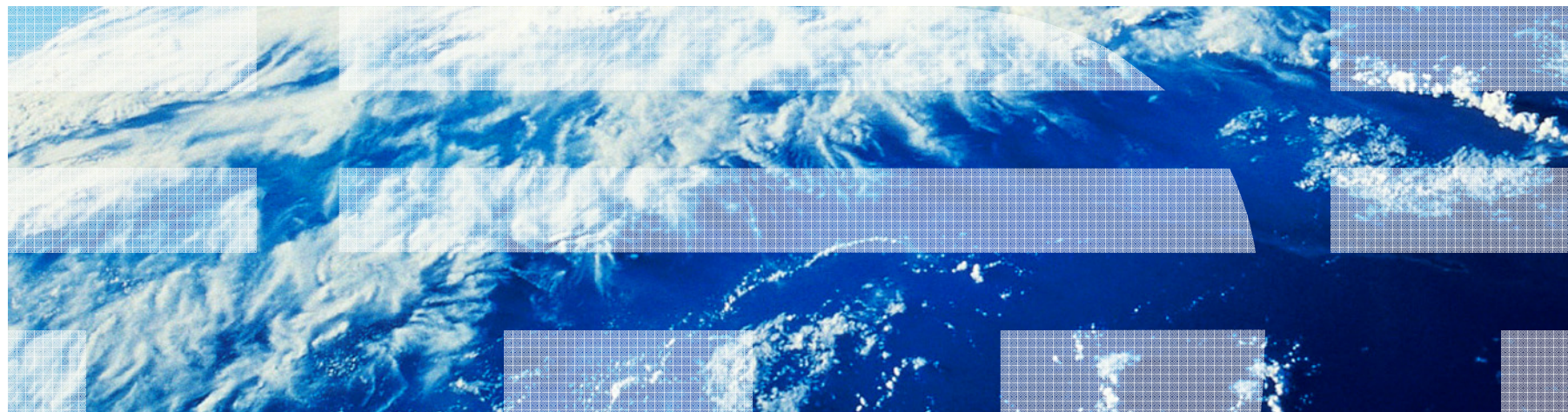


# **Datacap Advanced Technical Workshop**

## **for IBM Business Partners**

Februray 2012, Rome



## A brief introduction to your host for the next two days



**my name is Stefan Matschek**

**I am based in Vienna, Austria**

**member of the IBM Pan-IMT ECM Technical Sales Team**

**and one of your Datacap SME's in Europe**

**my current TOP THREE working interests**

1. Growing your Datacap Skills
2. Growing your Datacap Skills
3. Growing your Datacap Skills

Beside those core objectives I am ..

- supporting Datacap sales situation throughout Europe
- participating in the **Datacap Feedback Program** for the next Release
- keeping an eye on our extended Datacap Eco System
- keeping another eye on our Datacap Community in Europe

## Welcome **ALL** to this Advanced Datacap Workshop

First name	Last name	E-mail address	Company	Country
Marko	REDACTED !			
Ivan				
Katai				
Bjorn				
Giacomo				
Luca				
Laura				
Alessio				
Rocco Michele				
Matteo				
Roberto				
Olga				

---

## Our Overall Agenda

### Day 1

#### ***„A Datacap Project Life Cycle within a Single Day“***

Best Practices and Tools for a successful Datacap project delivery  
covering: *Analysis, Design, Build, Test, Deployment,*  
*Maintenance Phase*

**You will learn as a team in a team through your team !**

### Day 2

#### **„A Day with Hands-On Datacap Application Development“**

Strengthen your Datacap Application Development Expertise

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## Agenda - Day 1

### **Morning Session**

- 10:00 – 10:15      Welcome and Introduction
- 10:15 – 10:30      Workshop Overview and Logistics
- 10:30 – 12:00      How to Prepare, Run and Execute a Datacap Project

### ***Lunch***

### ***Afternoon Session***

- 13:00 – 14:00      Team Exercise #1: Prepare, Plan and Organize for your Project
- 14:00 – 15:00      A Compilation of Datacap V8.1 News

### ***Coffee Break***

- 15:15 – 16:15      Lab Exercise #2: APT
- 16:15 – 16:45      Lab Exercise #4
- 16:45 – 17:00

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## Agenda - Day 2

### ***Morning Session***

- 09:30 – 09:45           Where to get further Information and Training
- 09:45 – 10:30           The Datacap Application Panel Development Essentials
- *Break*
- 10:30 – 11:15           Lab: DotEdit Personalization with Custom panels
- 11:15 – 11:45           Taskmaster Web Applications and Web Application Server Details  
(WebScan, WebVerify, WebMonitor, WebAdmin, RV2, IIS, etc.)
- 11:30 – 12:00           Taskmaster Fingerprint & Fingerprint (Web) Service Details :
- ***Lunch***

### ***Afternoon Session***

- 13:00 – 14:00           Datacap BestPractices an Application Walkthrough Task by Task
- 14:00 – 14:30           Lab: How to – Customize the Taskmaster Web Form - Averify
- *Coffee Break*
- 15:00 – 15:30           Datacap Security
- 15:30 – 16:00           Wrap up

### ***Break***

- 16:00 – 17:00           Open Lab

---

## Lets spend some few minutes on **YOU**

- Please introduce yourself in a minute (Company, Job Role, ..)
- What Datacap skills do you have and what is your core professional domain (e.g. Designer, Developer, Architect, Technical Project Manger, Other)
- What are your personal learning expectations from this Workshop
- What are your current TOP THREE Datacap demands
- How long are you in your current company/position

## Course Logistics



**Workshop:** Presentation, Hands-on Labs and Team Exercises

▪ **Breaks:** several a day, two planned during the morning and two during the afternoon hours

▪ **Lunch:** unfortunately just one a day

▪ **Restrooms:** Leave the meeting room turn **LEFT** follow down the corridor to the almost very end and turn **RIGHT**. Follow the signs inside the rest rooms.

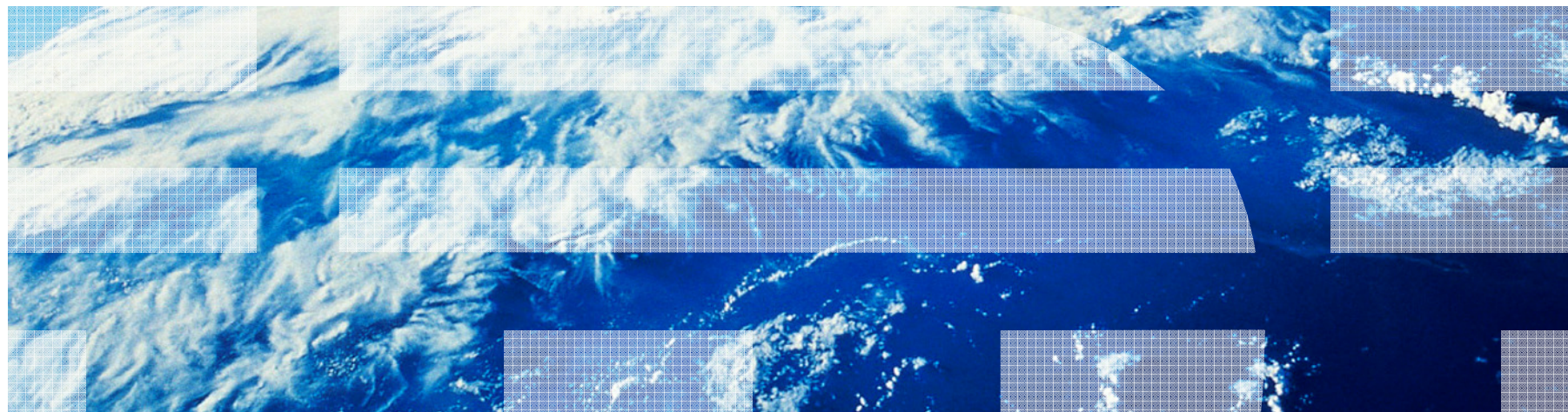
▪ **Evening:** Anyone interested to join for Dinner today ?

**Where can I get this great Italian Coffee ?**  
**Where can I go for a cigarette ?**  
**Follow the locals down to the IBM cafeteria**

In case you're getting lost within the next two days. Our workshop is located in the **IBM Briefing Center** in Rome in 5th Floor (= Piano 5) in Meeting Room „A....“



# Your Project Begins



## How to Prepare, Run and Execute a Datacap Project

- **Starting an IT Project with a unknown/new customer can become a cumbersome process ..**
  - Who is the Project Sponsor ?
  - Where are those people with the required business insights ?
  - Why do they ask me know on which HW they will need in 6 month ? – I don't know either
  - Ahhh - What type of project is this ?
  - We sold them Datacap but no one seems to care ? Was it just a sales mistake ?
  - They have so many locations, questions, requirements where should I start working on and where should I go to get all the questions answered ?
  - Why am I talking only to IT / LOB / etc. – where are the people who matter for my project objective ?
  - Who has the lead at this customer project?

.. I feel so alone :: - (

# How to Prepare, Run and Execute a Datacap Project

## **Understanding your customer's**

- Demands
- Existing Applications, Solutions and Infrastructure
- Future Directions and Plans (both business wise and infrastructure wise)
- Organisation
- Business Language
- Corporate Culture
- Business Model
- Business Pain Points

**All of this isn't always that straight forward and easy ..**

## How to Prepare, Run and Execute a Datacap Project

### **Common seen reasons for project issues / failure:**

- Project team did not have the required skills
- Project team had a long history in capture but not with Datacap and strictly followed the steps true for the other capture SW
- Project team did not spend enough time on the project definition (in/out of scope).
- Project team did not spend enough time on prerequisites
- Project team did not spend enough time on architectural constraints
- Project team did not thoroughly consider differences on performance (dev/test/production)
- Project team did not plan thoroughly for mitigating risks
- Project team did not plan for another project step iteration
- Project team failed in project documentation
- ... milestones, change mgmt, bugfixing, educating, and many more ..

## How to Prepare, Run and Execute a Datacap Project

### **Common seen issues caused by customer:**

- Customer is missing proper (technical) skills
- Customer has a long history in business but not with IT projects
- Customer has not precisely defined the project scope
- Customer has not mentioned their MUST HAVE / MUST FOLLOW prerequisites
- Customer has not mentioned some key architectural constraints
- Customer has not mentioned his/her performance expectations / wishes
- Customer has not communicated major project risks points
- Customer has a tight go-live plan (zero buffers)
- Customer isn't using a precise wording
- ... milestones, change mgmt, bugfixing, educating, and many many more ..

## How to Prepare, Run and Execute a Datacap Project

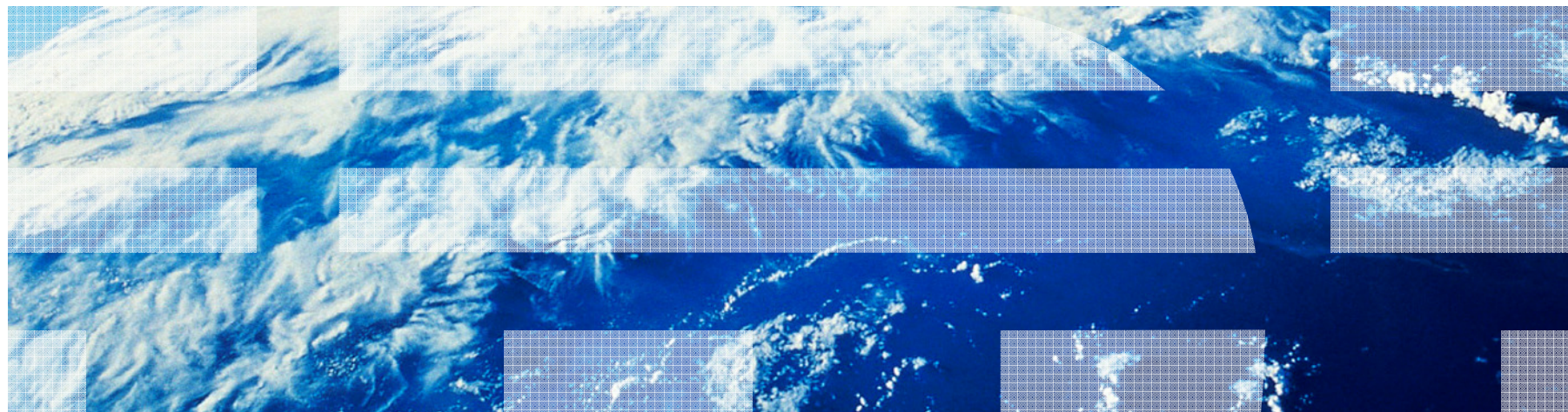
*„Finally it isn't your customer's fault or responsibility in gather all required information and thoroughly plan for a successful project and solution delivery.“*

***It is all YOURS !***

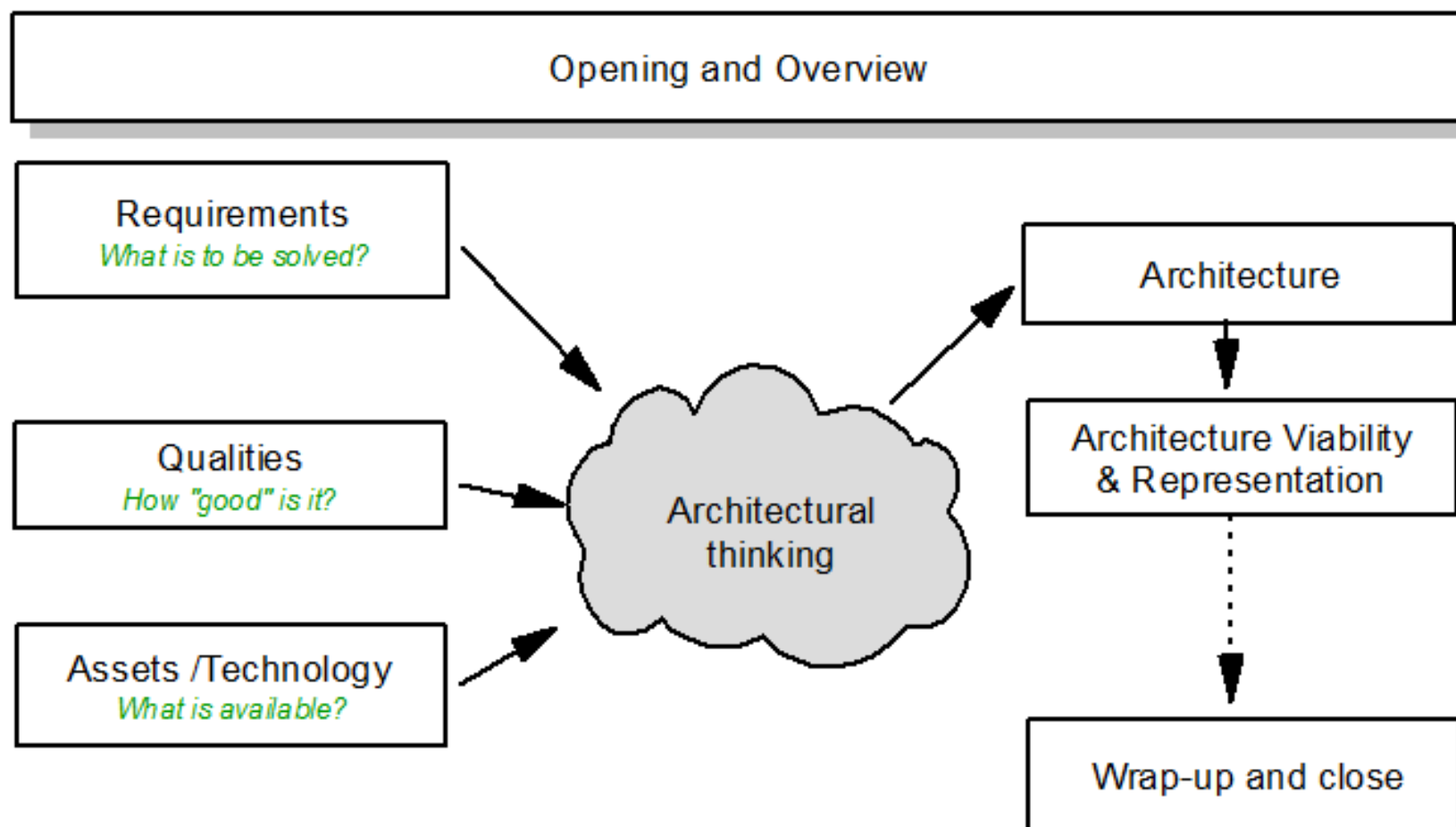
***You have to address, consider and plan for each of those issues and risks in your project !***



# Plan and Prepare for your Project



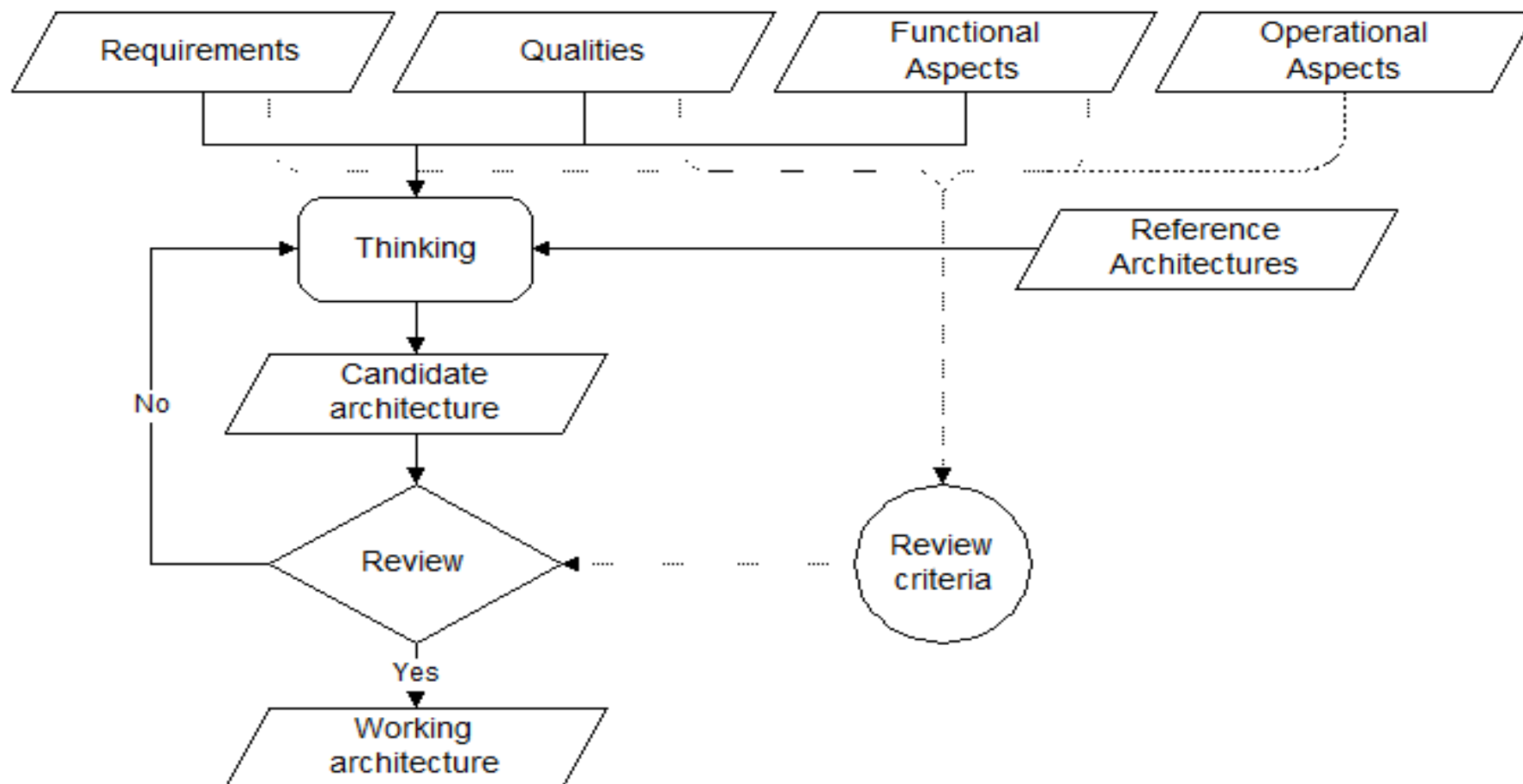
Planning involves looking at inputs, the thinking process, and outputs



Architectural Thinking



## Planning for a solution is an iterative and complex process



Source: Architectural Thinking Course

Architectural Thinking

---

Plan and Prepare for your Project

# ***The Project Kick-Off Meeting***

## ***A one Fits All Meeting***

„Think of it like the Overture in a Great Opera“

**But don't let your project end like an Opera !**

## The Project Kick-Off Meeting

- **Prepare for the Meeting**
- Introduce the Team
- Introduce the Project
- Introduce the Solution
- **Discuss Key Project Aspects**
- **Listen and Document all Comments (→ Create a protocol)**

**Don't Overload your Project Kick-Off Meeting !**

**Dependent on your project complexity and/or number of people involved  
plan for a 2nd, 3rd iteration and schedule a Project Definition Workshop(s)**

# ***The Project Definition Workshop***

*„The big brother of the  
Kick-Off meeting“*

**The Results will be documented in a Project Definition Report !**

## The Project Definition (Workshop)

### ▪ **Prepare the meeting:**

- Document the project base: project definition incl. customer's project execution guidelines if existing
- Project organisation

Objective: General understanding of project responsibilities

### ▪ **Run the meeting:**

- Precise definition of objectives (matching of objectives vs. expectations)
- Precise project delivery definition (project scope)
- Tasks identified out of scope definition (use and define precise „project terminology“ – wording)

**Create an initial Work Breakdown Structure !**

## The Work Breakdown Structure

**What should be inside your project planning WBS ?**

- **Provision for Known Structures (What and How )**
- **Definition of WBS (Results = Objects, Activities = Methods, Offer = Project)**
- **Prerequisites for WBS (Requirements, Recommended Solution, Working/Architectural Models and Standards)**
- **Objective of WBS (identifying project scope and –structure; logical working sequence; work unit segments; order and responsibility of results and work units)**
- **Usage (estim. base, grouping, plan/verify, Milestones/Checkpoint, progress report, risks, communication, responsibility assignm., interfaces/dependencies)**
- **Type, Grouping and Description (Result: What = Object xy; Activity: Phase = Taskgrp etc.)**
- **Objective of each structure for planning (Documentable, Planable, Executable, Reproducible)**

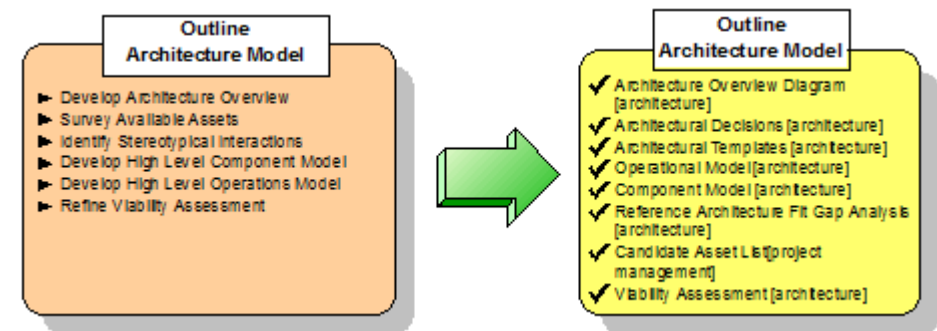
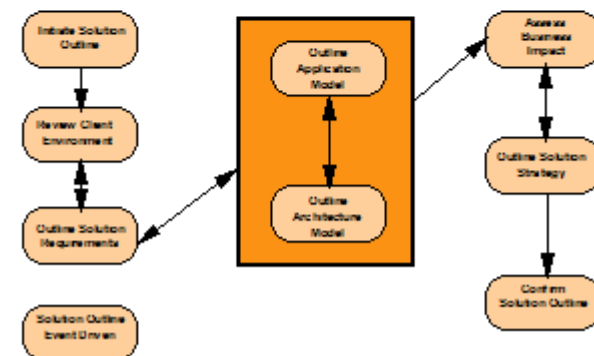
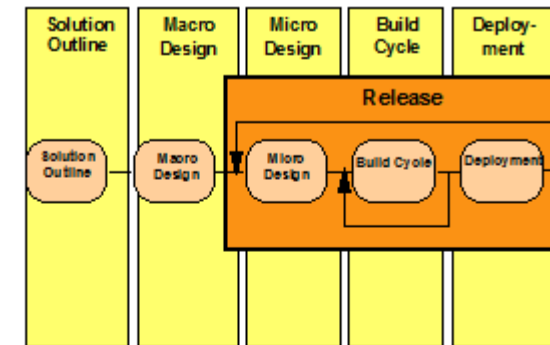
# ***The Work Breakdown Structure***

***„Tailoring your project in well manageable entities“***

**Manage Your Project Don't Let The Project Manage You !**

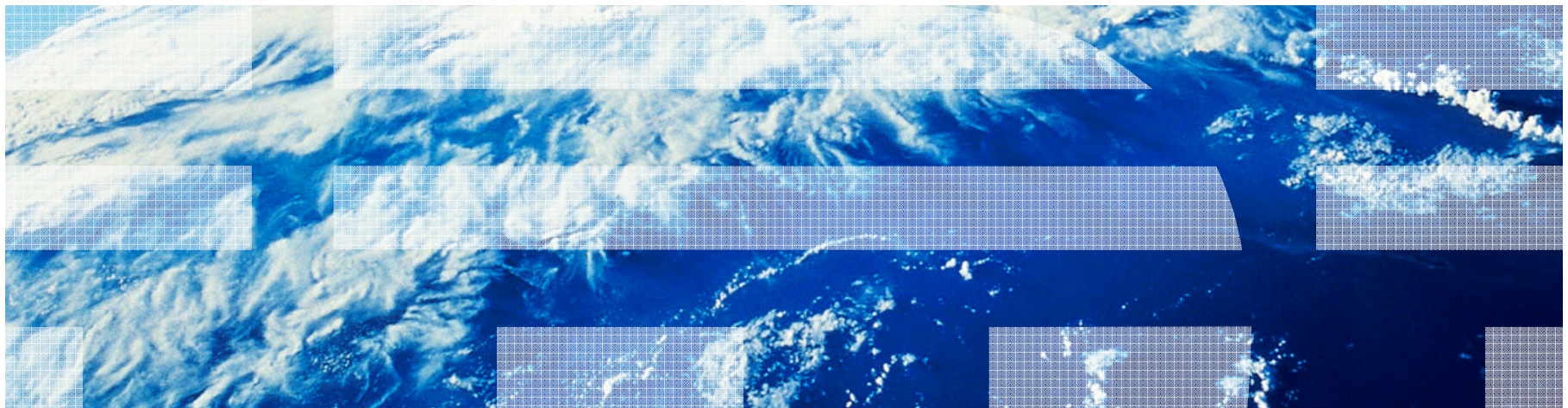
## Phases, activities and tasks structure the project and reduce complexity

- Phases
  - Major contractual milestones
  - Influenced by how our customers want to do
  - business and our software engineering theory
  - Coupled with the estimating approach
- Activities
  - Groupings of related tasks
  - Sequences the work during an engagement
- Tasks
  - Unit of work for planning, scheduling and
  - estimating
  - Process of transformation
  - Each task description defines
    - inputs
    - outputs
    - roles





# Analysis and Design for your Application



## Analysis

- **Entry Criteria for Analysis are:**

- Cost Coverage / ROI Approved
- Project Plans controlled / approved
- Detailed Project Plan / Check-point-plan for Section „Analysis“
- Project Definition Report exist

- **Common Topics covered in an Analysis:**

- Datamodel
- Processmodel (User View)
- Relationships between Data- and Processmodel
- In/Out Scopt, Interfaces to external systems (Context Diagram)
- Description: How to convert old systems
- Initial GUI Design
- Appl Prototyping

- **Common Topics covered in an Analysis:**

- User/Usage Diagrams
- Usability (Hotkeys; Mouse etc.)
- GUI element / list layout (Drop-down lists, Combo box, Buttons, Fields, sorting etc.)
- Parameter externalisation (flexibility requirements)
- Required language support
- User / -profiles
- Errorhandling / -messages
- Multi-language support
- Regional support (regional law dependencies)
- Testorganisation / -structure / Functional Test Cases
- Architectural-Guide
- Documentation (Glossar – MUST / Sample Chaptures / Plan)

**Another Term for Analysis is High Level Design (Macro Design)!**

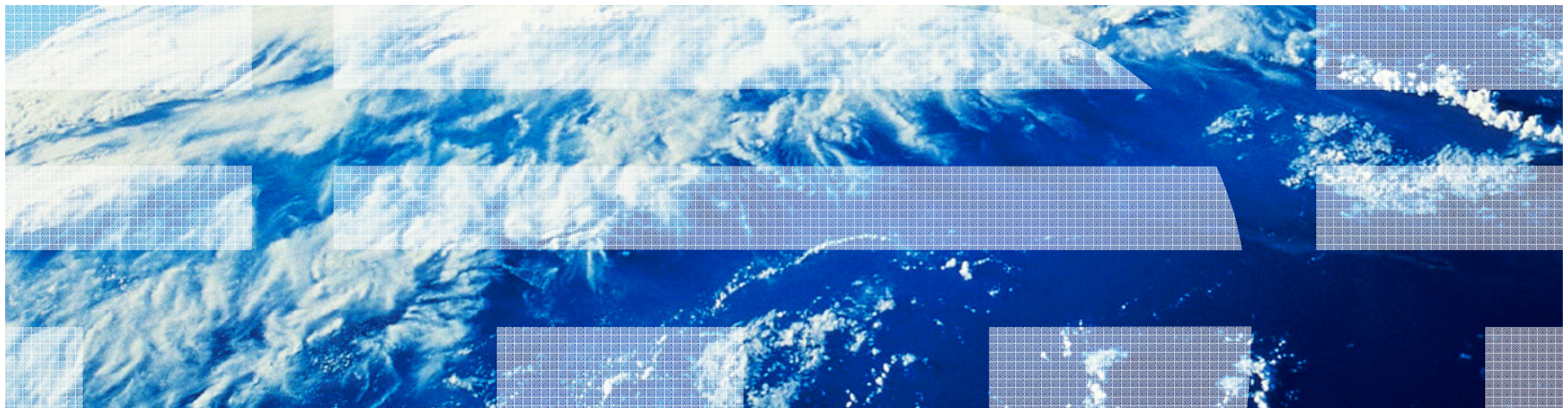
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## Design

- **Entry Criteria for Design are:**
  - Output Criteria of Analysis and the other previous project phases
  
- **Common Topics covered in an Design:**
  - Application Architecture
  - Programming structures
  - Datasets
  - Discrepancies to Architectural-Guidelines
  - Definition of Performance Criteria
  - Errorhandling
  - All GUI Definitions
  - Dependencies
  - Security (Appl + Data)
  - Recovery
  - Access control
  - Test cases (Unit-, Integration, Systemtest)
  - Architectural Guide (update)
  - Prototype (update)

**Another Term for Design is System Design (Micro Design)!**

# Build and Test your Application



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## Build

- For relevant details on How to build a Datacap Application I recommend to thoroughly study and read our Guide **Application Development using IBM Datacap Taskmaster Capture** (SC19-3251-05) which can be found in our Datacap V8.1 Publication Library on:

<http://www-01.ibm.com/support/docview.wss?uid=swg27035774#docs>

→ go to the PDF documentation section for download

- In addition our regular Datacap Information Center covers a whole section on **Developing capture applications**

<http://pic.dhe.ibm.com/infocenter/datacap/v8r1m0/index.jsp>

→ go to the referred section in the Contents table

- **Implementing Imaging Solutions with IBM Production Imaging Edition and IBM Datacap Taskmaster Capture**

<http://publib-b.boulder.ibm.com/abstracts/sg247969.html?Open>



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## Lab Exercises

- For you as advanced Datacap professionals/developers we recommend to follow on following Lab exercises in your Lab Handbook:
- FastDoc
- Accounts Payable (APT)
- Datacap Studio Deep Dive
- Email Integration
- P8 Integration
- Batch Splitting
- Web Services

Figure 3-1 shows a typical Taskmaster process.

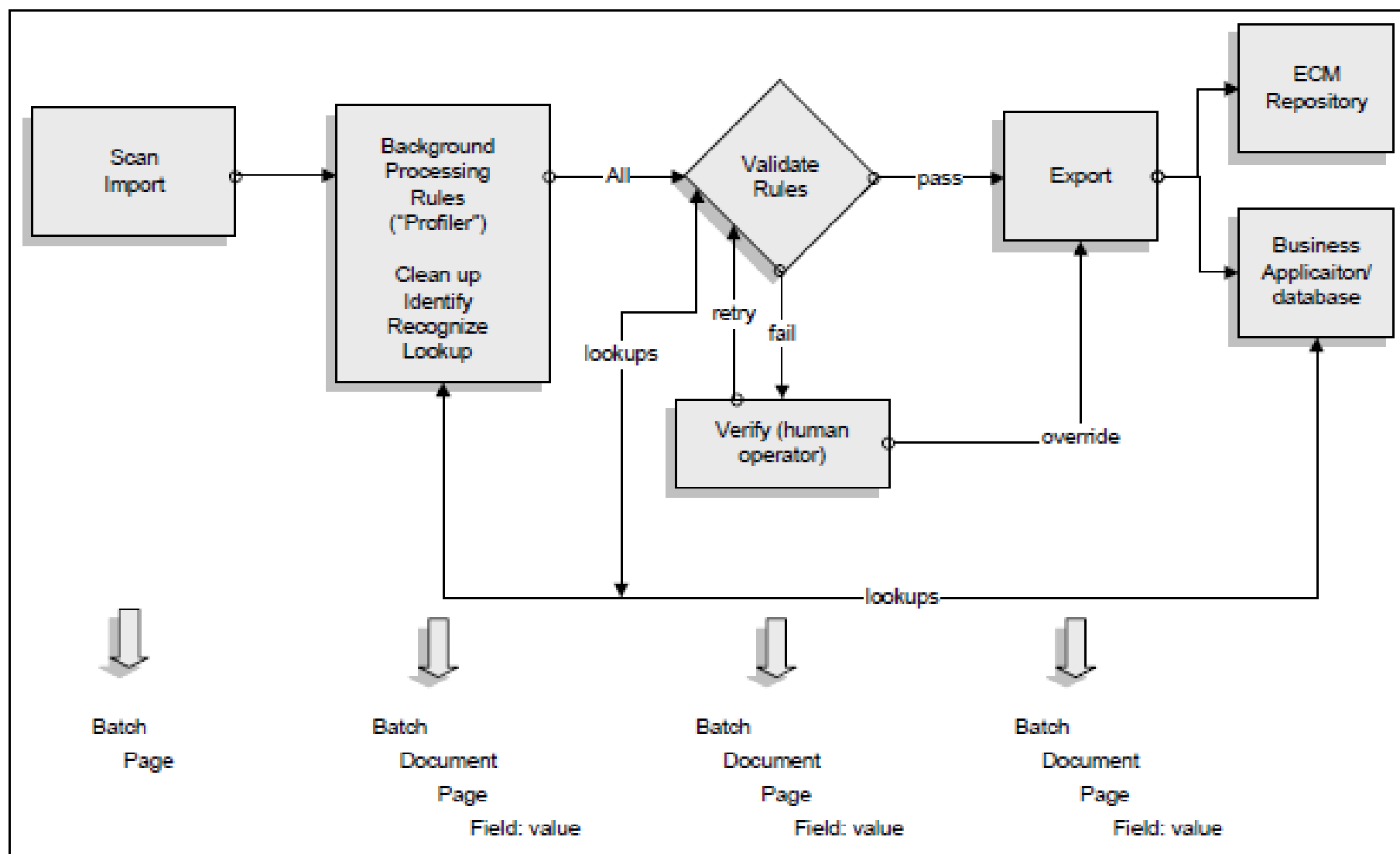
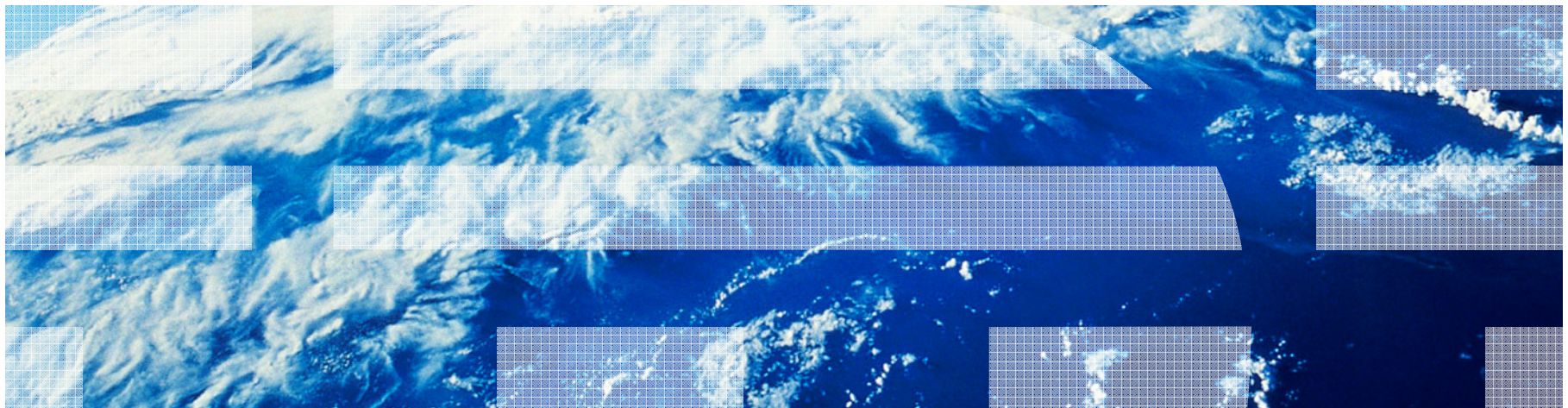


Figure 3-1 Taskmaster process

# Deploy and Maintain your Application





## Deploy and Maintain

I'm listing some of your communicated demands towards this topics based on our valuable individual conversations during the past two days here:

- Best practises to maintain already deployed productive Datacap applications:
  - Custom Application Versioning  
(DCO, Application Rules, Custom Action, etc.)
  - Version Control Managment Integration  
(Recommended tools; How to integrate; What to avoid)
  - Maintainance of a productive Datacap Application  
(PMRs, Fixes, Updates, Backup/Recovery etc.)
  - Change Request Management

**Stay tuned, I will come back with more on those topics to you !**

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## Agenda - Day 2

### ***Morning Session***

- 09:30 – 09:45           Where to get further Information and Training
- 09:45 – 10:30           The Datacap Application Panel Development Essentials
- *Break*
- 10:30 – 11:15           Lab: DotEdit Personalization with Custom panels
- 11:15 – 11:45           Taskmaster Web Applications and Web Application Server Details  
                                  (WebScan, WebVerify, WebMonitor, WebAdmin, RV2, IIS, etc.)
- 11:45 – 12:30           Lab: How to – Customize the Taskmaster Web Form - Averify

### ▪ ***Lunch***

### ***Afternoon Session***

- 13:30 – 14:30           Datacap BestPractices an Application Walkthrough Task by Task (Hands-on & interactive)
- *Coffee Break*
- 14:30 – 15:00           Taskmaster Fingerprinting (DCO/FPXML) & Fingerprint (Web) Service Details
- 15:00 – 16:30           Datacap Security (skipped for an extended Application Walkthrough as known to everybody)
- 16:30 – 17:00           Wrap up

---

## Slides Day 2

### **See the independed slide leveraged on day 2 !**

- This slide deck just contains some few additional slides on various informations shared with you during this hands-on day.

# The NEW - IBM Datacap Knowledge Center

**IBM** Country/region [ select ]

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Search:  Go Scope: All topics Hello, guest [Sign in](#)

**Contents**

- Information center home
- Overview
- Planning your capture system
- Migrating from previous releases
- Installing and configuring on a single machine
- Installing and configuring in a client/server environment
- Configuring Taskmaster databases for SQL Server or Oracle
- Removing IBM Datacap Taskmaster Capture installations
- Customizing and running Datacap applications
- Administering your system
- Developing capture applications
- Troubleshooting and support
- Reference
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**IBM Datacap Information Center**

IBM has a new way for you to search, view, and collaborate with documentation. Preview the new [Knowledge Center](#) now!

This information center contains documentation and other information for IBM® Datacap. This information center was last updated in November 2013.

**Learning** **Tasks** **Community and Support**

Find information about getting started, troubleshooting, downloading fixes, and other common tasks.

**Get started**

- [Hardware and software prerequisites for IBM Datacap, Version 8.1](#)
- [Release notes](#)
- [What's new in IBM Datacap, Version 8.1](#)
- [Planning your IBM Datacap Taskmaster Capture system](#)

**Perform common tasks**

- [Migrating from previous releases](#)
- [Installing IBM Datacap Taskmaster Capture on a single server](#)
- [Installing and configuring IBM Datacap Taskmaster Capture in a client/server environment](#)
- [Developing IBM Datacap capture applications](#)

**Resolve problems**

- [Troubleshooting IBM Datacap Taskmaster Capture](#)

**Information center tips**

GO Search scope: All topics

**Search scope:** Create custom search scopes to limit the information returned in the search results. Click the Search scope link next to the search field to get started. The name of the currently selected search scope is displayed, or 'All topics' if no scope is active.

## Our Datacap developerWorks Community

IBM


English

Sign in (or register)

**developerWorks®** Technical topics Evaluation software Community Events

**Communities** This Community

**Datacap Technical Mastery Business Partner Community** [Log in to participate](#)

**Datacap Technical Mastery Business Partner Community**

- Overview
- Recent Updates
- Members
- Wiki
- Forums
- Bookmarks
- Files

**Community Description**

**Datacap Taskmaster** is a full function capture platform for forms processing, distributed capture, document capture and document identification.

Improve efficiency, reduce costs, increase accuracy and feed workflows for maximum productivity in a demanding world.

This group is designed as a platform for business partners, IBM'ers and Datacap SME's to engage and collaborate across boundaries on Datacap related questions, materials, and other stuff. This community is owned by you as Datacap trained professional, please fee free to engage and collaborate as you wish. We will have SME's and WW members on the community so please feel free to share and ask questions.

Put in your profile a minimum of information about your experience with Datacap, ECM and/or capture and imaging, to IT in general or business process. As there are people from all over the world, your input may help as well.


[Datacap, imaging, solution, taskmaster](#)

**Wiki**

**Important Bookmarks**


- [Data Capture Resource Library](#)
- [Datacap Capture Development Kit 8.1](#)
- [Datacap Home Page](#)
- [Datacap InfoCenter 8.1](#)
- [Datacap Publication Library 8.1](#)
- [Fixpack Central](#)

**Members**

  
[View All \(432 people\)](#)

**Related profiles**

Explore profiles related to this group.



## DotEdit – Image Manipulation

- Image Manipulation
- DotEdit does not allow direct manipulation of the image control from the user panel.
- DotEdit DOES now refresh the image on return from an AltTaskProfile.
- TIF/TIO toggle needs to be done via scripting (SwapImages from Invoice.rrx may be used, however since the swap is permanent you should create a variable that designates which actual image is being used so the proper one can be exported.)
- Page browsing/Image zooming is done via mouse only.
- AltTaskProfiles can run a DotNet action that throws up an alternate image control.
- Warning! Image Manipulation will most likely make your application incompatible with TMWeb.

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## Backup Slides

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## Basic configuration concepts

**Rulesets, rules, functions, and actions**

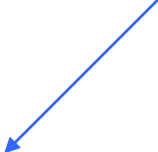


## Rulesets, rules, functions and actions

- Configurations are created by configuring actions, functions, rules, and rulesets
- Actions – discrete operations available via a reusable library
- Some actions are perform complex tasks
  - That is, perform full page OCR (Optical Character Recognition), perform image enhancement, upload document to repository
- Some actions perform very simply tasks
  - For example, set a variable value, rename a file, compare values of two variables
- All actions return a boolean return value, and optionally other data
- Functions are a group of actions that are executed until one of them returns false **or** until all actions are executed successfully
- Functions also return a boolean value, determined by success of its actions. If an action returns false, then the function returns false. If all the actions in a function are executed successfully, then the function returns true.

## Rulesets, rules, functions and actions

- Example



Tests the first  
barcode found with  
value specified by  
the parameter

### Function1

ReadBarCode("ENDDOC")

SetDCOType("EndDoc")

SetDCOStatus("74")

SetDocumentType("Inst Multi")

- The first bar code is read on the page.
  - If the value is "ENDDOC", then action returns true.
  - If value is something other than "ENDDOC", or no bar code is found, then action returns false and execution of actions in this function end.

## Rulesets, rules, functions and actions

- Example of functions and actions being used to help classify and separate a document using barcodes

### Function1

```
ReadBarCode("ENDDOC")
SetDCOType("EndDoc")
SetDCOStatus("74")
SetDocumentType("Inst Multi")
```

\*\*\* Execution of  
functions ends  
when one  
function returns  
TRUE

### Function2

```
ReadBarCode("ENDCLM")
SetDOCType("EndClaim")
SetDOCStatus("74")
```

### Function 3

```
SetDocStatus("10")
```

## Rulesets, rules, functions and actions

- A RULE is made up of one or more functions.

Classify by Barcode Rule

Function1

ReadBarCode ("ENDDOC")

SetDCOType ("EndDoc")

SetDCOStatus ("74")

SetDocumentType ("Inst Multi")

Function2

ReadBarCode ("ENDCLM")

SetDOCType ("EndClaim")

SetDOCStatus ("74")

Function 3

SetDocStatus ("49")

- Functions are actions sequenced by logical AND conditions
- Rules are functions sequenced by logical OR conditions

- <sup>44</sup>▪ This is an example of barcode-based classification and separation

---

## Rulesets, rules, functions and actions

### Another example:

```
Lookup Provider State Rule
  Function1
    Is Field Hidden
  Function2
    ConvertToUpperCase()
    SmartSQL("Select PO_Abbreviation from StateZip where PO_Abbreviation='"+@F+'';", "No")
    SetConf("9")
  Function3
    AddToErrorMsg("Invalid State Found")
```

This is an example of field validations using database lookups

## Rulesets, rules, functions and actions

- Rulesets are groups of related rules
- Example:

Validation Ruleset

- +Lookup Provider State Rule
- +Lookup Provider ZIP Rule
- +Get Tax ID or SSN Rule
- +Check Valid Data Rule
- +Calculate Charges Rule

The “+” is to remind you that the rules are expanded into functions and actions

---

## Rulesets, rules, functions and actions

- Actions are reusable and are in the Actions library
- Custom actions can be written in VisualBasic and .NET
- Look in C:\Datacap\RRS for existing shared actions written in VisualBasic (with .rrx extension)
  - For example, Export to P8 actions are stored in C:\Datacap\RRS\FilenetP8.rrx
- Application specific actions are stored in the application directory
  - For instance, Validations actions specific to the Medical Claims application are stored in C:\Datacap\MClaims\dco\_Institutional\rules and in C:\Datacap\MClaims\dco\_Professional in a file called MC\_Validation.rrx

---

## Basic configuration concepts

# The document hierarchy



---

## The document hierarchy

- Taskmaster deals with **batches** of documents
- A single batch of documents is processed by a single configuration (or job)
- Let's look at what is in a **batch**
  
- A batch is made up of one or more documents
  - Each document can have a different document type
- A document is made up of one or more pages
  - Each page can have a different page type
- A page is made up one of more fields
  - Each field can have it's own characteristics
  
- Documents and batches can also have fields associated with them. More on this later....
- Batches can also have pages that are not part of a document.

## The document hierarchy

- Example – The Account Payable application

APT	← Batch
Other	← Page
Invoice	← Document
+Main_Page	← Page
+Trailing_Page	← Page
+Attachment_Separator	← Page
+Attachment	← Page
Separator	← Document
Document separator	← Page

The “+” is to remind you that the pages can be expanded into one or more fields

---

## The document hierarchy

- Example - The Accounts Payable application (continued)

### Main page

Vendor

Vendor\_Number

Remittance\_Zip

Invoice\_Number

Invoice\_Date

PO\_Number

Tax

Shipping

Invoice\_Total

Invoice\_Type

Add\_New\_Fingerprint

Routing\_Instructions

Details

## The document hierarchy

- Fields can be “hidden”
  - For example, Routing\_Instructions is not a field that you capture from an invoice, nor is it anything that shows up on the Verification user interface
  - It contains data that is used to determine processing flow (more on workflow later ...)
- Fields can have sub-fields
  - For instance, Details is a field that contains subfields for the invoice line item data

Details

Lineitem

ItemID

ItemDesc

Qty

Price

LineTotal

POLineNum

---

## The document hierarchy

- Batches and documents can also have fields associated with them
- Example:
  - The Medical Claims application batch has two fields associated with it
    - Expected\_Documents
    - Expected\_Pages
  - A scanner operator can enter these control values prior to scanning a batch, and then Taskmaster can perform validations against these expected values

---

## Linking rules to the document hierarchy

- Rules can be linked, or “bound,” to any element of the document hierarchy
  - You **scan** a batch
  - You **upload** a document
  - You **classify** a page
  - You **validate** a field
- Rules can be bound to either the opening or closing of an object
- Only one rule per ruleset can be bound to any one part of the hierarchy

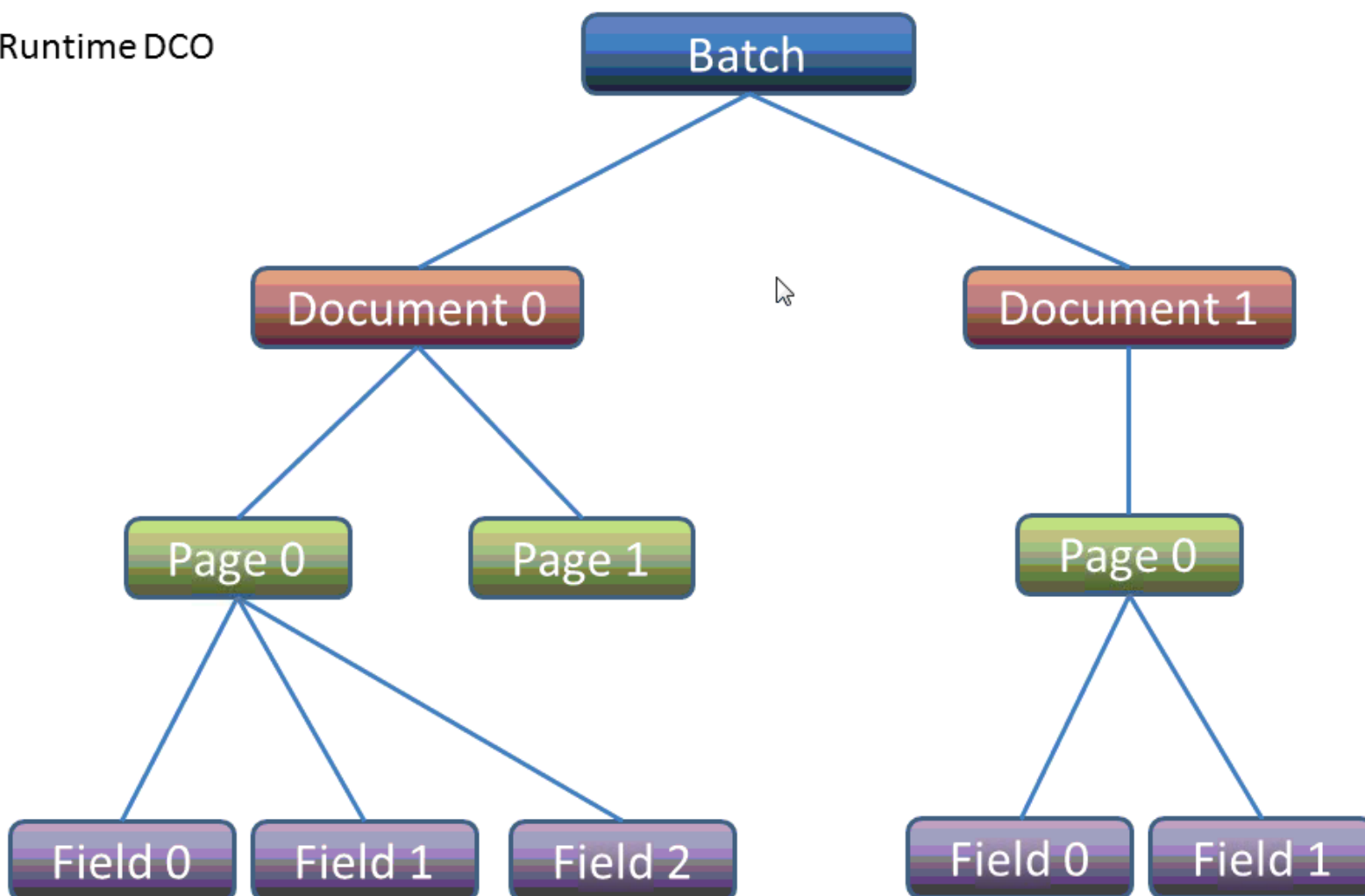
---

## The document hierarchy

- Each element of the document hierarchy has variables associated with it
  - Accessed by locking the hierarchy, then right clicking and selecting “Manage Variables”
- Three default variables defined for any object in the hierarchy
  - MAX
  - MIN
  - ORDER
- These variables are used to help determine if documents and batches are being assembled correctly
  - We will look into this in more detail later in the lab

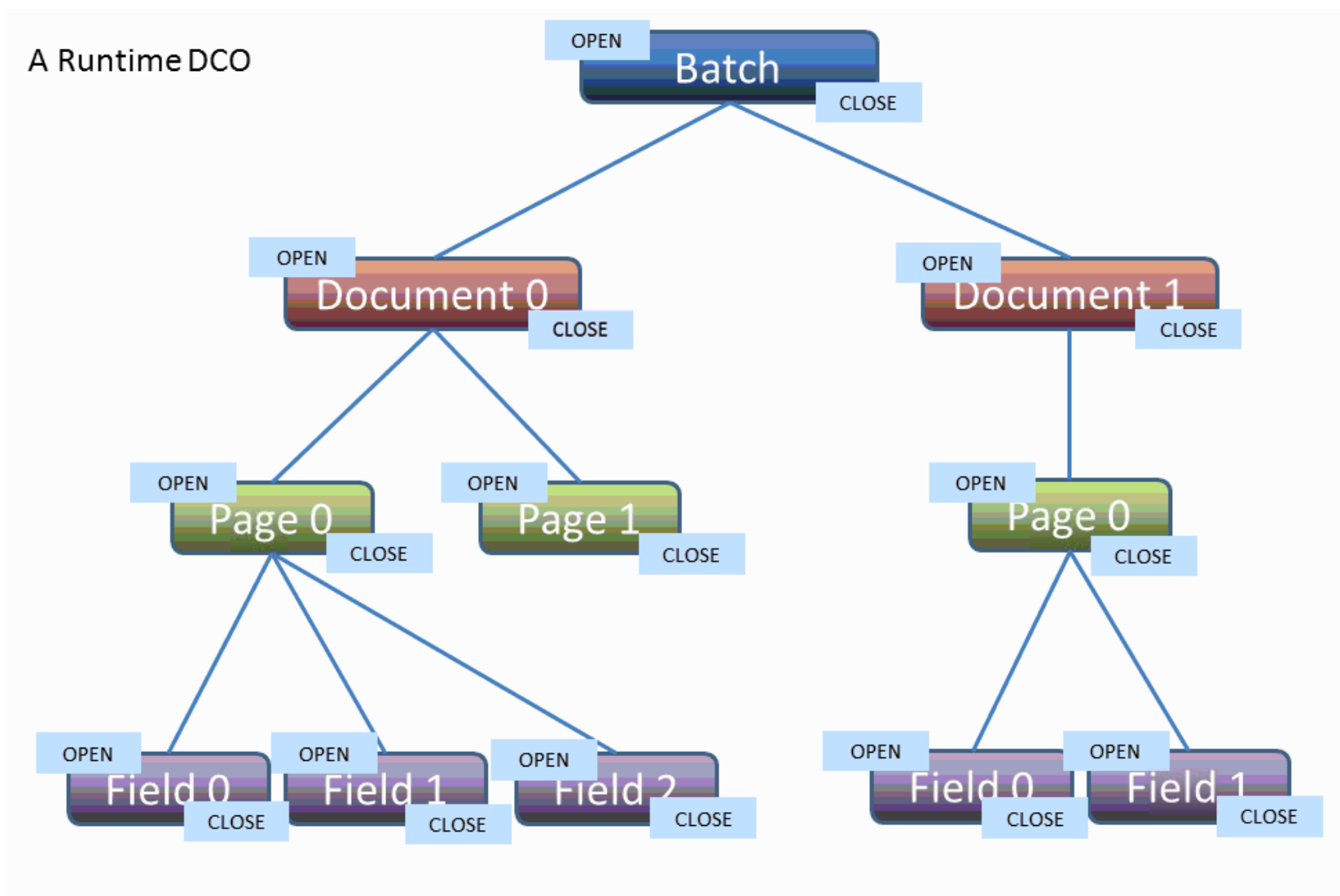
## A Runtime DCO

A Runtime DCO





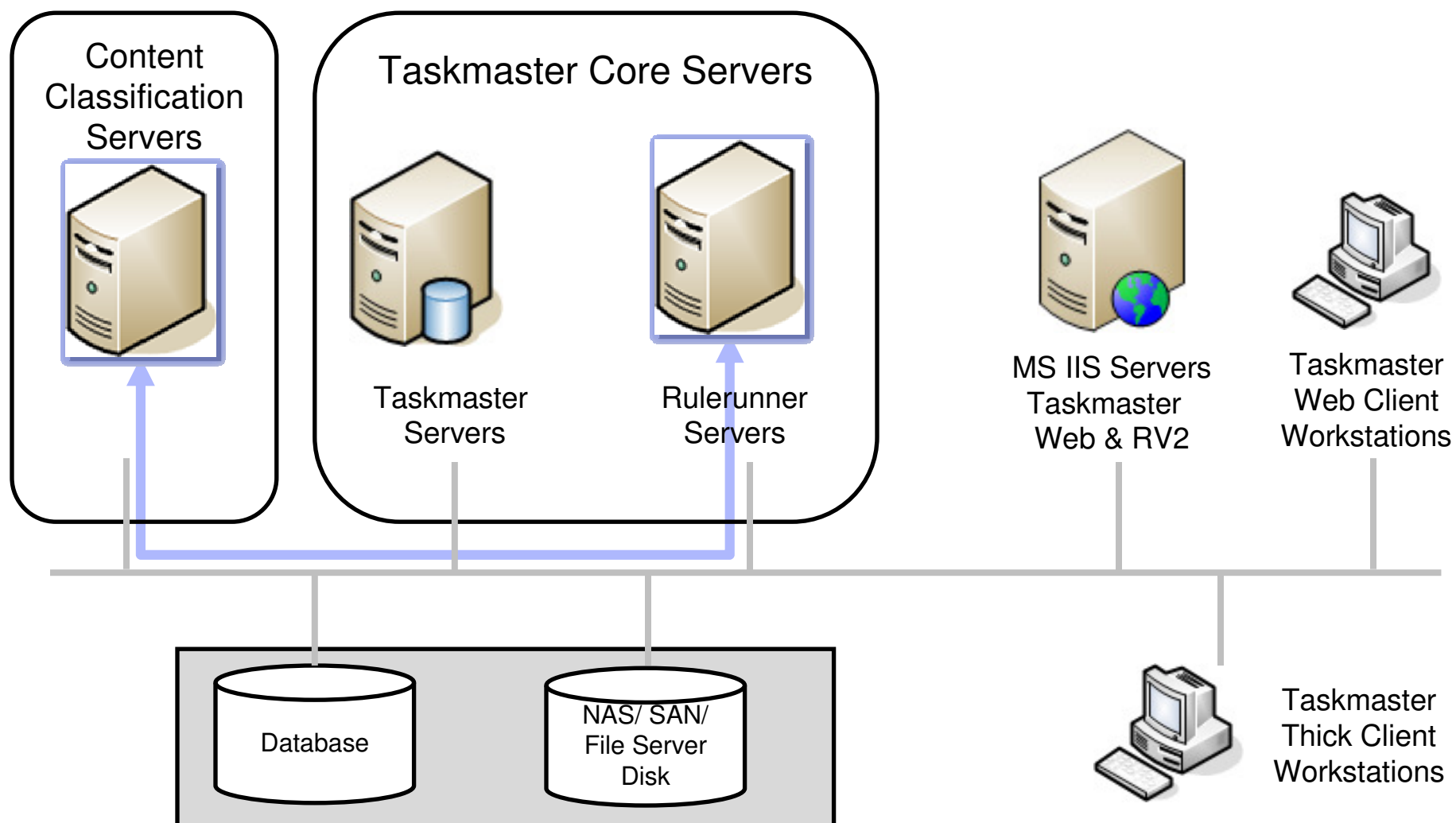
## The Runtime DCO – Processing Tree



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# USING IBM CONTENT CLASSIFICATION WITH DATACAP TASKMASTER

# Taskmaster – Content Classification Conceptual Diagram



## Content Classification

- Classification by Contextual Understanding
- Text Analysis, Statistics, and Learning by Example



### Datacap Taskmaster

#### Input

1. BORROWER'S PROMISE TO PAY

In return for a loan that I have received, I promise to pay U.S. \$ (this amount is called "Principal"), plus interest, to the order of the Lender.

I will make all payments under this Note in the form of cash, check or money order.  
I understand that the Lender may transfer this Note.

#### Output

**Note Main Page (92%)**

#### Feedback

**Note Main Page**

### Content Classification

## How does NSi AutoStore integrate with Datacap ?

- The Datacap component is an AutoStore Route component (and eConnector) that creates batches in a Datacap processing server via Web Services
- Integrate a Datacap workflow with AutoStore system metadata and dynamic variables (NSi RRT's)
- Job failure/success notification and audit tracking capabilities
  - Notification Options component
  - Workflow Tracker component
- Features
  - Capturing scanning related meta-data at the panel of an MFD or Mobile device (Web Capture)
  - Assigning page type to scanned documents
  - Assign batch, page and field level meta-data from AutoStore

**Datacap 8.1**

Web service settings:

Service endpoint:

User name:

Password:

Datacap application settings:

Application management file:

Send to application:

Job name:

Data settings:

Set page type:

Metadata

Name	Value	DCO Level
<p><b>Metadata you would like to send together with your images to Datacap</b></p>		

# A Compilation of Datacap Technotes

- Why is the IBM Datacap Job Monitor dropdown list turning into an edit box?  
<http://www-01.ibm.com/support/docview.wss?uid=swg21648528>
- Cannot read data file{0} error with IBM Datacap Taskmaster Capture  
<http://www-01.ibm.com/support/docview.wss?uid=swg21660876>
- Custom Taskmaster .NET action reports couldn't load needed object error in IBM Datacap Taskmaster Capture  
<http://www-01.ibm.com/support/docview.wss?uid=swg21570537>
- Thumbnail scale setting is not saving with IBM Datacap Taskmaster Capture  
<http://www-01.ibm.com/support/docview.wss?uid=swg21640649>
- IBMCM actions abort after applying Fix Pack 2 in IBM Datacap Taskmaster Capture  
<http://www-01.ibm.com/support/docview.wss?uid=swg21663064>
- VScan no longer functions in IBM Datacap Taskmaster Rulerunner  
<http://www-01.ibm.com/support/docview.wss?uid=swg21660978>
- Unable to add new jobs and/or tasks in IBM Datacap Taskmaster Capture  
<http://www-01.ibm.com/support/docview.wss?uid=swg21651849>
- IBM Datacap Taskmaster Capture creating too many new fingerprints  
<http://www-01.ibm.com/support/docview.wss?uid=swg21578463>
- Image view position moves between images with IBM Datacap Taskmaster Capture  
<http://www-01.ibm.com/support/docview.wss?uid=swg21639843>
- Couldn't locate RRX code error with IBM Datacap Taskmaster Capture  
<http://www-01.ibm.com/support/docview.wss?uid=swg21643766>
- Fingerprint zones do not save correctly with IBM Datacap Taskmaster Capture  
<http://www-01.ibm.com/support/docview.wss?uid=swg21644772>
- Batch aborts when using Upload client service with IBM Datacap Taskmaster Capture  
<http://www-01.ibm.com/support/docview.wss?uid=swg21626721>
- Unable to reset zone error using click-and-key with IBM Datacap Taskmaster Capture  
<http://www-01.ibm.com/support/docview.wss?uid=swg21652511>
- Settings.ini required error opening Fingerprint Maintenance Tool with IBM Datacap Taskmaster Capture  
<http://www-01.ibm.com/support/docview.wss?uid=swg21632818>
- Unable to login to two applications simultaneously in IBM Datacap Taskmaster Capture  
<http://www-01.ibm.com/support/docview.wss?uid=swg21599801>
- Application Wizard buttons not visible in IBM Datacap Taskmaster Capture  
<http://www-01.ibm.com/support/docview.wss?uid=swg21634253>
- Quattro service crashes periodically in IBM Datacap Taskmaster Capture  
<http://www-01.ibm.com/support/docview.wss?uid=swg21515425>
- Error 4514 file not found error with IBM Datacap Taskmaster Capture scan station  
<http://www-01.ibm.com/support/docview.wss?uid=swg21655100>
- IBM Datacap Taskmaster Capture ICR error code 12  
<http://www-01.ibm.com/support/docview.wss?uid=swg21654520>
- DotEdit(TF) shows rendering problem with multiple DCimage controls in IBM Datacap Taskmaster Capture  
<http://www-01.ibm.com/support/docview.wss?uid=swg21639519>

Each phase produces work products from a number of domains

