

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. (SCM)
7. SCM

. SDS 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

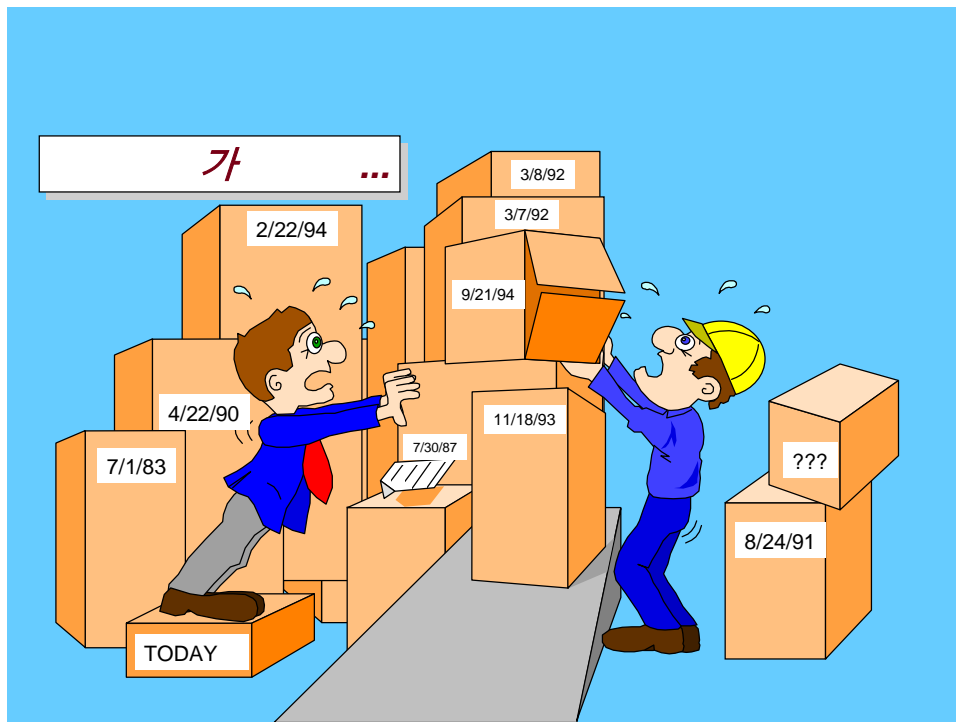


OS

(Window Unix),

가

1)



가

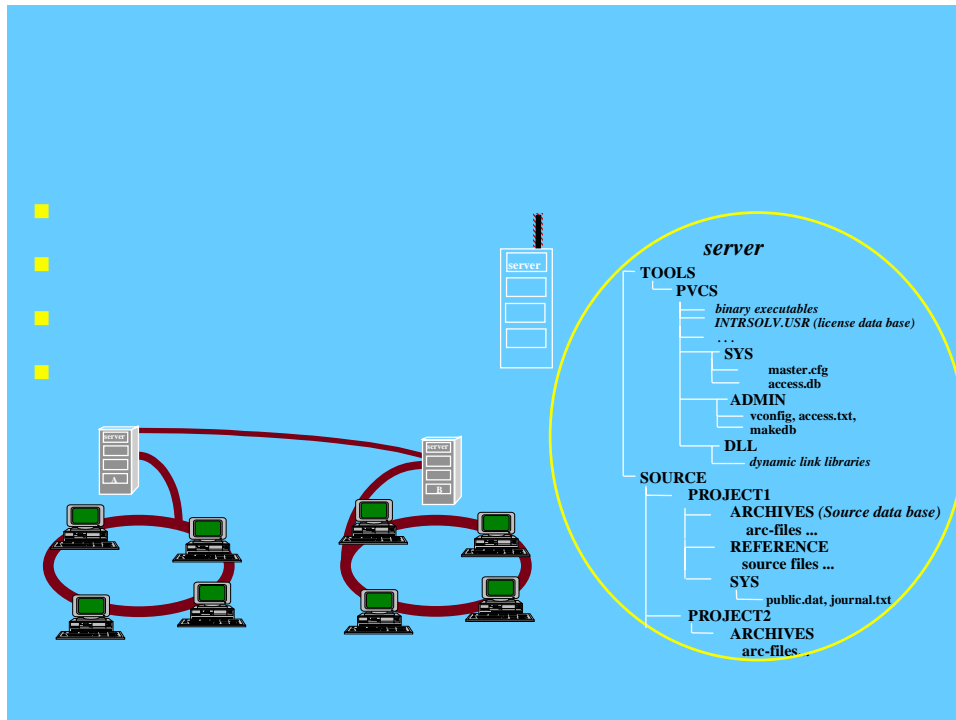
가

가 , 1

가

가

2) 가



가

가

가

(?)

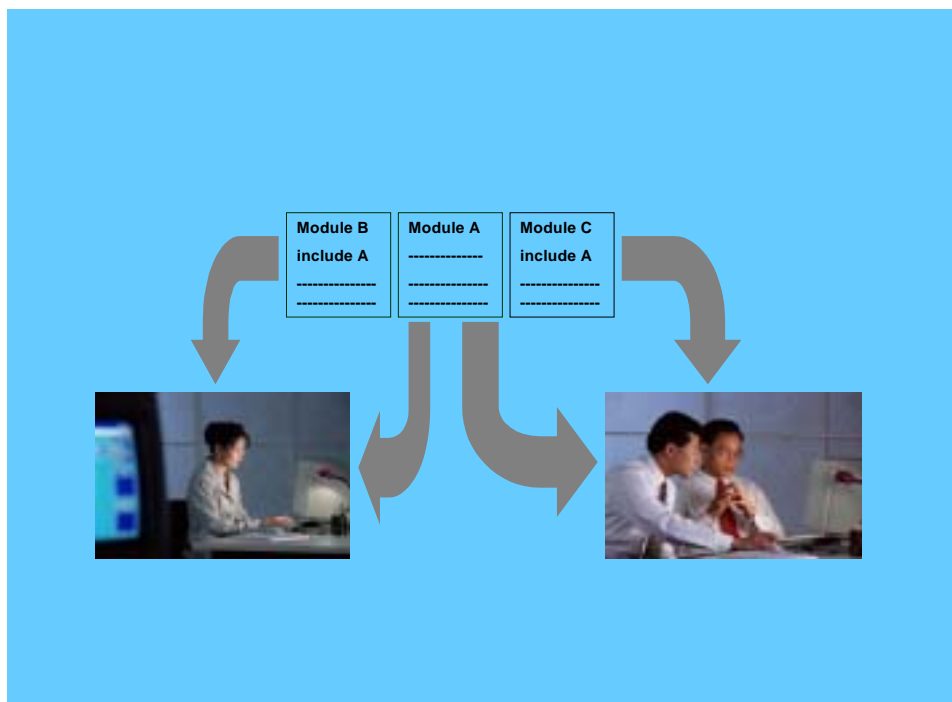
가

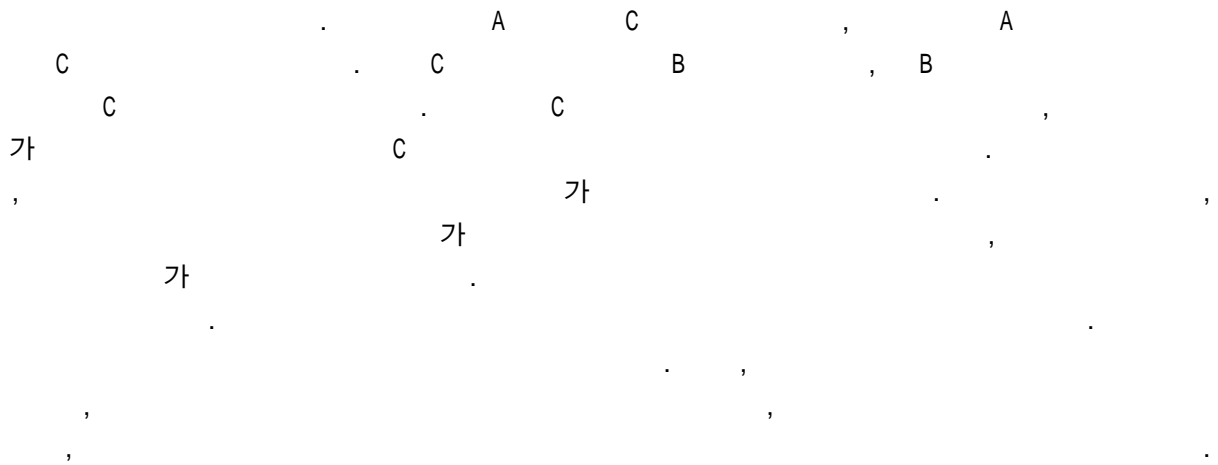
가

가

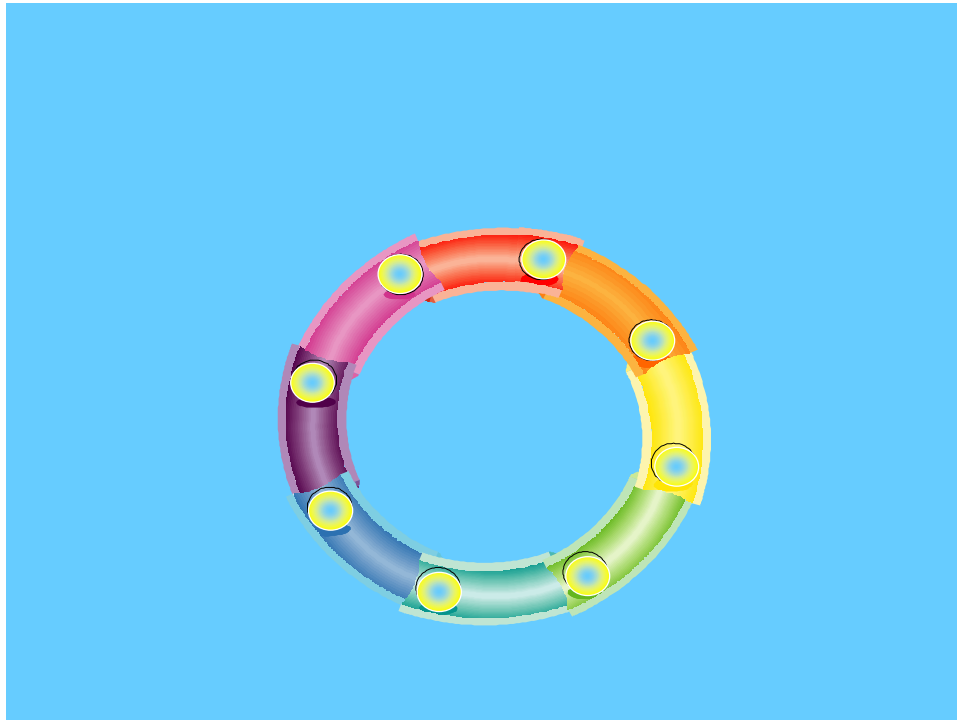
3)

가





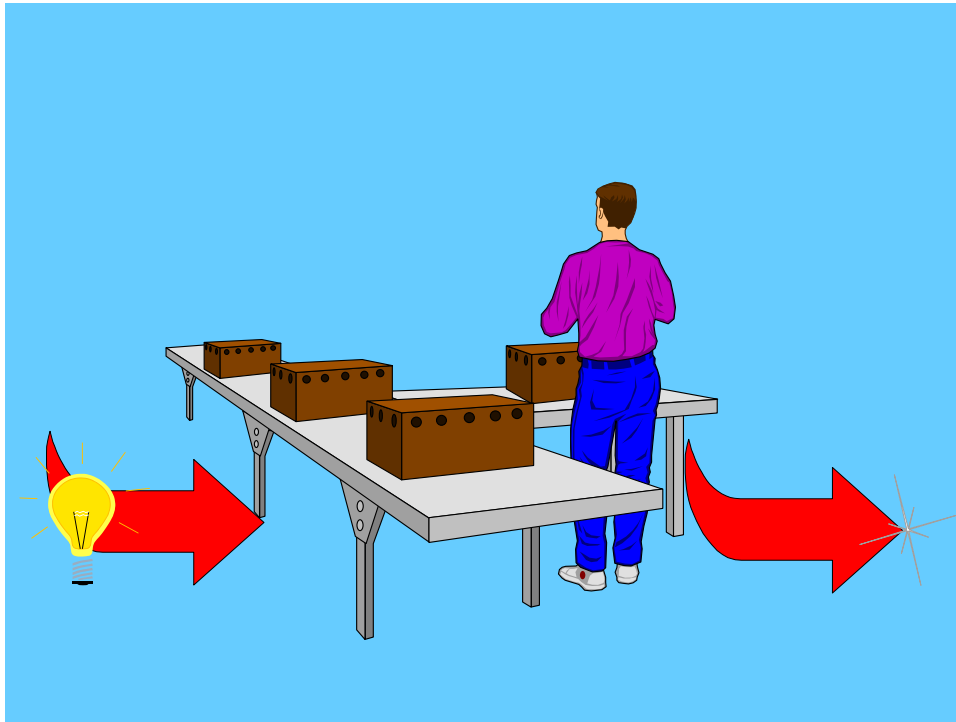
4) 가 FIX



가 , , 가 , 100% , BUG-FREE ? 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 source가 가 가 .

3.2

가 가 , 가 , source source source .

3.3 Build

make build time stamp build가 FootPrinting .

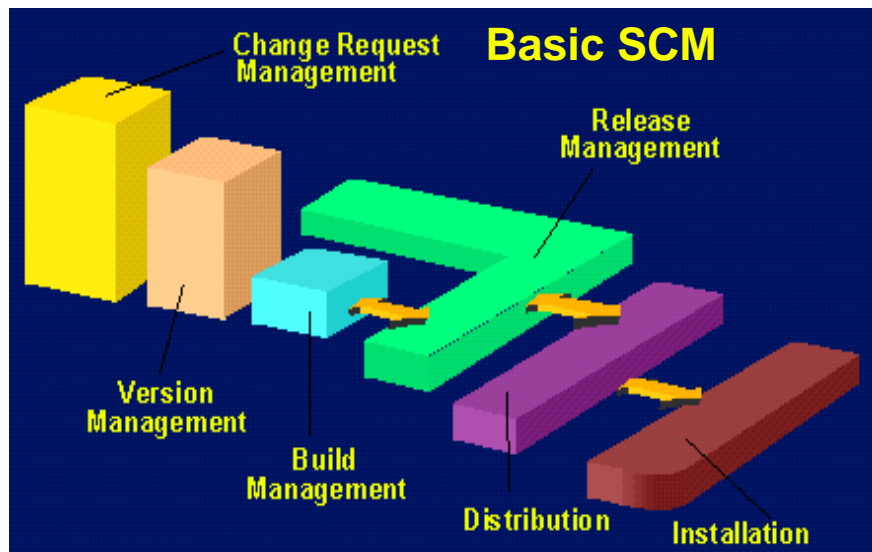
3.4

release . , .

3.5

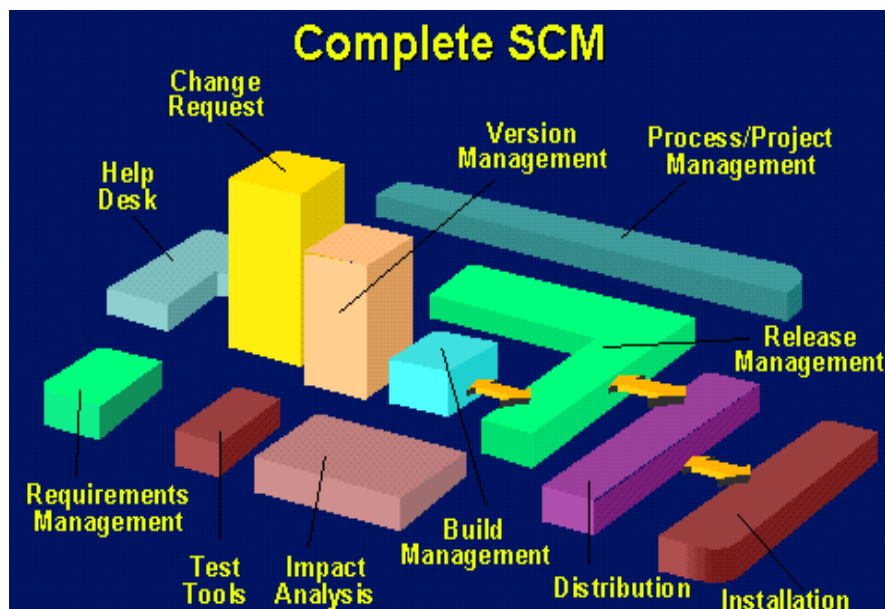
, . (Version Manager) , , Release , , Build , .

6가



가?

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



(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 가 - - - (, ,) Work-Flow		- 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

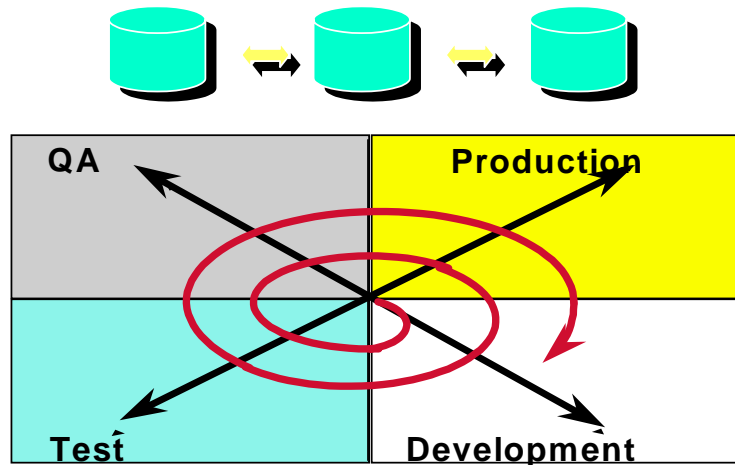
-

(Baseline) 가

-

Promotion

가



-

, QAO , PM, 가

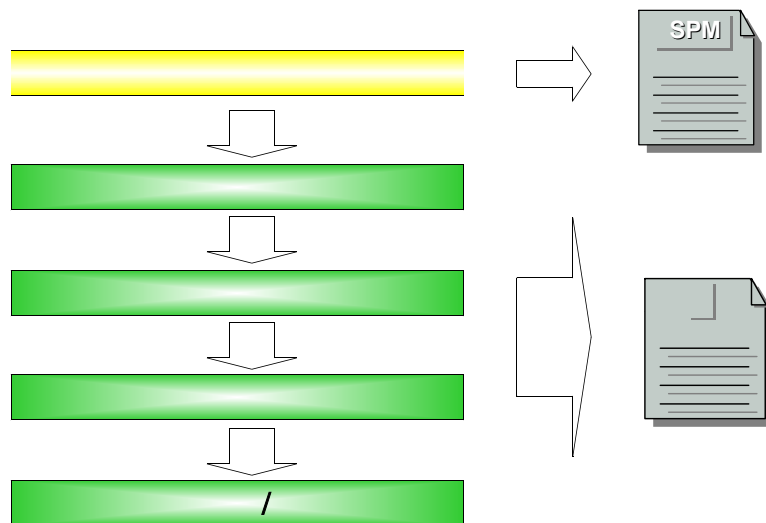
[]

- PM PL : SCM

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

6. (SCM)

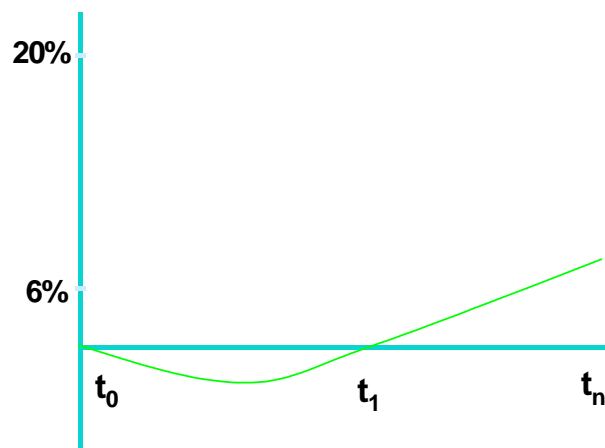
SCM



7. SCM

SCM

가



Case Study

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

,

, ISO 9000, ISO 12207,

CMM, SPICE

가 가 "

(SCM)"

SDS

가

1.3

,

(S/W)

()==>

가

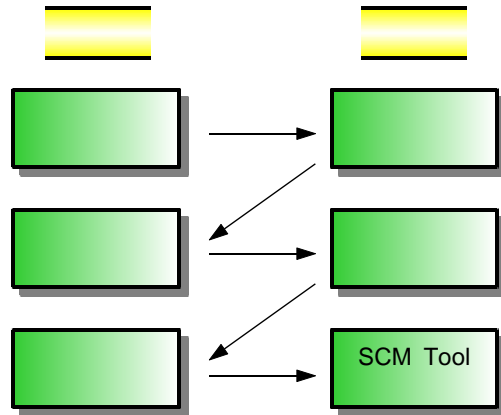
가

()==>

가

가

() ==> SCM Tool



가

가

가

가

, 가

,

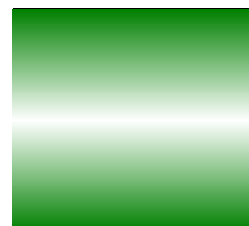
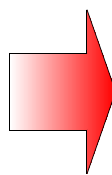
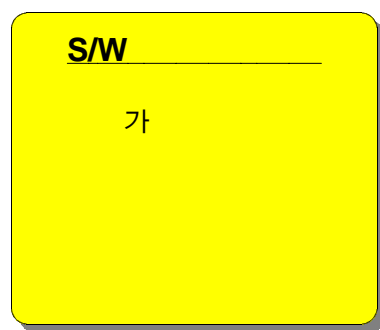
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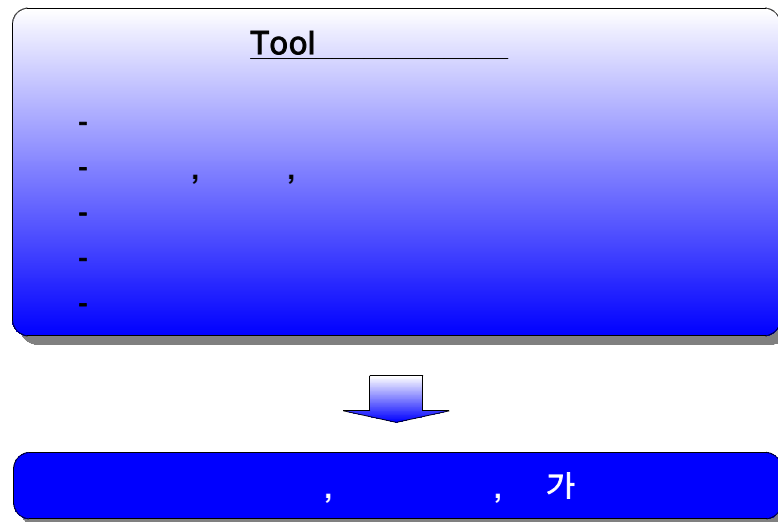
,

,

.



가



2. SCM Tool

SDS

MERANT (

INTERSOLV) PVCS

NTT

()

가

(Linked file)

2.1 NTT () CONCORD 가

NTT () 「 SW

가 가가

NTT가

NTT , CONCORD(CONfiguration COntRoI 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 TOOL 가	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

3)

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

Paperless /
SW

: [02 3_CM .GUL](#)

3. SCM Tool

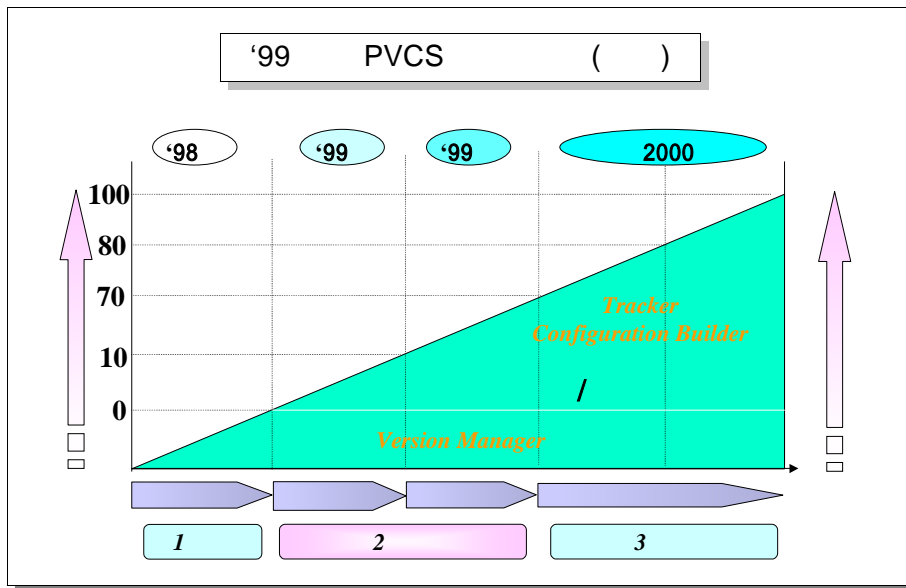
3.1

SDS MERANT(INTERSOLV) PVCS .

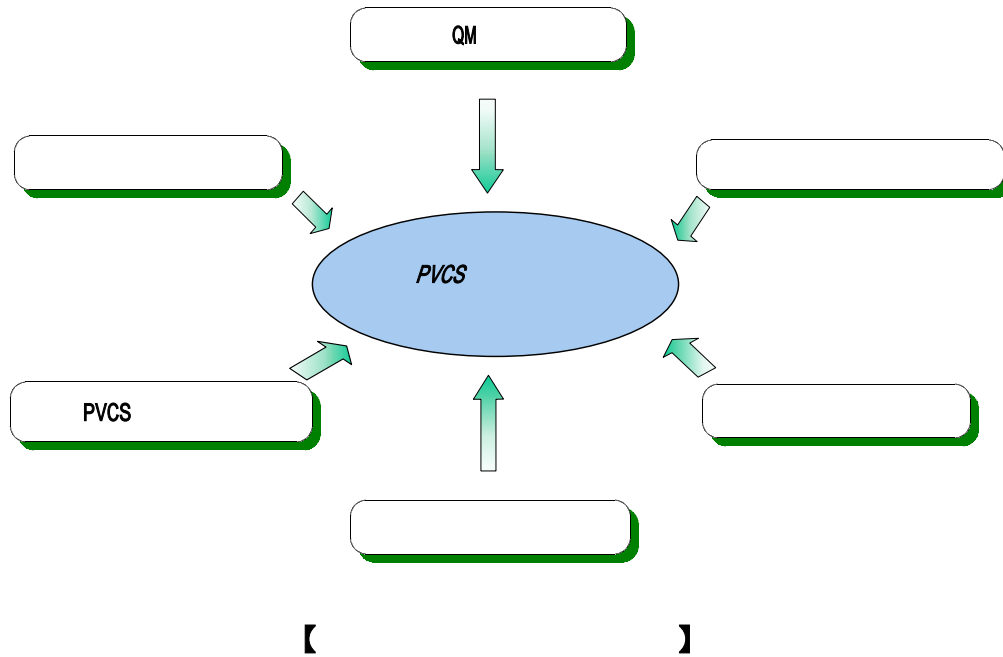
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.

.



	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 -	-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) -- : 03 3_PVCS .GUL

가

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

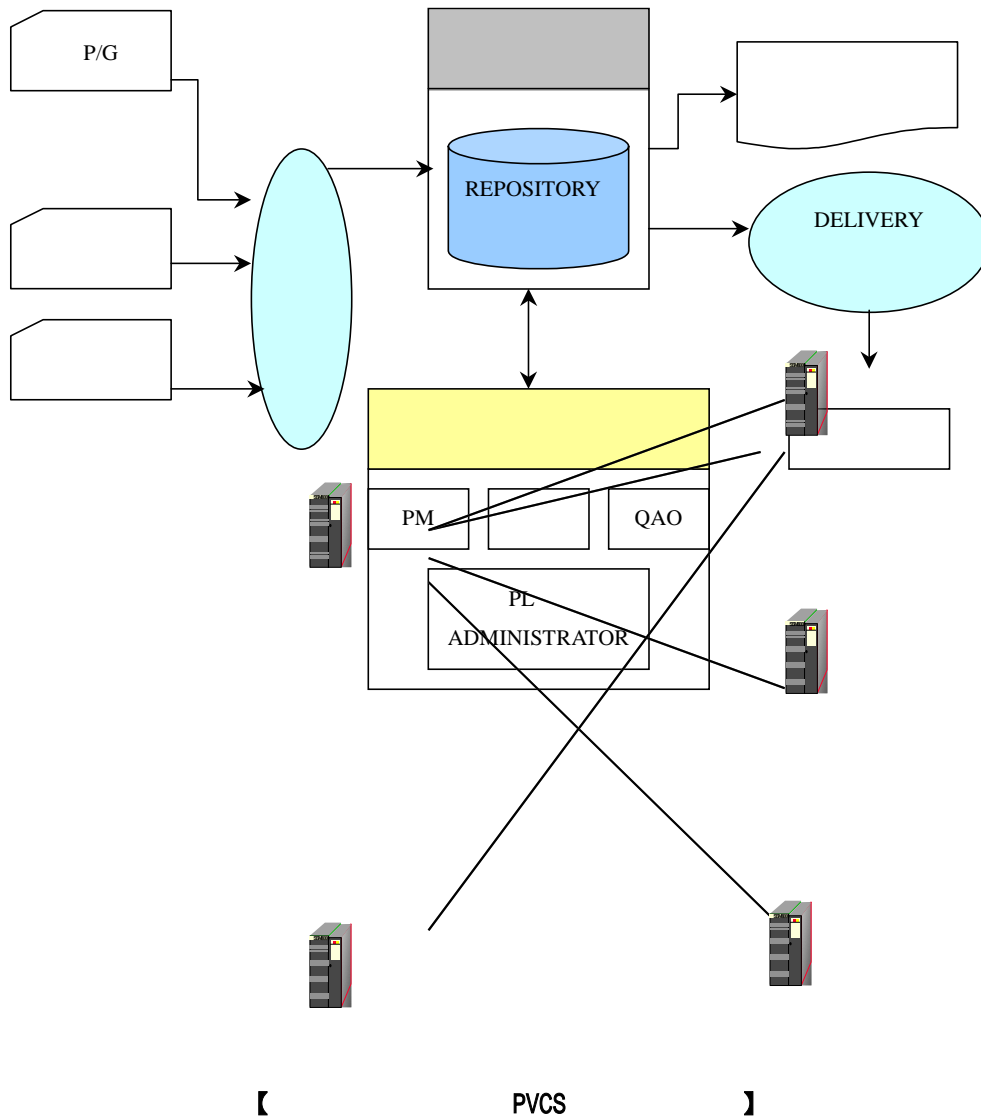
가

Tool PVCS(MERANT)

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

【

】



5.2 SM

--

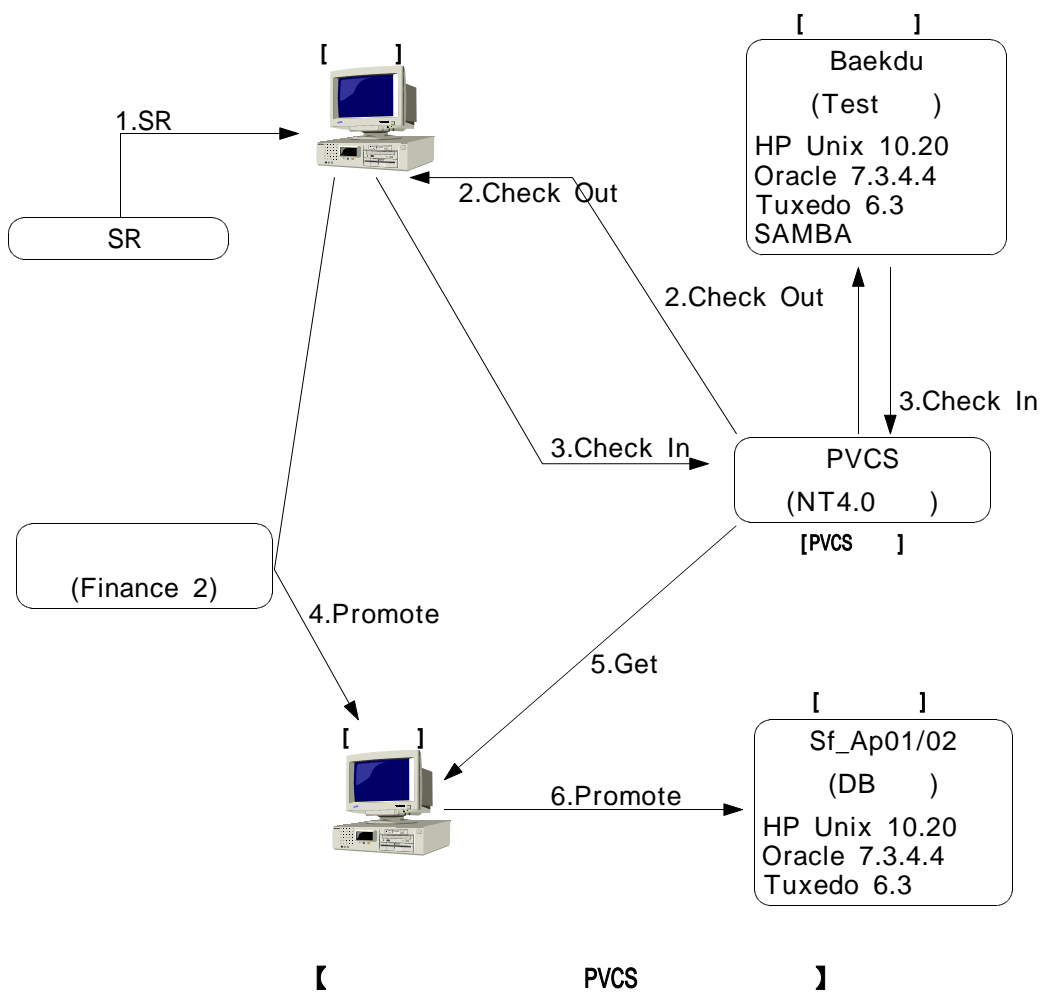
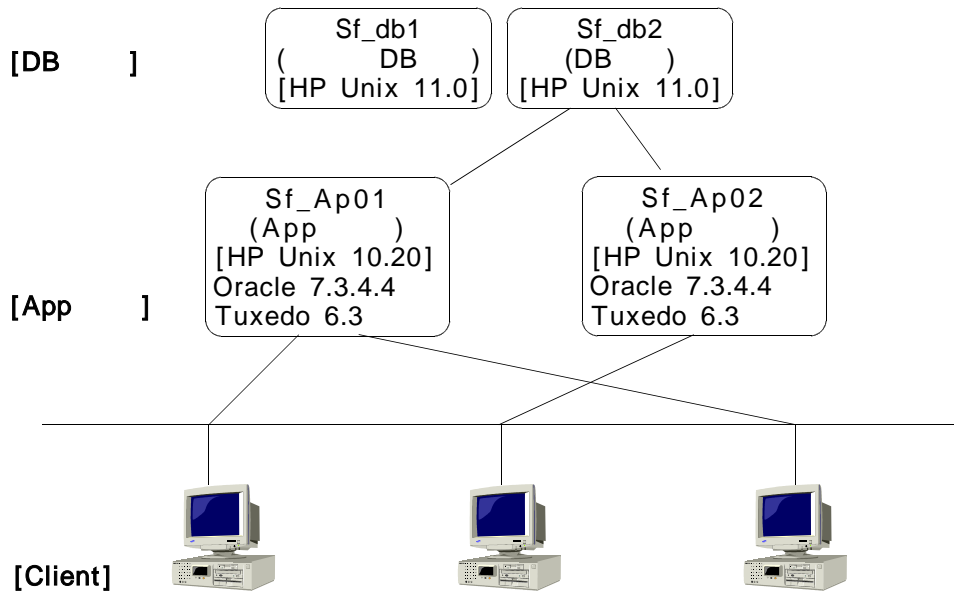
: 04 2_ IS .PPT

04 3_ IS .EXE

IS

SR(Service Request)

IS



6. SCM

SCM Tool

. SCM

PVCS		Template	--	05	1_PVCS	.GUL
PVCS	가		--	05	2_PVCS	가 .GUL
PVCS			--	05	3_SDS_VM	.PPT