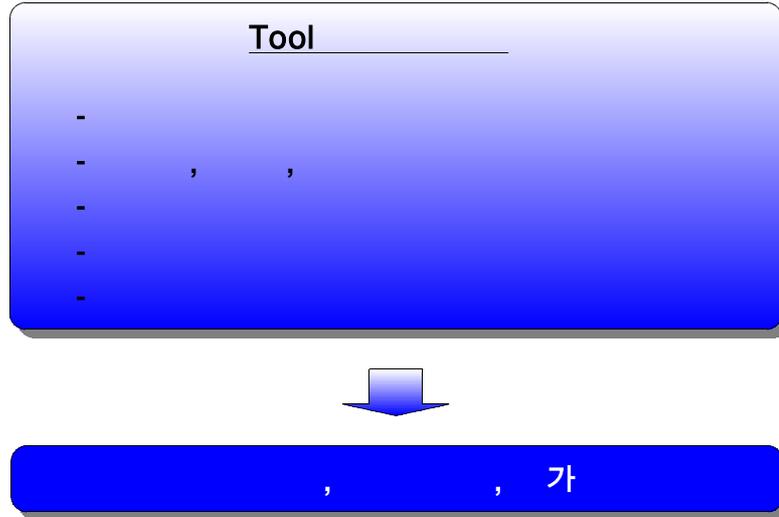
(S/W)

()==>

가

가

()==>



2. SCM Tool

SDS

INTERSOLV) PVCS

가

NTT

()

MERANT (

(Linked file)

2.1 NTT () CONCORD 가

NTT () 「 」 SW

가 가가

NTT가

NTT , CONCORD(CONfiguration COntRol for Document management system) NTT

CONCORD 가

: [02_1_NTT_CONCORD.GUL](#)

2.2 SDS

1)

SDS . 가 / , / ,
 S/W , .
 , ' , ' ,
 SDS ()
 , / /
 / /

SI / S/W	- 가 가 - 가	TOOL	
SM	- QS - SM	TOOL	* SM Paper less
TOOL 가	- TOOL -	TOOL /	
TOOL	- - 가	1) 1 TOOL 2) ,	

/ /	-		
	- 가	- 1 : - 2 :	* PVCS, ClearCase 2
C/S Mainframe NEED	- Y2K 가 TOOL	Mainframe) Computer Association "Endevor/MVS"	* Y2K TOOL 가

SDS

Data Format,

Back

가

2)

4

	PVCS V.5.0	ClearCase V.3.2	Source Safe V.5.0	Softbench CM
	- Windows, Win95, NT, OS/2, DOS, UNIX - LAN Stand Alone	- :UNIX, NT -CLIENT:Windows,NT ,Win 95	- : NT, Win 95 -CLIENT:NT, Win 95	- :UNIX, (NT) - CLIENT:Windows, Win 95
	- Version Manager - Configuration Builder - Production Gateway - Developer's Toolkit - REPORTER - TRACKER	- ClearCase - ClearCase Attache - ClearCase Multisite - ClearGuide, ClearDDTS, ClearQuest	- Visual Source Safe - (Free) -ADD-IN FOR OFFICE97 -Back-Up -COMMAND LINE -History Report	- CM System - CM Plan

- ISO 9001	- ISO 9001	- ISO 9001	- ISO 9001
- ,	- ,	- ,	- ,
- 가 (Delphi, VISUAL BASIC...)	- (P/B, VISUAL BASIC ...)	- MS , MS WORD, EXCEL ...	- HP-UX, Solaris, WIN95, NT
- 가	-	- (In Visual Basic / C++)	- /
- LAN StandAlone 가	- P/B WINDOW	-	- Delta Compression
- Delta Compression	- /	- Delta Compression	
	- Delta Compression		

3)

	'98			'99		2000	
	6	7 9	10 12				
1. TOOL							-
2. SITE							-
3.							
4. 가							* 3 TOOL 가
5. /							*
6. TOOL - SI, SM,			12	1	2		

4)

가)

)

/ 가 .

- > 1) SI : - -
- 2) Package : - -
- > 1) : H/W , OS, (Powerbuilder, Delphi, Visual Basic,...)
- 가 > ClearCase, CCC/Harvest, PVCS, VSS

가 SI , - -

)

- 6 7 : , , SITE (4)
- 7. 7 7.25 : (3)
- 7.27 8. 7 :

: [02 2 \(\) .GUL](#)

5)

(ISO 9001 : Section 6.1)

SDS

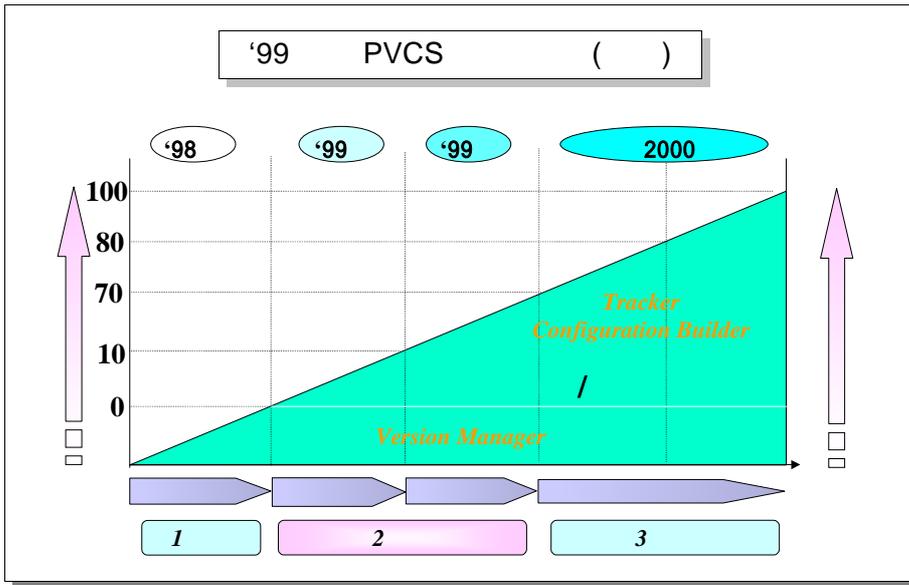
Paper less /
SW

: [02 3_CM .GUL](#)

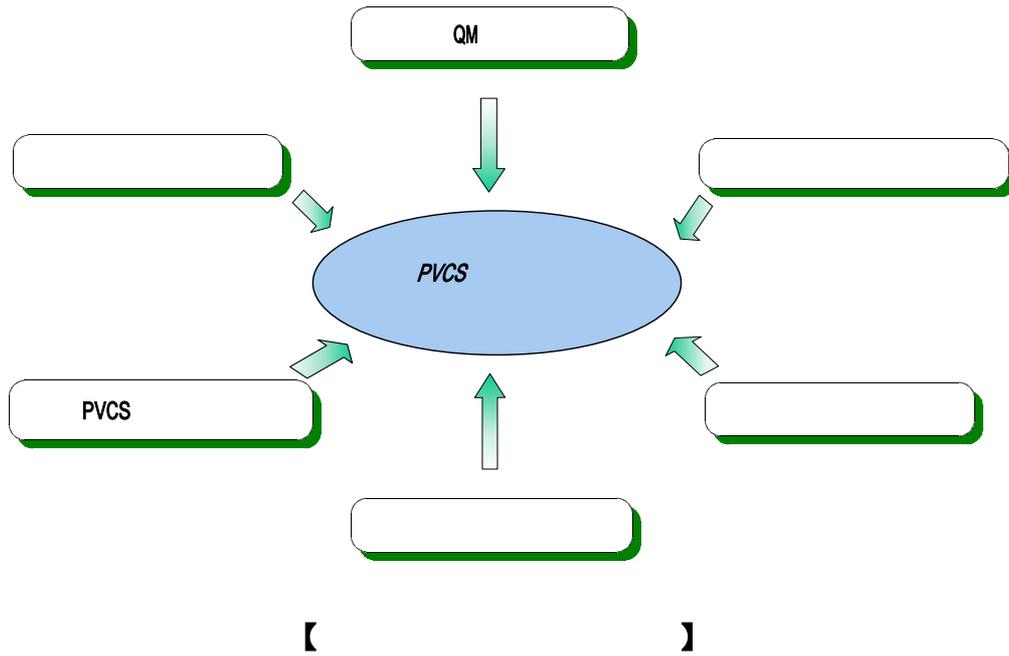
3. SCM Tool

3.1

SDS MERANT(INTERSOLV) PVCS



	1/4	2/4	3/4	4/4	'99
	-PVCS - :15	-PVCS (VM) : (325)	-PVCS (VM) : (175)	-PVCS (VM) -(175)	- 675
	- (SI/IS) :Pilot	- -		-	- :30 - :10
	- 가 - 가	-M-QAO -Q&A	-Q&A -		- 가() : 15 : 50
		- -QM / -	-가 / -	- 가: -QM	- : , SI : SI/IS 70%
		-	-	-	- : 100



4. SCM Tool (PVCS)

/

SDS

1) -- : [03_1_.GUL](#)

가

2) -- : [03_2_PVCS_.GUL](#)

Map,

3)

PVCS

PVCS

PVCS

Directory

(PVCS Version Manager 6.0)

- SCM -----> [VM- 1.PPT](#)
- PVCS Version Manager -----> [VM- 2.PPT](#)
- PVCS Version Manager -----> [VM- 3.PPT](#)
- VM -----> [VM- 4.PPT](#)
- > [VM- 5.PPT](#)
- > [VM- 6.PPT](#)
- VM Report -----> [VM- 7.PPT](#)

4) 가 -- : 03 3_PVCS .GUL

5) -- : 03 4_PVCS .GUL
03 5_PVA- .GUL

가

5. SCM

SDS

SI, SM

가

PVCS

가

5.1 SI -- : 04 0_ SCM .DOC
04 1- PVCS .PPT

SI

SCM

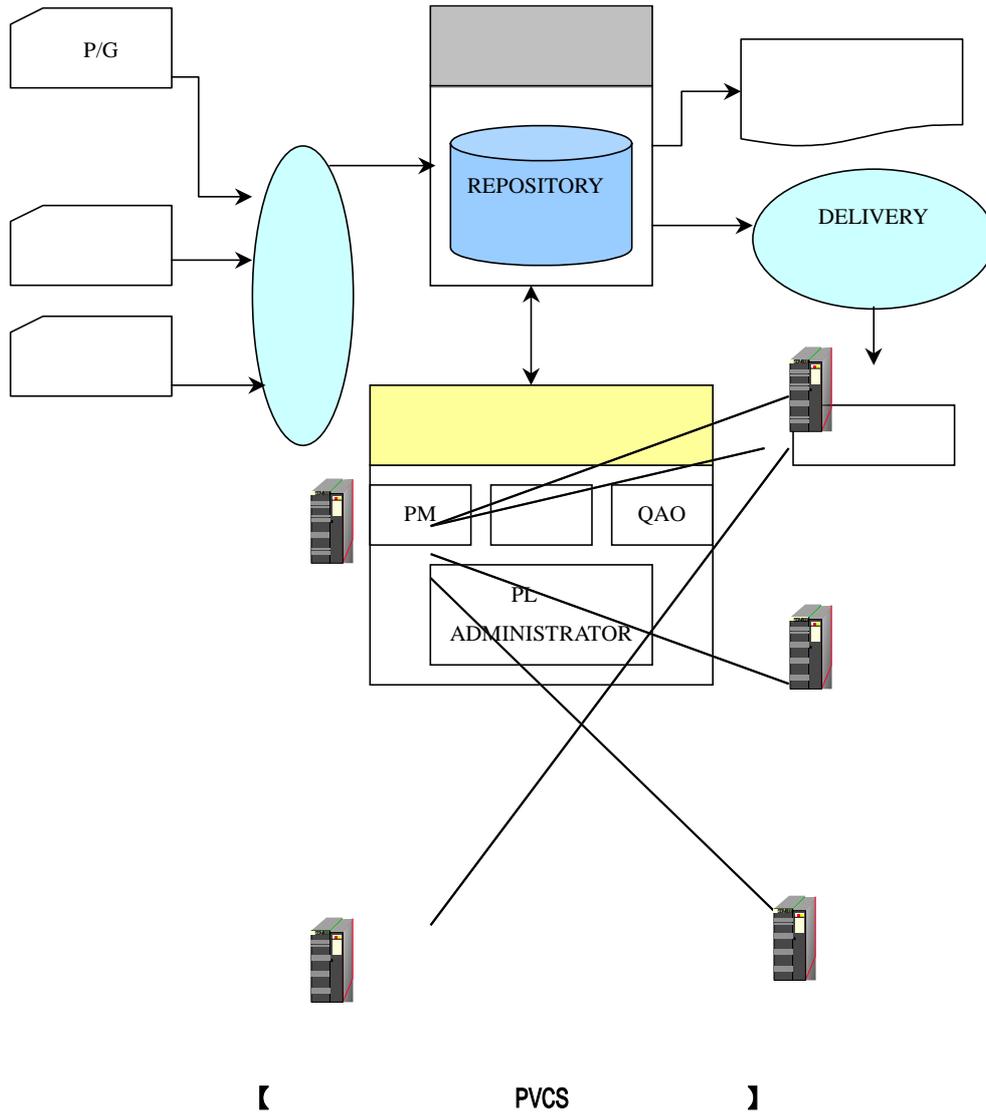
가

Tool PVCS(MERANT)

-	2	-	(7)	
SAS (SUN Ultra60)				
MIS	S/W	MIS/	(Sun E450)	
			MIS	
			(Sun E450)	가
(SUN Sparc10)				
domino	Notes			
S/W		(Sun E250)		
			CGI	

【

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5.2 SM

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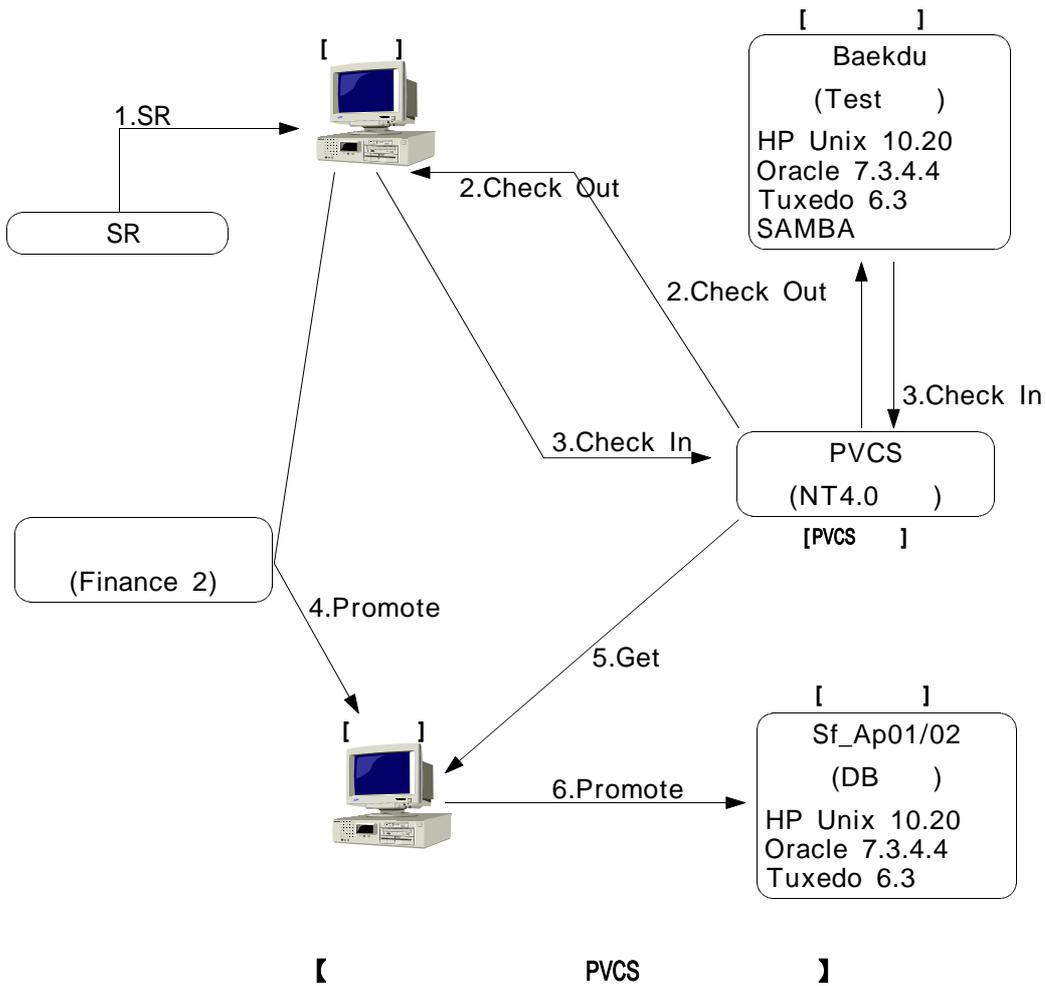
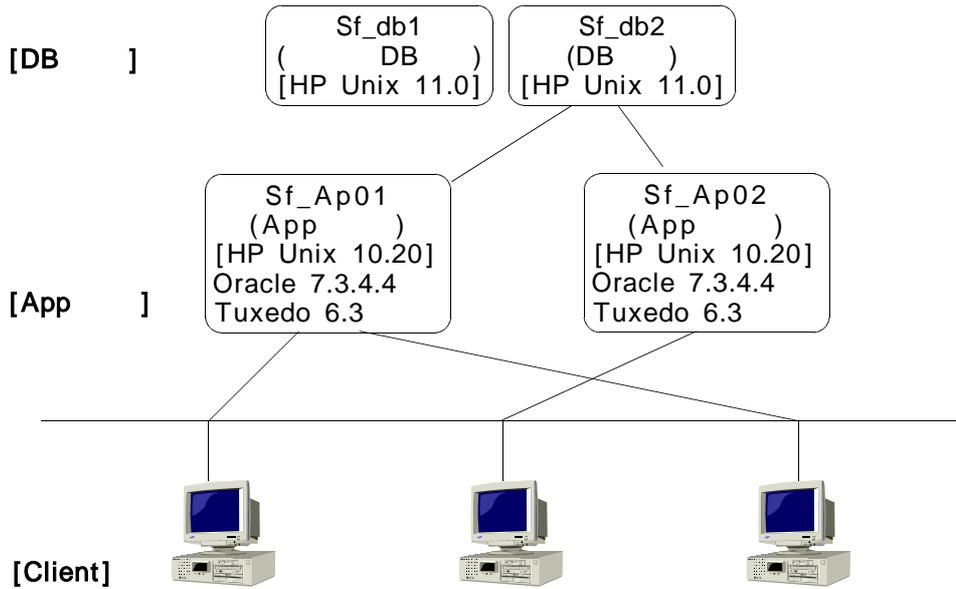
: 04 2_ IS .PPT

04 3_ IS .EXE

IS

SR(Service Request)

IS



6. SCM

SCM Tool
 . SCM

PVCS		Templete	--	<u>05</u>	<u>1_PVCS</u>		<u>.GUL</u>
PVCS	가		--	<u>05</u>	<u>2_PVCS</u>	가	<u>.GUL</u>
PVCS			--	<u>05</u>	<u>3_SDS_VM</u>		<u>.PPT</u>