

EJB

CBD

(S

CBD

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[gun-young\\_lee@hp.com](mailto:gun-young_lee@hp.com)



# Agenda

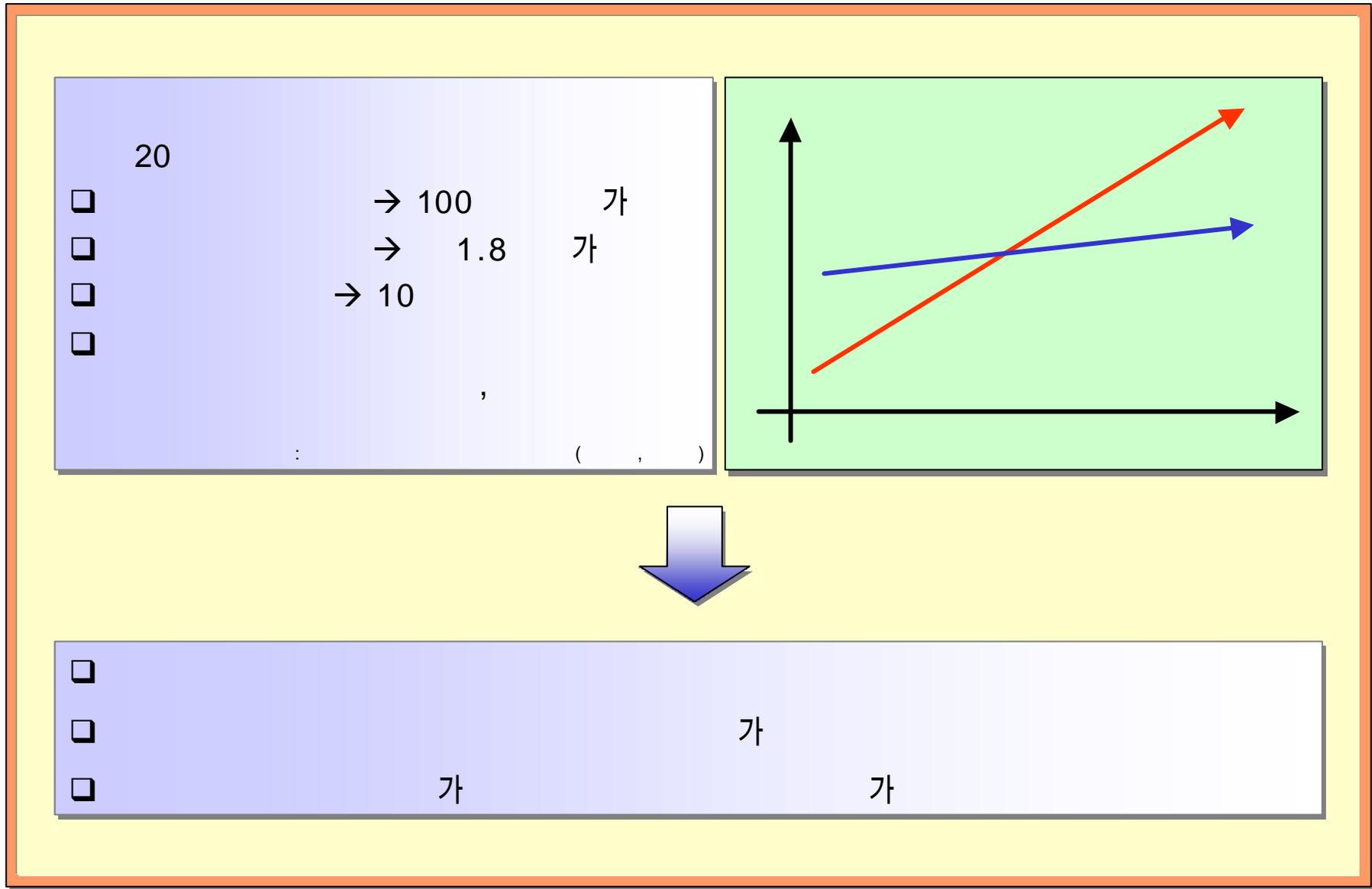
CBD

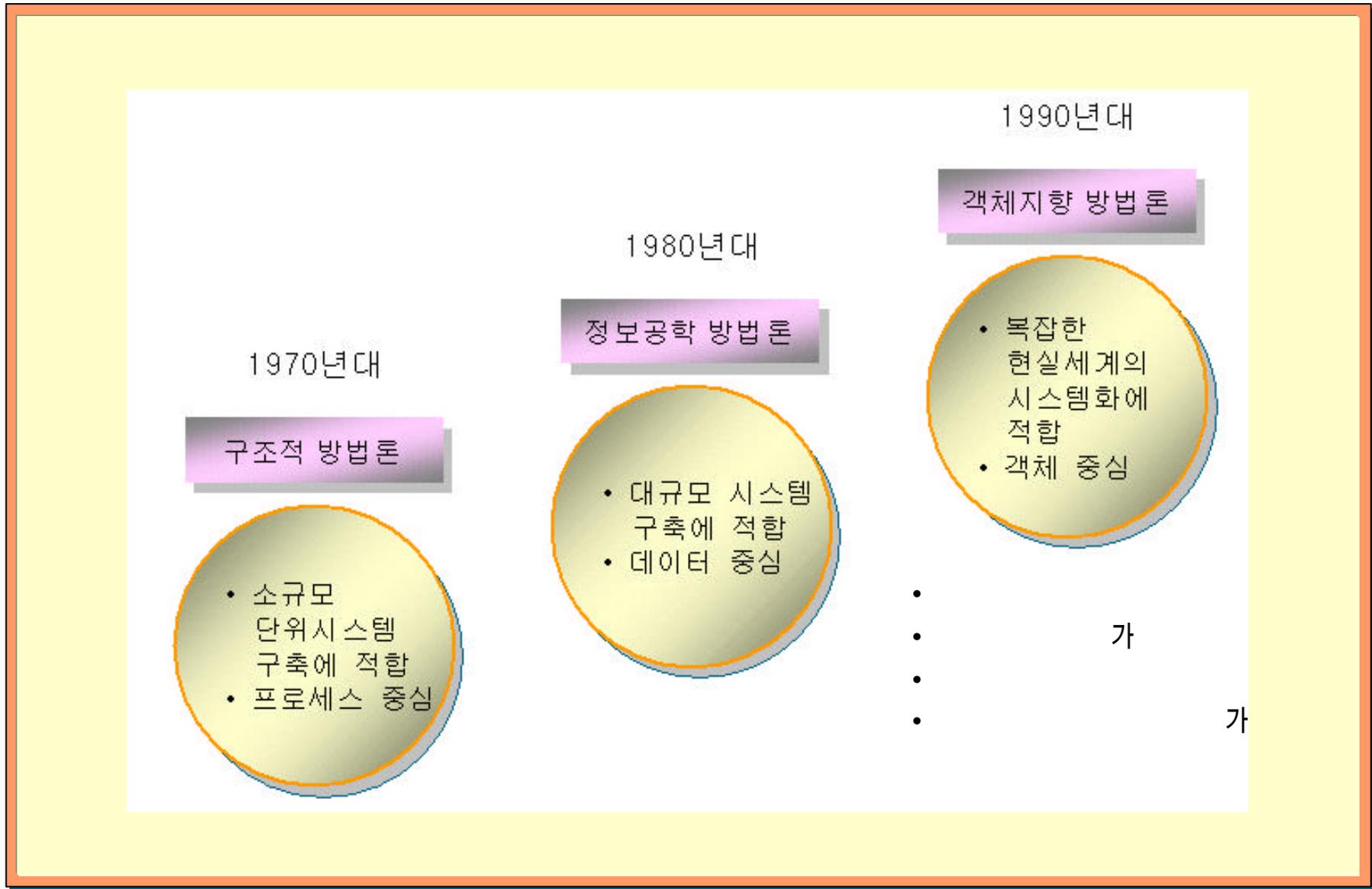
HP CBD

CBD

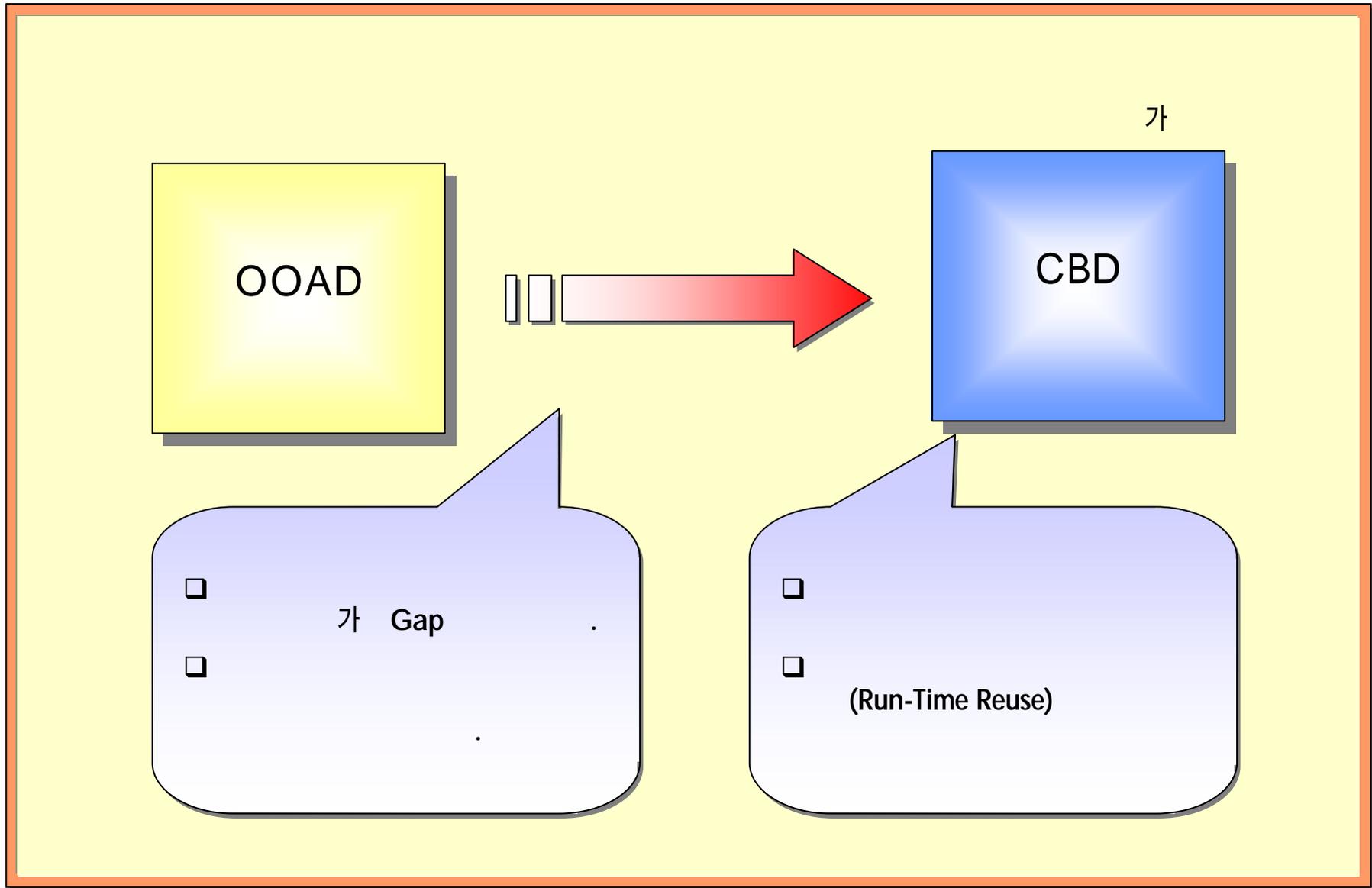
CBD







# CBD



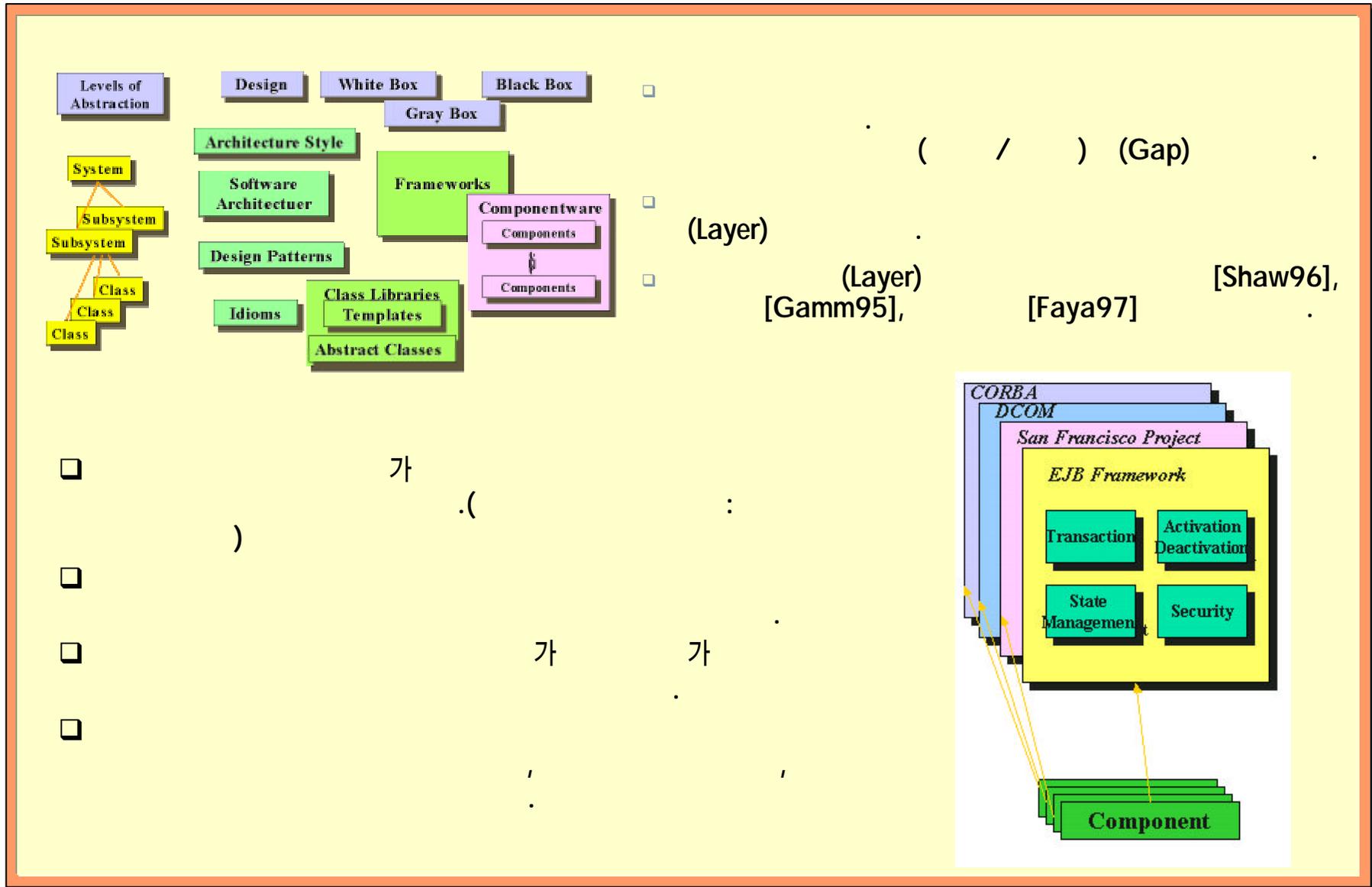
- S-Video or Composite interfaces connect to TV and video equipment
- VGA connectors interface to monitor
- Usually proprietary feature connectors allow decoding for DVD, or TV Tuner
- MPEG Software API's for DVD, Video editing
- 2D/3D Software API's support DirectX or OpenGL to control card from applications
- AGP or PCI Bus interfaces connect to PC Motherboard

- \_\_\_\_\_ 가 \_\_\_\_\_ . - **Ratioanl Software**
- \_\_\_\_\_ 가 \_\_\_\_\_ . - **Gatner Group**



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- Spec. ( & )
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- 가 가

- Small and Large grain component
- Black-box and White-box
- MBD(Model-Base Development)



# CBD

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A pyramid diagram with four horizontal layers. From top to bottom, the layers are labeled: "Application Specific", "Business Domain", "Business Infrastructure", and "Technical Infrastructure". The pyramid is colored with a green top section and a blue bottom section.

A graph with a vertical y-axis and a horizontal x-axis. A red arrow labeled "Traditional Development" starts at a low point on the y-axis and curves upwards to the right. A blue arrow labeled "CBD" starts at a higher point on the y-axis, peaks, and then curves downwards to the right.

Source: Butler Group

HP CBD

RapidCBDi

RapidCBDi Flow

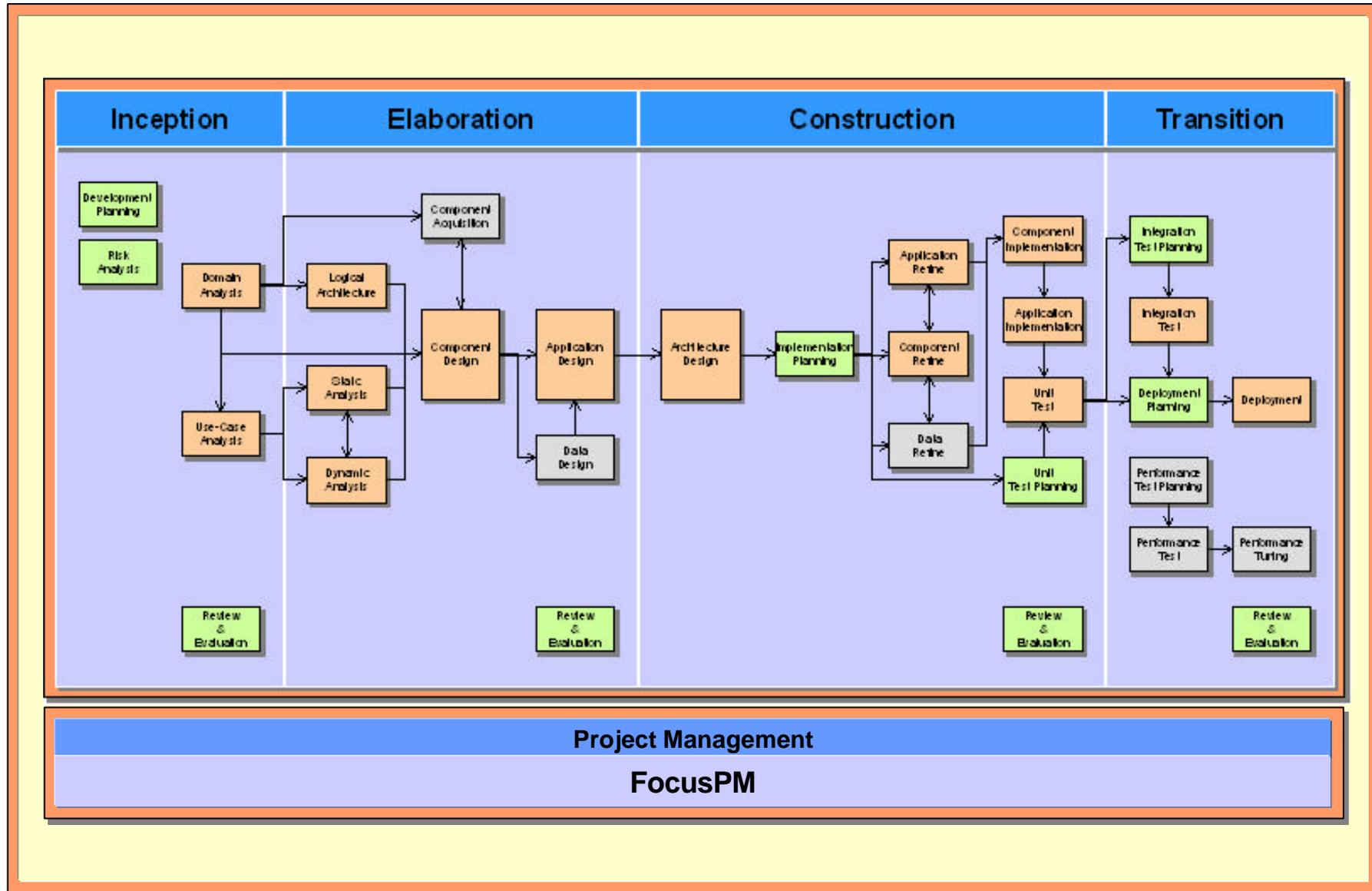


# RapidCBDi

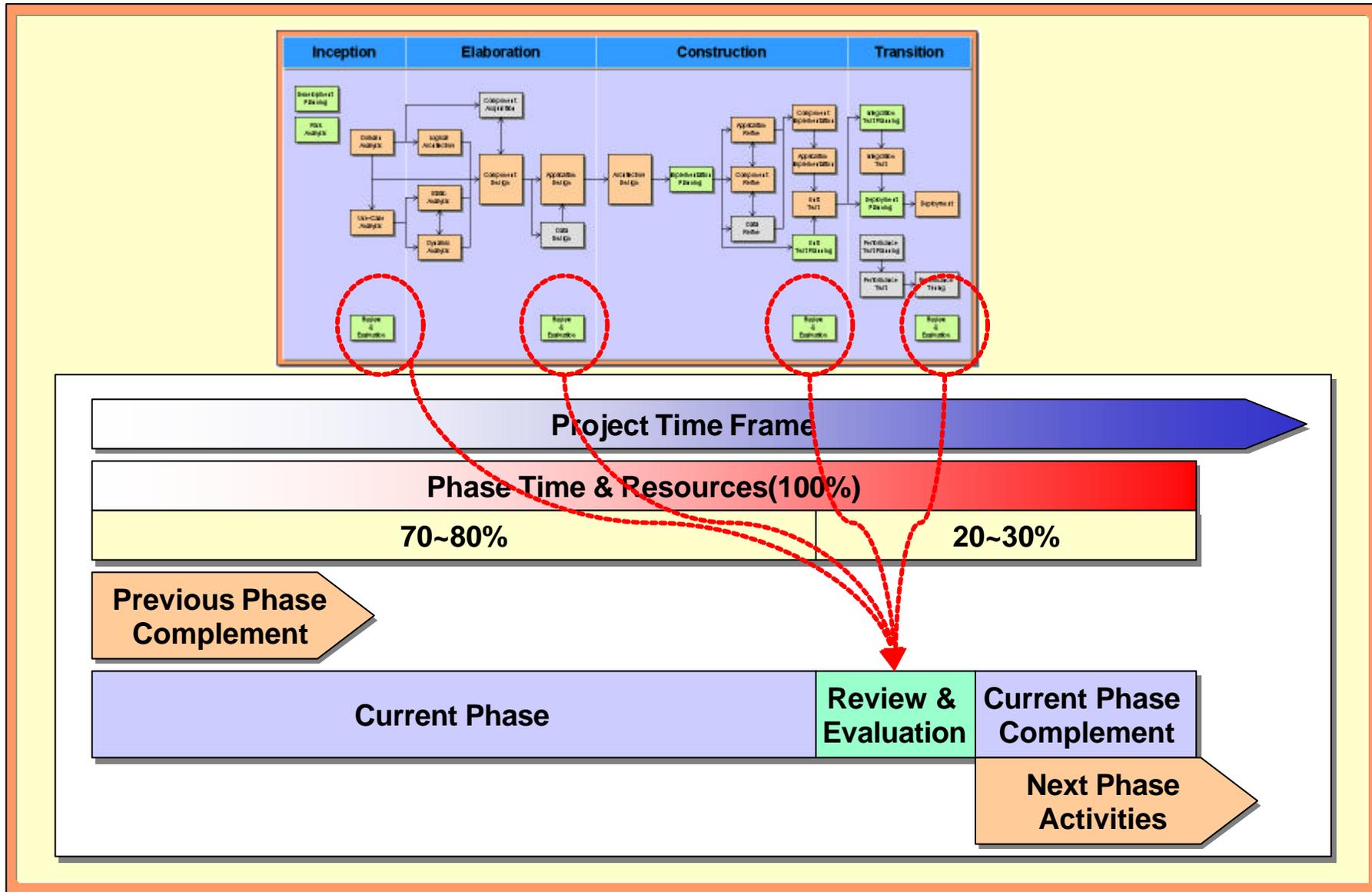
- ❑ RapidCBDi
  - RapidCBDi Business Application Based Development Methodology . Component
  - RapidCBDi CBD .
  - RapidCBDi Business Component 가 .
  
- ❑ RapidCBDi
  - Practical CBD Methodology
  - Easy to perform CBD
  - Time to Market
  - Low Cost
  - High Productivity
  - UML
  - Platform or Tool Independent
  - HP FocusPM



# RapidCBDi Flow



# Iteration Work



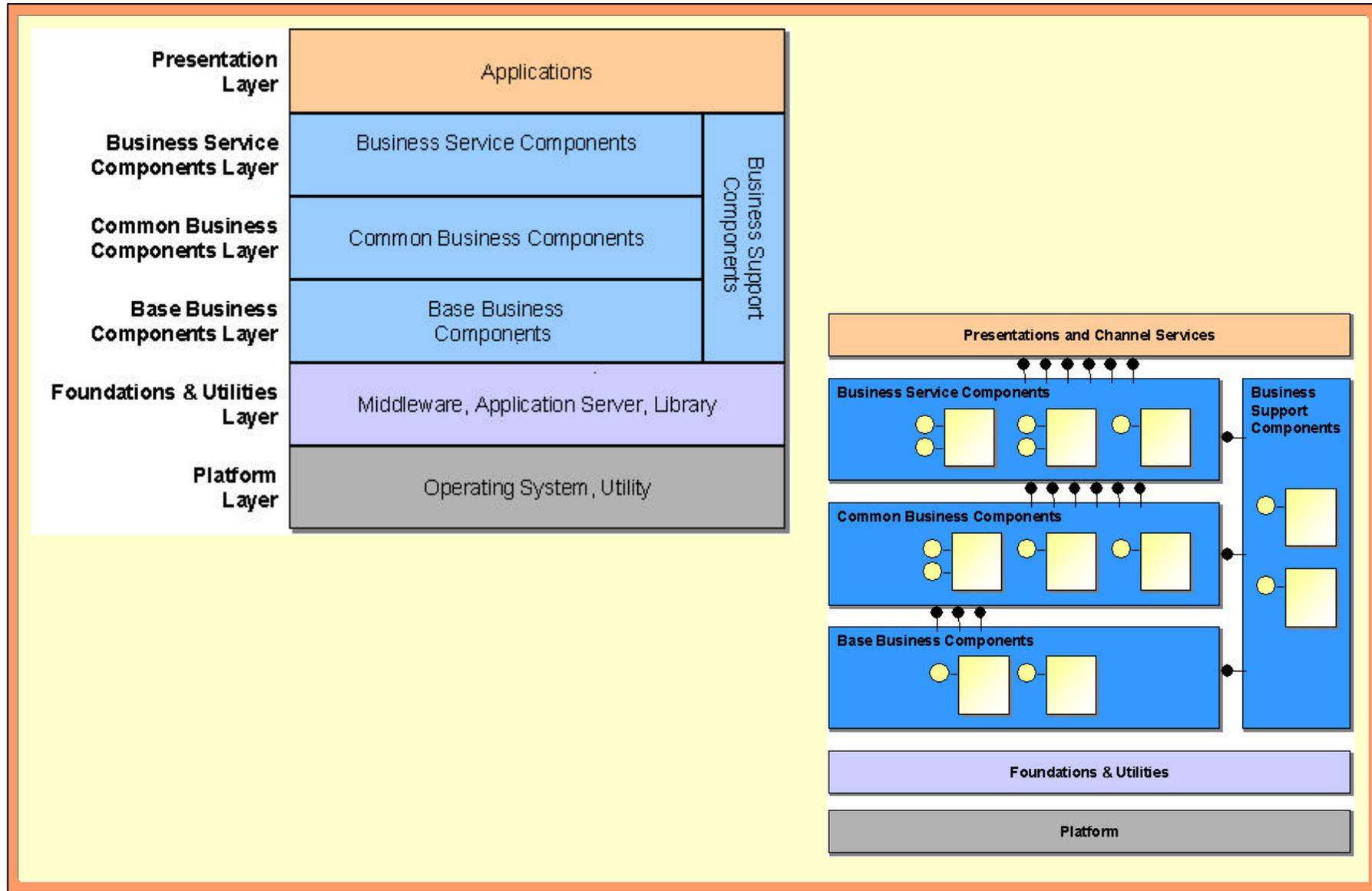
# CBD

S      CBD

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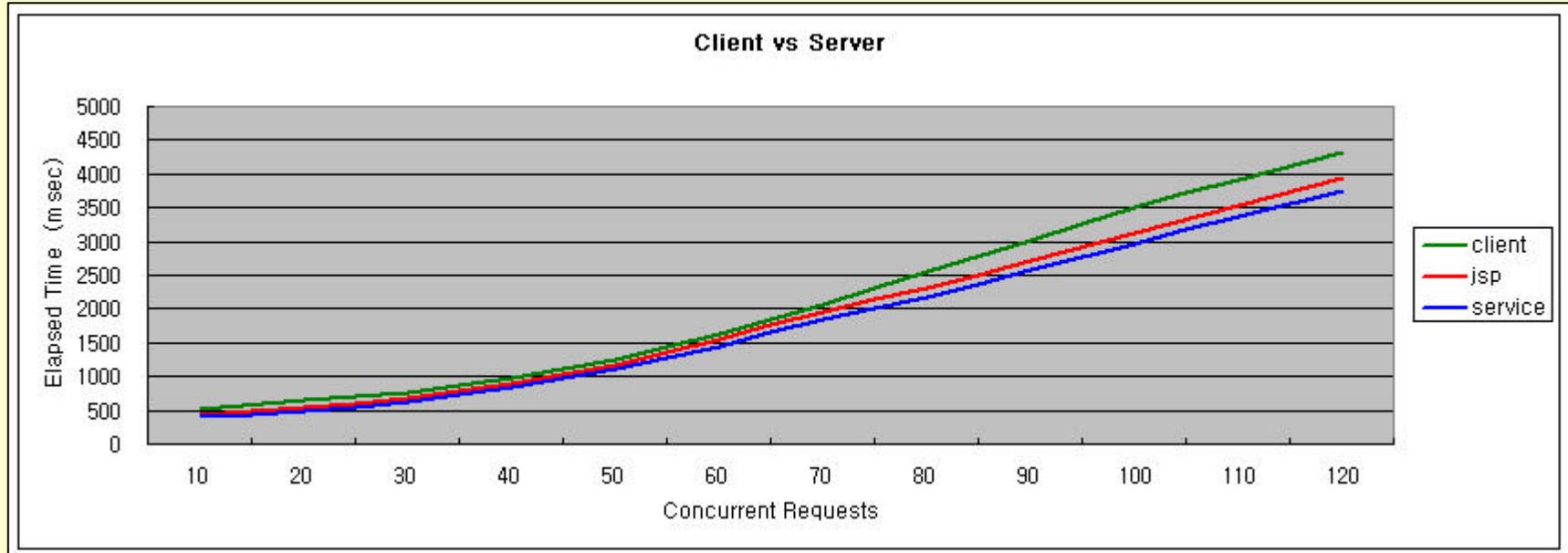
# Logical Architecture



# Component Refine

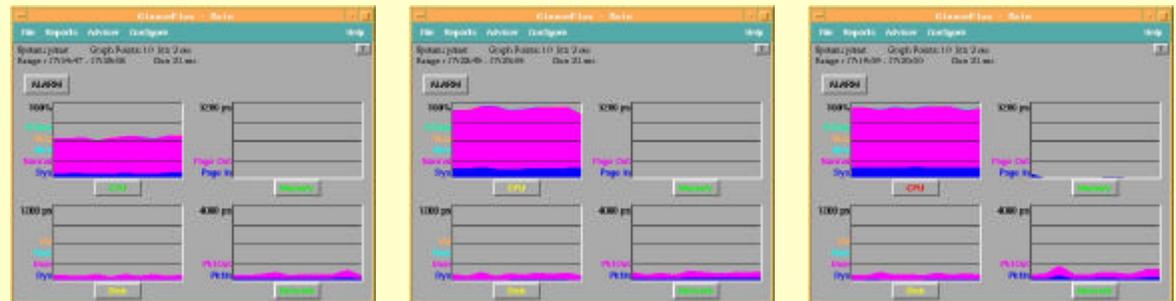
Component Specification		Operation Specification																																					
<b>AccountMgr</b>		<b>AccountMgr.doAccountCreation</b>																																					
Type	SessionBean (Stateless)	<b>Description</b> 새로운 계좌를 만든다.																																					
Package	shb.com.common	<b>Input</b>																																					
JNDI Name	Common.AccountMgrHome	HashMap																																					
Home Interface	AccountMgrHome	<table border="1"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>BRANCH_NO</td> <td>Integer</td> <td>영업점번호</td> </tr> <tr> <td>SAUPBU</td> <td>Integer</td> <td>사업부코드</td> </tr> <tr> <td>TRANX_DATE</td> <td>Timestamp</td> <td>거래일</td> </tr> <tr> <td>CUSTOMER_NO</td> <td>Integer</td> <td>고객번호</td> </tr> <tr> <td>ACCOUNT_PASSWD</td> <td>Integer</td> <td>비밀번호</td> </tr> <tr> <td>DEPT_CODE</td> <td>Integer</td> <td>과목코드</td> </tr> <tr> <td>PRODUCT_CODE</td> <td>Integer</td> <td>상품코드</td> </tr> <tr> <td>DEPOSIT_AMOUNT</td> <td>Long</td> <td>금액</td> </tr> <tr> <td>DEPOSIT_PERIOD</td> <td>Integer</td> <td>기간</td> </tr> <tr> <td>PERIOD_UNIT</td> <td>Integer</td> <td>기간종류 1 : 년 2 : 개월 3 : 일</td> </tr> <tr> <td>INTEREST_PAYMENT_TYPE</td> <td>Integer</td> <td>이자지급방법 1 : 월이자지급식 2 : 만기지급식</td> </tr> </tbody> </table>		Name	Type	Description	BRANCH_NO	Integer	영업점번호	SAUPBU	Integer	사업부코드	TRANX_DATE	Timestamp	거래일	CUSTOMER_NO	Integer	고객번호	ACCOUNT_PASSWD	Integer	비밀번호	DEPT_CODE	Integer	과목코드	PRODUCT_CODE	Integer	상품코드	DEPOSIT_AMOUNT	Long	금액	DEPOSIT_PERIOD	Integer	기간	PERIOD_UNIT	Integer	기간종류 1 : 년 2 : 개월 3 : 일	INTEREST_PAYMENT_TYPE	Integer	이자지급방법 1 : 월이자지급식 2 : 만기지급식
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Remote Interface	AccountMgr																																						
EJB Class	AccountMgrEJB																																						
Properties																																							
Methods	doAccountCreation checkAccountForClosing doAccountClosing checkAccountForInterestPayment doInterestPayment getDepositRateByAccount getTaxRateInfo getAccountInfo																																						

# Performance Test



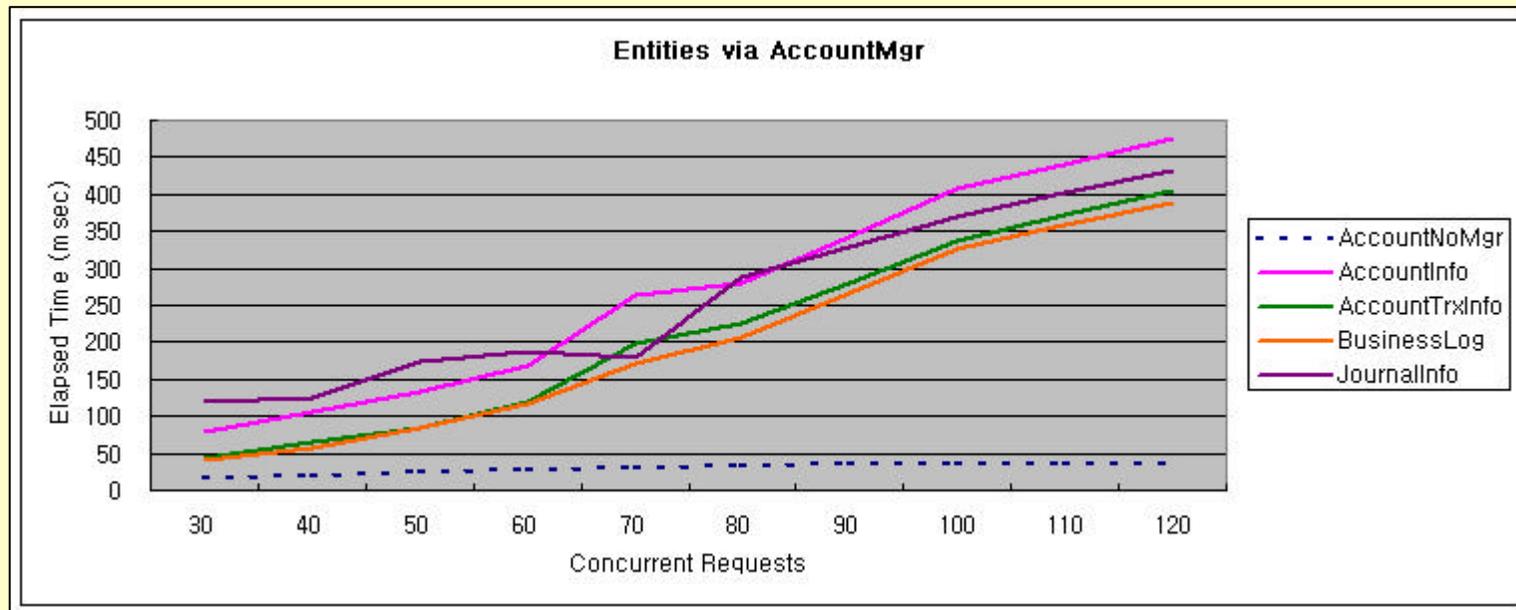
Concurrent Requests	10	20	30	40	50	60	70	80	90	100	110	120	비고
client	511	642	757	973	1246	1627	2069	2552	3029	3506	3909	4312	
jsp	444	535	680	896	1174	1543	1957	2313	2722	3132	3534	3936	
service	410	498	638	841	1102	1448	1842	2187	2580	2974	3363	3753	executeAccountCreation

30,70,100



# Performance Test

- Entity Bean JDBC



Concurrent Requests	30	40	50	60	70	80	90	100	110	120	비고
AccountNoMgr	16	18	24	26	30	33	34	36	36	36	class, jdbc, sequence
AccountInfo	79	105	133	169	264	279	343	408	442	475	Entity Bean, insert
AccountTrxInfo	43	64	84	119	199	225	281	338	371	405	Entity Bean, insert
BusinessLog	41	58	83	118	172	206	267	327	358	390	Entity Bean, insert
JournalInfo	119	126	174	188	179	289	329	370	401	432	Entity Bean, insert