



OMNIXT  
Software Analysis as Service



Software Analysis as Service

# Agenda



- 
- **Introduction**
  - **Today's Business IT-issues**
  - **Omnext SaaS**
  - **Demo**
-

# Omnnext



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# Software Analysis: WHY



- **CONSOLIDATION**

Investment decisions to be made on application decommissioning as part of any merger application legacy or company reorganisation.

- **MODERNIZATION**

Investment decisions on application modernization strategies like re-platforming, mash-up, make or buy must be made as part of the application legacy that has arisen in the last decennia.

- **COMPLIANCE**

Meeting corporate and industry standards as part of the need to manage security risk and the risk to business continuity

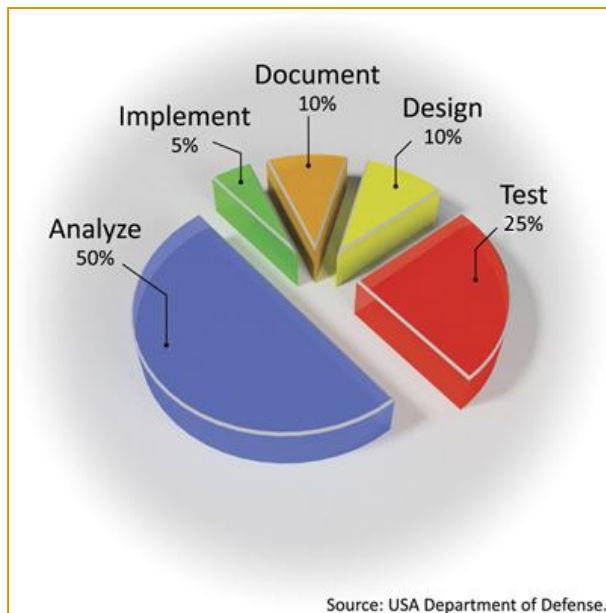
- **MAINTENANCE BUDGET**

Vast majority of IT's software budget is allocated to maintenance. This has become manifest with the experience gained with "cost of change" in outsourcing contracts. This is no longer just an IT budget problem but a business issue.

- **RAPID DEVELOPMENT and DEPLOYMENT**

Growing Agile business demands produces Multisourced development environments and often leads to a technical debt. Both ARE ingredients for reputation risk, which is number 1 "DON'T". Business has to manage this!

# Software life cycle costs



- Software maintenance accounts for more than 70% of worldwide IT software budgets.
- Industry spends 50% of maintenance budget on analyzing existing software.
- Reducing cost of analysis by 30% saves up to 15% of maintenance budget.
- Up to 30% of maintained software is redundant or no longer used.
- Removing redundant or duplicated code saves up to 15% of IT budget.
- Risk reduction in software development by delivering software code in compliance with standards and best practices.
- Every code related software failure that is prevented saves an additional \$1,000.

**AND** today's development is tomorrows maintenance!

# Outsourcing Collaboration Chain



## End-user / Customer



- Business Unit A
- Application 1
  - Application 2
- Business Unit B
- Application 3
- Business Unit C
- Application 4
  - Application 5
  - Application 6

## Outsourcing Service Provider



- Service Provider A
- Application 1
  - Application 2
  - Application 3
- Service Provider B
- Application 4
  - Application 5
  - Application 6

## Global Delivery Centers

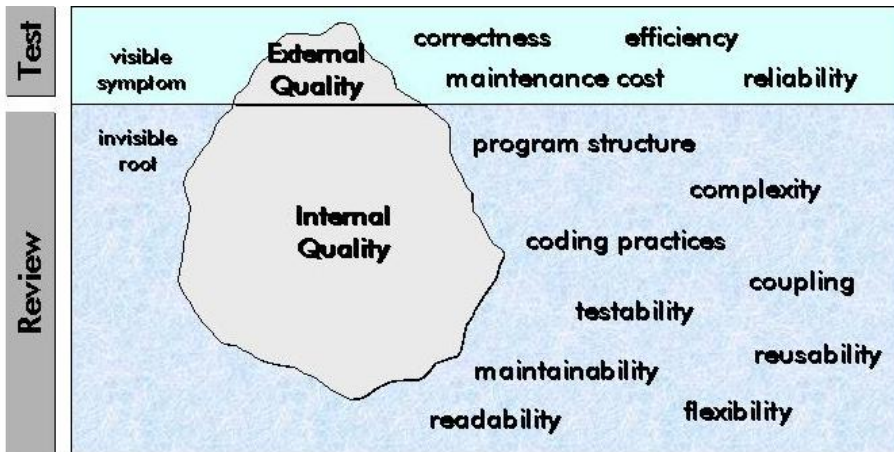


- On premises
- Off-shore:
- Country 1
  - Country 2
  - Subcontractor1
  - Subcontractor 2
- Near-Shore:
- Country 1
  - Country 2
  - Subcontractor1
  - Subcontractor 2





# Software Quality Iceberg



Software Quality Iceberg

Today's Development  
 =  
 Tomorrow's Maintenance



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# Functionality



## Quality

- Comprehensive metrics
- Compare versions Health check
- Code clone detection
- Unused code detection
- Potential security issues

## Size

- Size metrics LoC and FP
- Compare versions

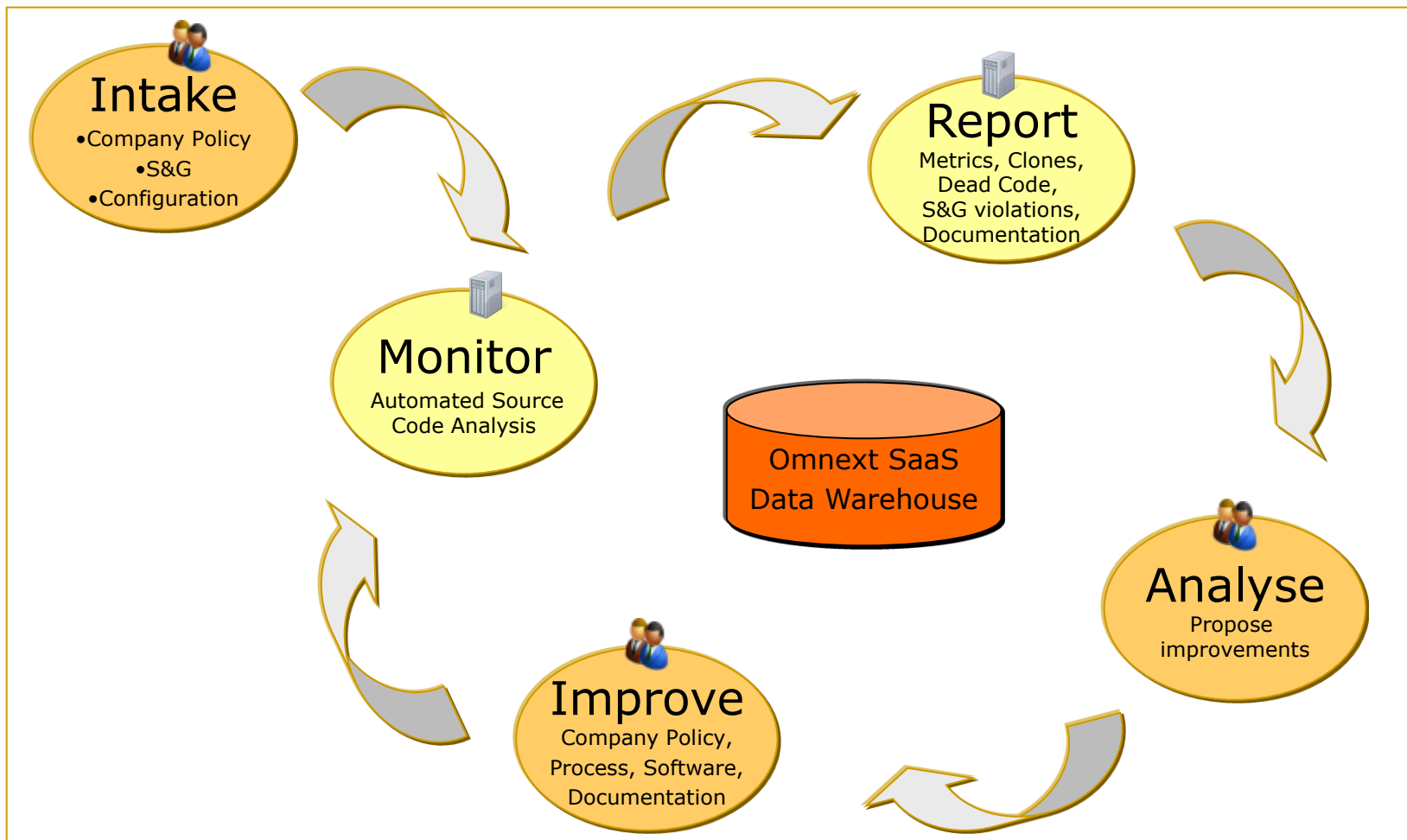
## Functionality / structure

- Cross References (Internal and External)
- Design reproduction (UML)
- Source formatting

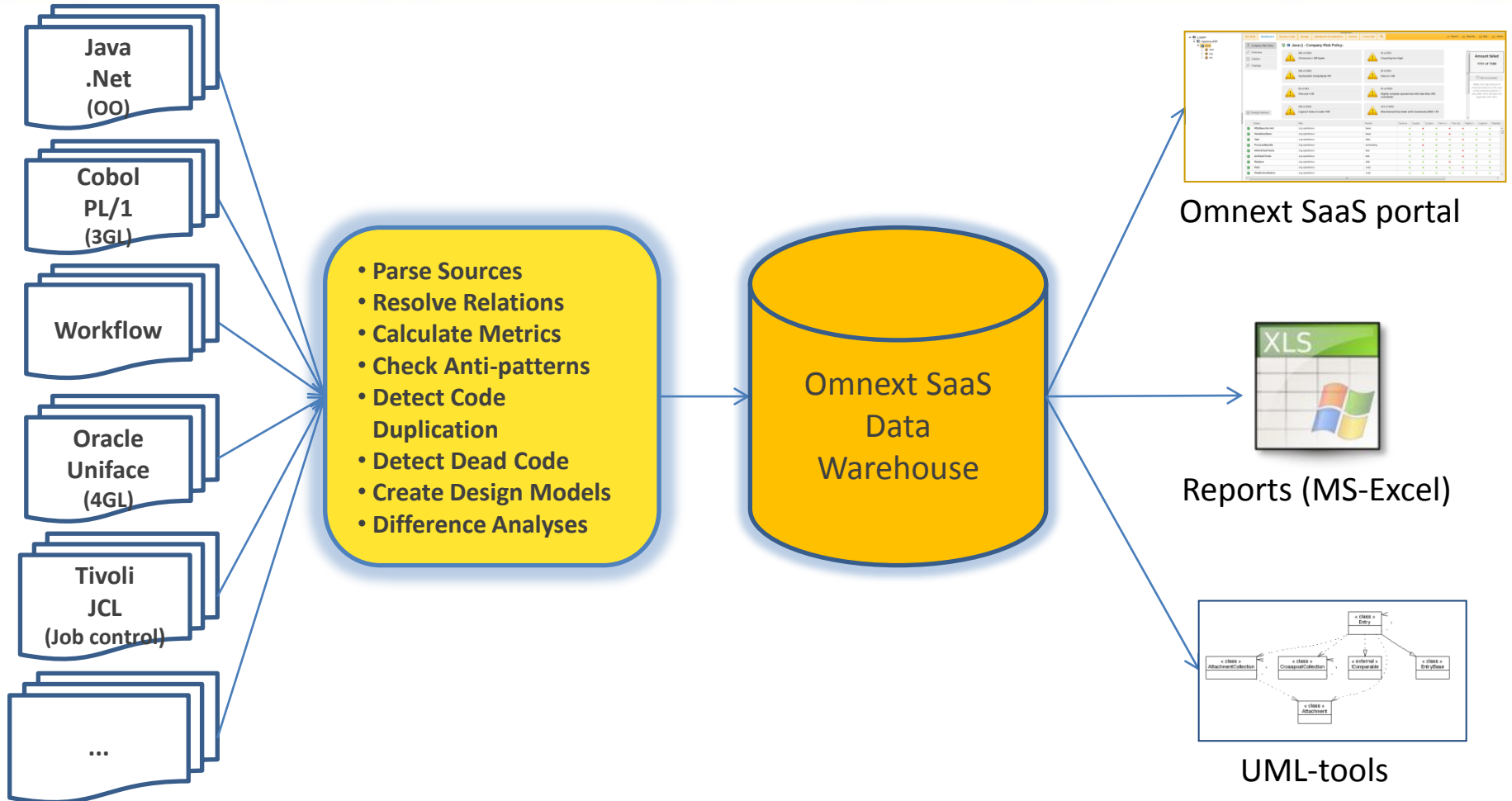


MRI-scan

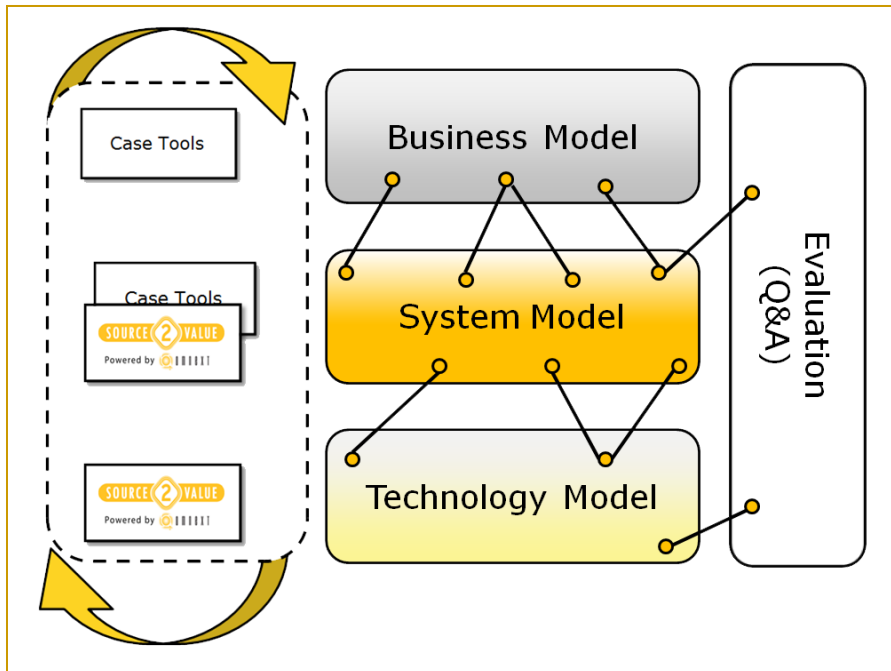
# Approach



# Behind the scenes



# Documentation model



## Characteristics:

- Top Down (BPM)
- Bottom Up (Source code analyse)
- Fits in Enterprise Architecture frameworks (Zachman, ..)
- Industry standards (BPMN, UML)
- Fits Architecture-Driven Modernization (OMG - ADM)

Omnext SaaS, software maintenance documentation and evaluation roundtrips!

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# Demo

