



Previous

Next





Production design









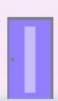


CPI















Infrastructure design



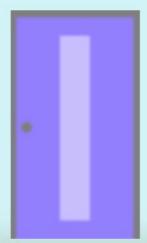












- Dr. Pr

BUSINESS DRIVERS - "WHY?"

FROM SUBJECT MATTER ORIENTED TO SHARED PROCESS ORIENTED SOFTWARE



REUSE AND SHARING SERVICES

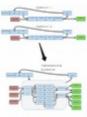




AGILE BUSINESS PROCESSES

ADAPT QUICKER TO NEW POSSIBILITIES AND THREATS

- NEW DATA SOURCES
- NEW "PRODUCTS" BASED ON EXISTING DATA
- HARMONIZING STATISTICS
 QUICKLY RESPOND TO NEW REQUESTS



ENTERPRISE DATA MANAGEMENT

- METADATA
- · DATA LAKE
- NEW DATA SOURCES
 HARMONIZING DATA



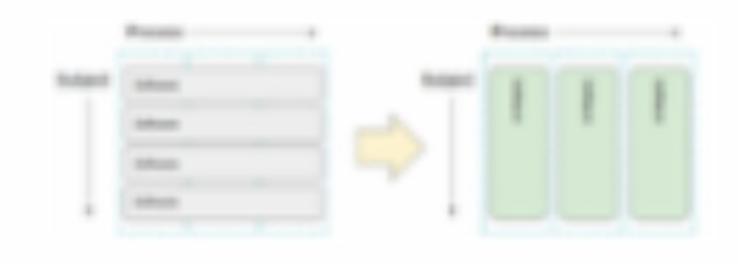
FROM LEGACY TECHNOLOGY TO SOA AND/OR CLOUD



SPECIFIC ADVANCEMENTS



FROM SUBJECT MATTER ORIENTED TO SHARED PROCESS ORIENTED SOFTWARE

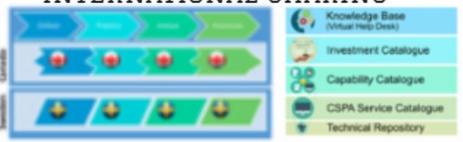


REUSE AND SHARING SERVICES

INTERNALLY SHARING



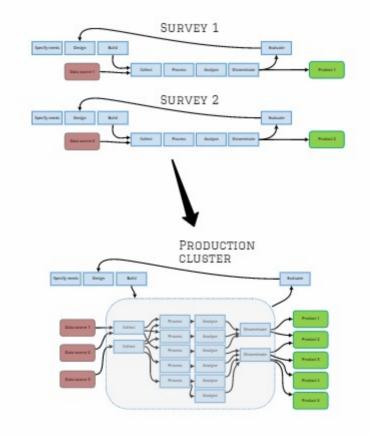
INTERNATIONAL SHARING



AGILE BUSINESS PROCESSES

ADAPT QUICKER TO NEW POSSIBILITIES AND THREATS

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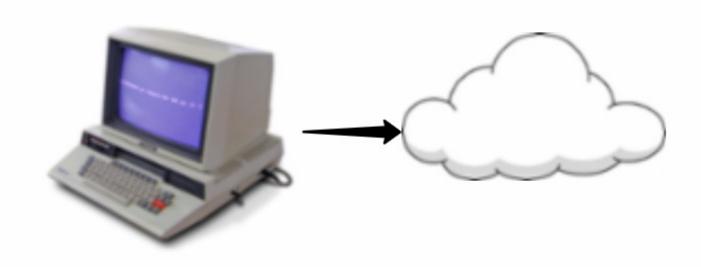


ENTERPRISE DATA MANAGEMENT

- METADATA
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- NEW DATA SOURCES
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FROM LEGACY TECHNOLOGY TO SOA AND/OR CLOUD



SPECIFIC ADVANCEMENTS



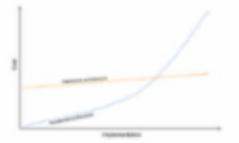






STRATEGY

ARCHITECTURE



APPLICATION PORTFOLIO



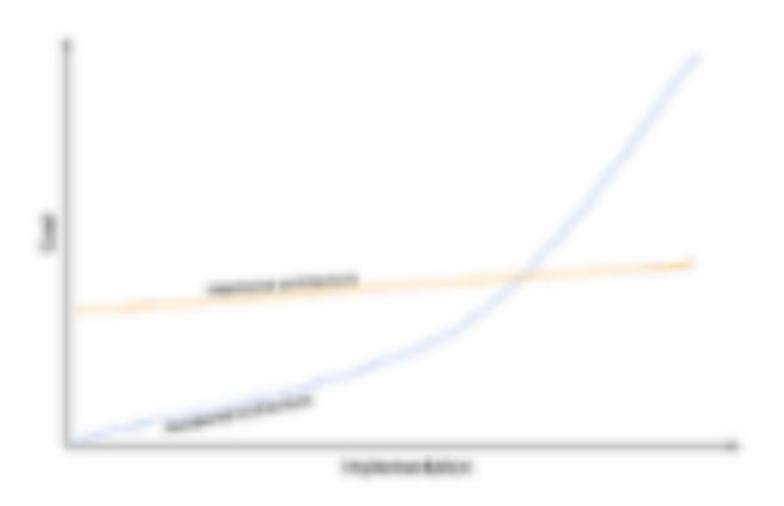
- BUSINESS AREA
 STAFF / ROLES
- DEPARTMENT
- LOW-HANGING FRUIT
 SPECIFIC KPI

TRENDS



- · DATA SCIENCE
- BIG DATA
 AI / ML
- · LOW CODE
- · HYBRID CLOUD

ARCHITECTURE



APPLICATION PORTFOLIO

STABILITY

80 / 20 RULE

INVESTMENT POSSIBILITY



RISK APPETITE

CHANGE MANAGEMENT

- BUSINESS AREA
- · STAFF / ROLES
- DEPARTMENT
- LOW-HANGING FRUIT
- SPECIFIC KPI

TRENDS



- DATA SCIENCE
- BIG DATA
- AI / ML
- Low Code
- HYBRID CLOUD











Production design







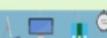








CPI



GDP













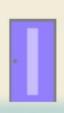






Infrastructure design





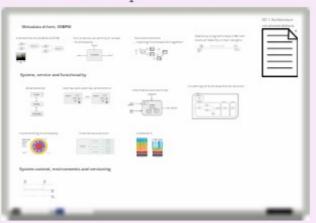


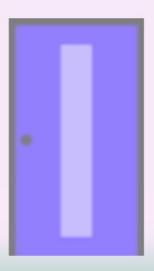


Reference models

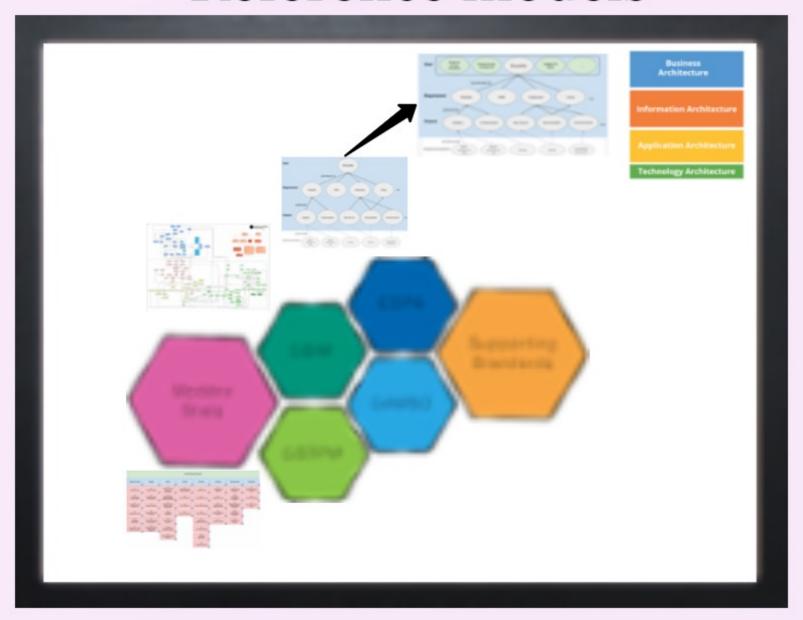


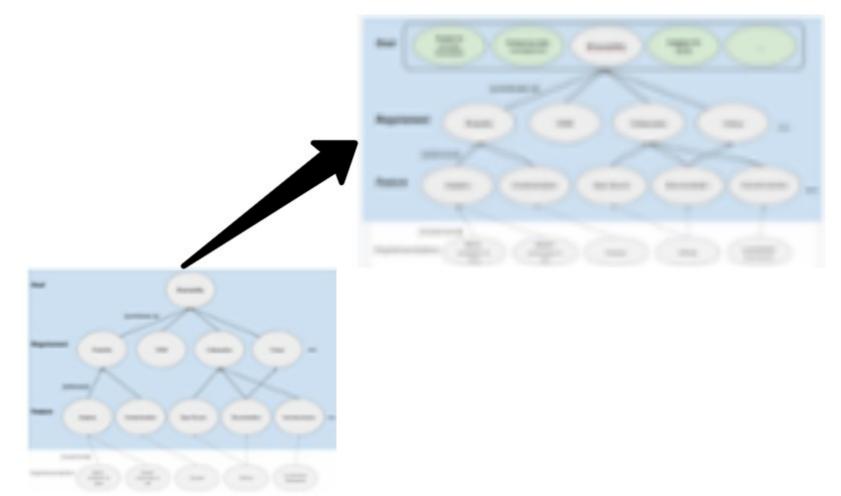
Concepts - "What"





Reference models





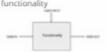
Concepts - "What"

Metadata driven, GSBPM

Connection to GSIM & GSBPM



Sub process, an activity or a task - functionality



Business function

- chaining functionalities together



Statistical programs have different levels of stability in their designs



D2-1 Architecture recommendations



System, service and functionality

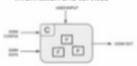
Relationships



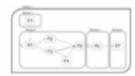
Internal and external architecture



Information and services



Clustering of functionalities to services



Implementing functionality



Function as a service



Containers



System context, environments and versioning



Metadata driven, GSBPM

Connection to GSIM & GSBPM

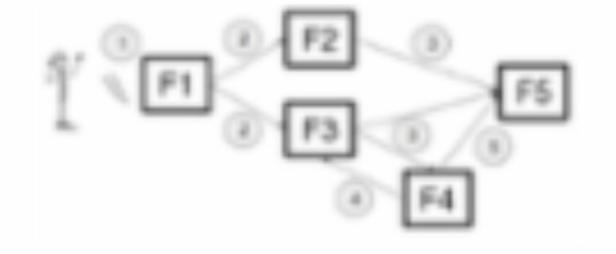


Sub process, an activity or a task

- functionality

Business function

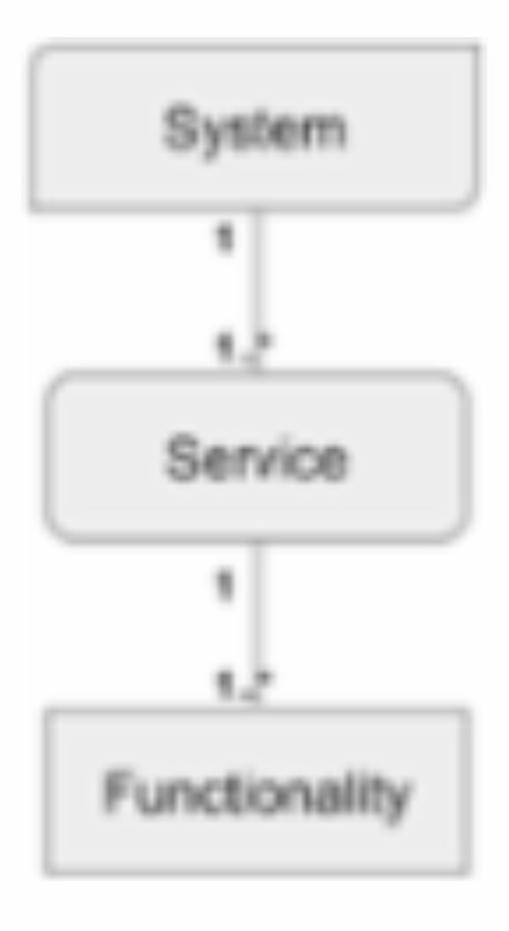
- chaining functionalities together



Statistical programs have different levels of stability in their designs

System, service and functionality

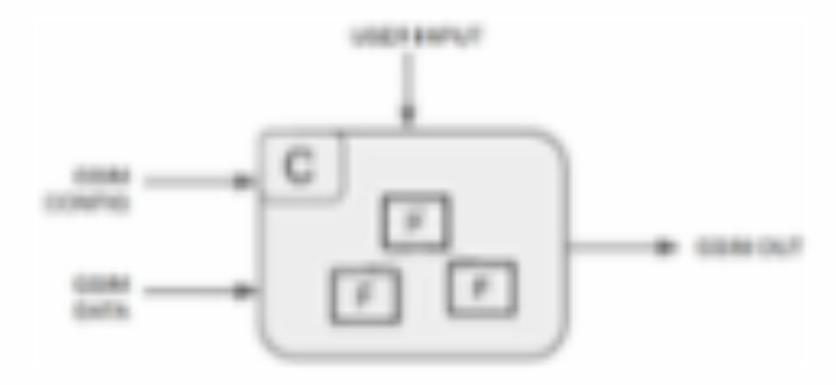
Relationships



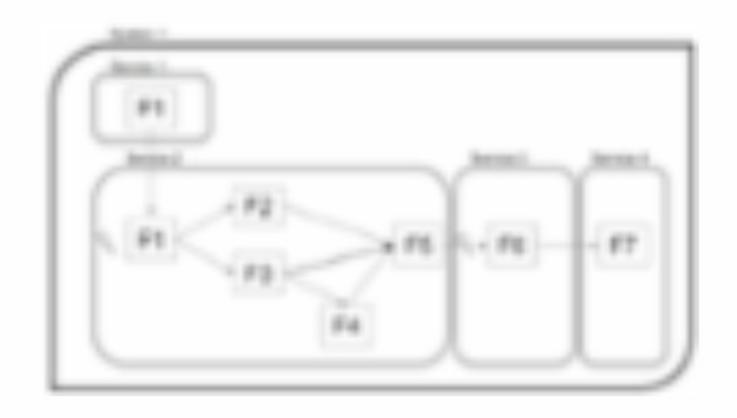
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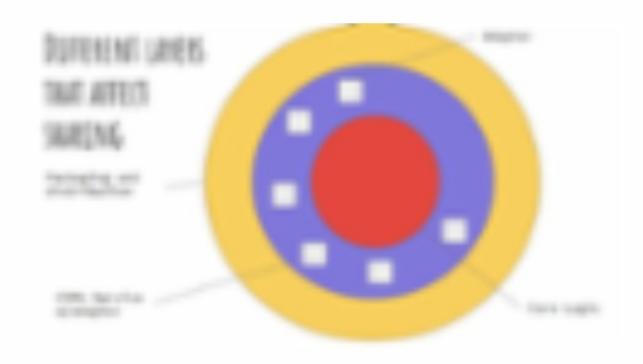
Information and services



Clustering of functionalities to services



Implementing functionality



Function as a service



Containers



System context, environments and versioning



Architecture design - "How?"

Sandboxing for exploration

Security





Performance and Scalability



Resilient services and error handling

Versioning

- Service ventioning
 Endpoint ventioning
 GSIM toructure ventioning
- information object into versioning



Deployment

Containerization

Design principles for service autonomy

Data management

Integration patterns





Host OS

Virtual Infrastructure

Physical Infrastructure -Server/Storage/Network



Multilingual support

Open source

Moving from legacy architecture to service oriented architecture

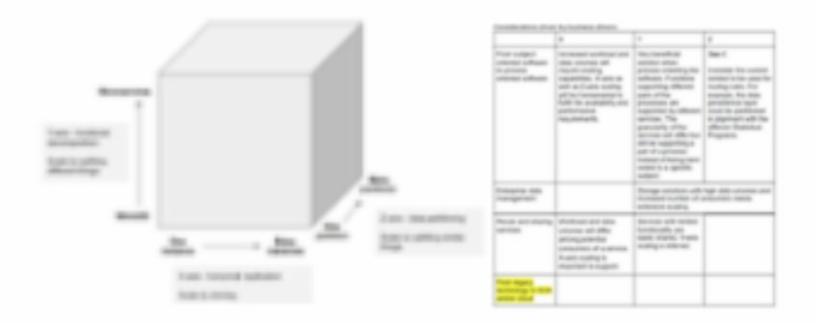
System/Application/Data Containerisation Host OS Virtual Infrastructure Physical Infrastructure -Server/Storage/Network

Sandboxing for exploration

Security



Performance and Scalability



Resilient services and error handling

Versioning

- Service versioning
- · Endpoint versioning
- GSIM structure versioning
- Information object instance versioning

Deployment Containerization Design principles for service autonomy Data management

Integration patterns



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Nesselle		
No. of Contract		
Militarios services		

Multilingual support

Open source

Moving from legacy architecture to service oriented architecture

Development (Cookbook)

Real examples of architecture decision making



FLDR - the service

Schoolbook examples of architecture decision making



Real examples of architecture decision making



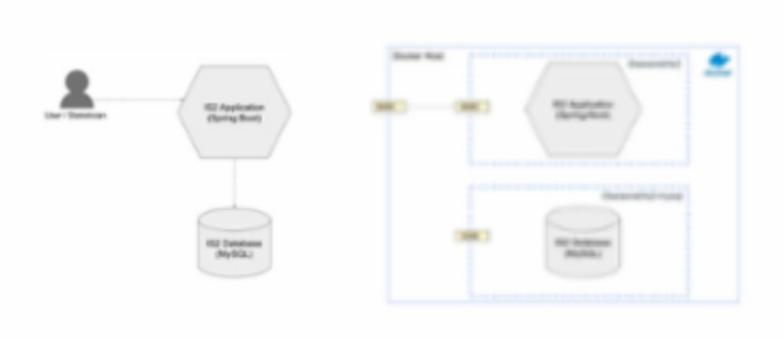






EXAMPLE)

IMPLEMENTATION OF CONTAINERIZATION



EXAMPLE 2 IMPLEMENTATION OF METADATA DRIVEN VALIDATIONS WITH ADAPTORS









Schoolbook examples of architecture decision making



TUDE: the service.

Section of September 1

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Colorism

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Manual Military

SCENARIO 1

FROM DISCONNECTED
SERVICES TO CONNECTED
METADATA DRIVEN

SCENARIO Z

CONTEXT AWARE

SCENARIO 3

REVISITING DATA

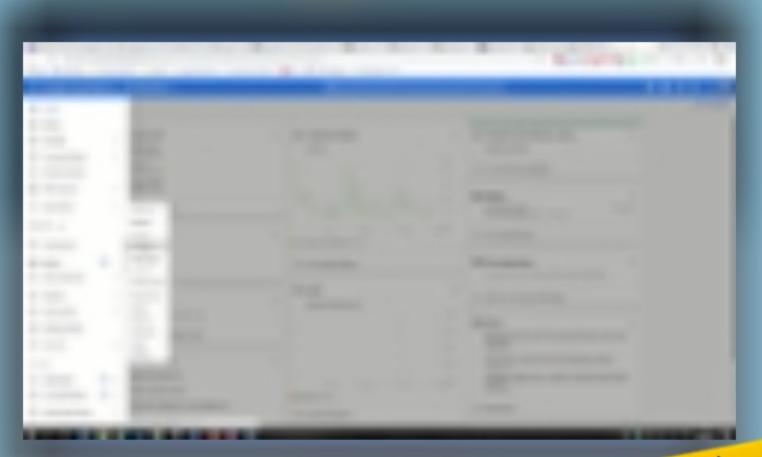
SCENARIO 4

CONTAINERS AND

MULTIPLE ENVIRONMENTS DESIGN-DRIVEN
INFORMATION FLOWS

SCENARIO 5





SCENARIO 1

FROM DISCONNECTED

SERVICES TO CONNECTED

METADATA DRIVEN

SCENARIO 1

FROM DISCONNECTED SERVICES TO CONNECTED METADATA DRIVEN











Reference models

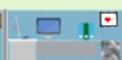
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Infrastructure design



