

# **New EIS, Panic and Role Change**

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# Topics

- Advances in Business Innovation
  - Service-oriented Architecture SOA
  - Demo
- Shadow Side of Advances
  - World Panic
- Regulate?
- What's Changing?

# EIS Crucial Points

EIS must

- be an enabler
  - which makes enterprise happen.
- be of **Biz-aligned** throughout Lifecycle,
  - Just in time as Biz demands,
  - Meet Exactly What Biz needs.
- comprise one key element in pursuing **Enterprise Biz Innovation** steadily.
- meet ROI and Risk Allowance.

# Recent Advances in Biz Innovation

- Post BPR, e.g. Financial Engineering
- SVC
- SOA
- Lighter-weight WebAPIs and RESTful services in mashups
- Cloud Computing

# Definitions

## Service Computing

- A Science and Technology solving The Gap between business services and IT
- Research on Total Lifecycle of Service Innovation
- Web services, SOA, Business Science etc.

## SOA

- Service-oriented Software Architecture
- SOA based EIS realize
- Service Components Convention and their Development and Maintenance Methods
- Reuse of Service Components

# SOA

- Actually Work? ≠
  - Turn Key to go with EIS?
- Sufficient?
  - Enough to Innovate Biz?
- Bright IT Century?
  - Improved ROI?

# Demo

- Point: **How easy** to have Service Computing- based EIS with Modeling Biz Process and Systems Deploy
- Environments Used
  - For Design, “Intalio Designer BPMS”
  - For Deploy/Implement, “Intalio on the Server Geronimo”
- Two cases
  - Small-scale: Message Client-Server
  - Medium-scale: Web Shopping Systems

# Keypoints of Enterprise Innovation

1. BPR by **BPMN**
2. Realize EIS by **Web services Deploy**
3. Run EIS through **ESB\***

Enterprise Innovation actually possible to accomplish thru this PDCA Cycle.

\*ESB → Enterprise Service Bus, a part of computing infrastructure



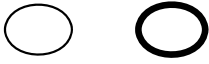

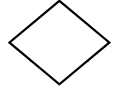
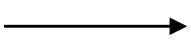


# Demo Steps

- For Simple Case
  - 1. Show you a Biz Process Model
  - 2. Transform to Implementation
  - 3. Execute the systems
- For Complicate Case
  - alike
- Watch out How easily accomplish this cost-consuming tasks just within a few minutes

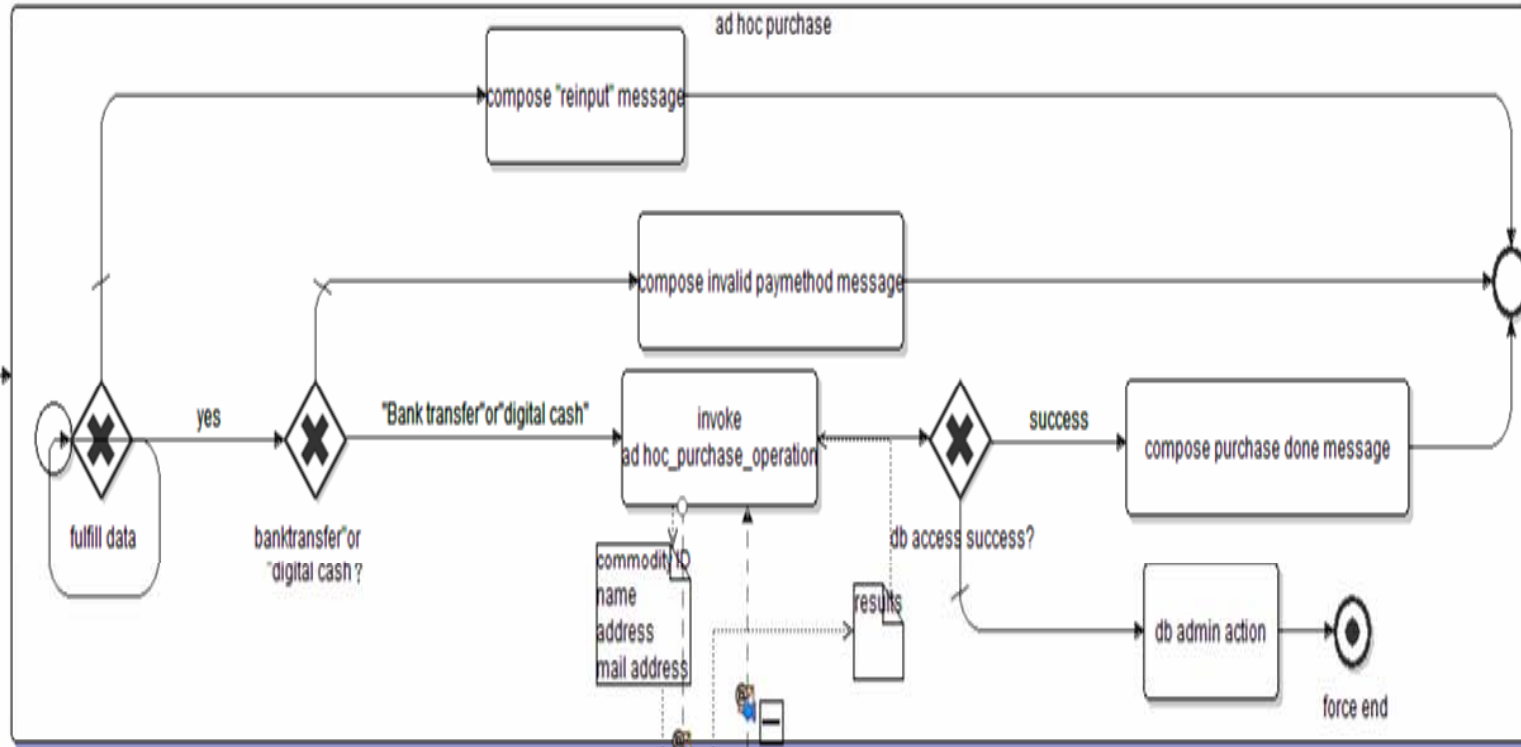
# What is BPMN?

- A Standard used for express Biz Process that comprises controlled flow of biz activities with message.
- A Common Language understandable for every ones.
- Used for Realizing Biz-Aligned EIS
- Biz Innovation as well as Auditing?
- Handled previously by BPMI, now OMG

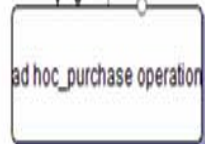
# BPMN Symbols used

<b>Event</b>		Origin, (mid), Terminate
<b>Activity</b>		⊞ :BP、 No ⊞ : Task
<b>Gateway</b>		X : exclsvOR、 O : OR、 + : And
<b>Sequence Flow</b>		Activity Seq Flow in Process
<b>Message Flow</b>		Flow of Message send/receive
<b>Associate</b>		Relationship between entities

commodityID  
name  
address  
mail address  
pay and reimburse



commodityID  
name  
address  
mail address



# The Demo Reminders

- Keep in Your Mind of Three Major Steps of Enterprise Biz Innovation.
- Take less Time, so you shouldn't miss the key points.

# What you've seen in Demo is Key Tasks for Enterprise Innovation

1. BPR by **BPMN**
2. EIS Realize by **Web services Deploy**
3. EIS Run through **ESB\***

Enterprise Innovation actually possible to do  
by this PDCA Cycle.

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One short reminder about the freeware Intalio's Business Process Modeling and its Deploy and Model Enacting.

"Just key-in the Login ID and password which must be given upon registration, then you will be able to execute all the needed process without any problem, I'm sure."

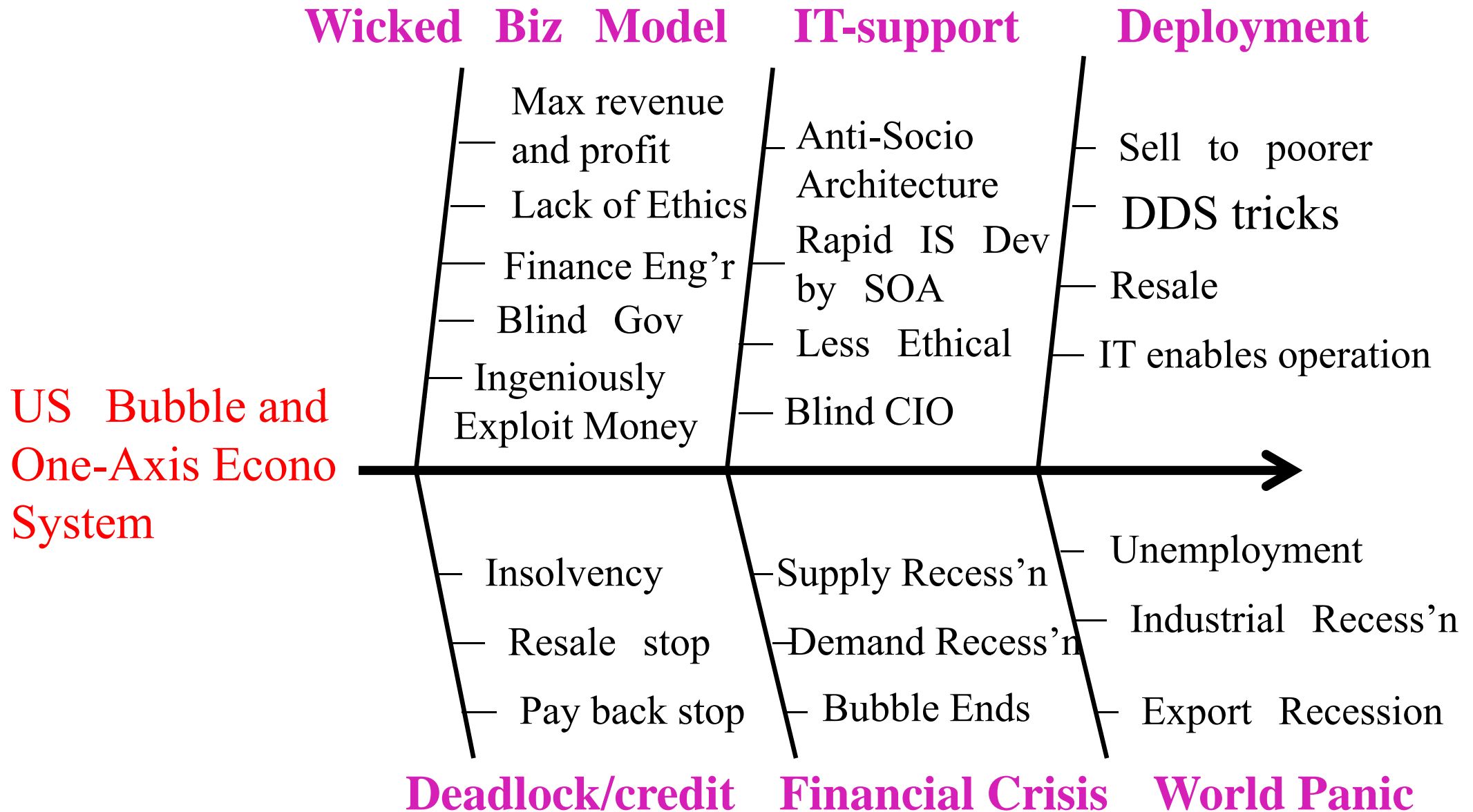
# You do quickly...

- innovate your Enterprise Biz and consequently put the EIS into Practice.
- Get biz advantages than competitors do.



# This One Example is

- Sub Prime Loan Enterprise Information Systems



# World Panic

- Causes
  - Wicked Biz Model
  - IT support
  - Deployment
  - Price Turn Over
- Consequences
  - Deadlock/credit
  - Financial Crisis, Toxic Assets
  - Industrial Recession

# Who's Responsibility?

- IT: an accomplice of the crime ≠
- Government responsibility
  - Help people and let them survive
  - Stop repeating such unhappiness
  - Enhance people's wellness and wealthy
- IT Community Responsibility
  - Right Utilization of IT
  - Check IT Now

# Bright side of Advances allow you

- To Have EIS Realization Very First.
- And also to solve the four crucial points.
- The **Shadow side** attacking people and giving serious damages, e.g., US Sub Prime Loan EIS.
- Need Regulate as new social concerns.

# Governments spend Resources

- But No Guarantee to protect people from the Repeating.
- No Wander if Another Attack coming, because the causes still be there.

# IT Shadow and Light

- Security Violation by Hacking, Virus
- Dark Transparent Accounting Systems
- Terrorism-support Information Systems
- Tricky Wicked Money Trader support Systems

# EIS Experts Role

- Now Get More Power in Enterprise
- Able to Play Core Role in Biz Modeling
- Improve ROI of EIS
- Realize Biz-aligned EIS
- High Chance to Promotion
- and Ethical Responsibility



# Role's Changing

## Before SOA

- Object-oriented
- Systems-oriented
- Technology-conscious
- Technology Enabling
- Cost-conscious
- Follower

## After SOA

- Service-oriented
- Biz-oriented
- Biz Process-conscious
- Biz Enabling
- ROI-conscious
- Leader

# Possible Repeat?

- Why No  $\neq$
- It's possible to make more wicked model happen.

# Regulate?

## Pro's

- Yes Need Alike Regulate of Nuclear Weapon Spread, CO2 Climate, Rear Species Trade
- Stop Repeating
- Avoid Leak know-how to Terrorist Groups

## Con's

- No because no effective way exists
- More wicked and need much money to avoid the repeating
- Prevent Cost Not Affordable

# Major Issues

- Social: Regulation must be there.
  - Not only Biz side But also Technology Use side
- Project:
  - Towards ROI-based and NOT Brute Force
- Standardization:
  - Invoking is all right thru WSDL
  - Standards for Reuse is needed
  - Body itself as well as Interface
- Exploitation:
  - Lack of Components Availability

# Choice

- In-house Make or **SaaS** with SLA
- Seems Shift to just reuse services from **outsource** for four crucial reasons.

# Towards Future

- Old Fashion Development **is over** and no longer used.
- Has-to-do is to incline much more to **expertise conscious** than brute force.
- **Service Computing** is exploiting throughout EIS domain.
- **Goal-oriented** rather than Technology-oriented
- Embedded Systems has to be innovated.
- Environment turns to **cloud**.

# SM-scale Enterprise must defeat Large

- IT Invest has not been affordable.
- SOA made change this definitely.
- Why not utilize SOA for EIS.→
- More first, adaptable, costless, risk-hedged EIS project becoming possible.

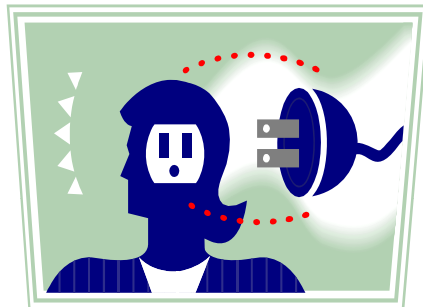
# Paradoxical?



- Once SOA caused Panic.
- Now SOA save Enterprise?
- SOA Plus maybe.



# Conclusion

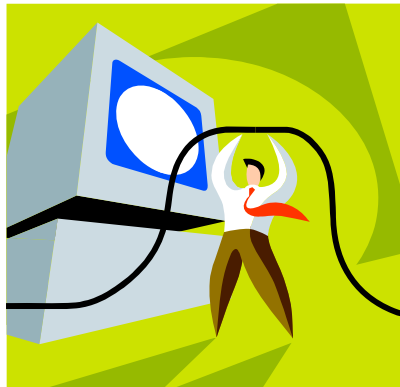


- EIS Breakthrough will save us if it technically enhanced and socially regulated.
- Not only because overcome recessions, but also because pursue **essential sustainability** of enterprise.

# Thanks everyone!

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