



Xpert.ivy 4 Factsheet

MODELING

- Graphical user interface for modeling and implementation of workflow/ web applications based on the Eclipse platform
- 3 main perspectives: process editor, visual editor, simulation engine
- Library concept for reuse across projects
- Implemented version control system supports multi-developer environments
- Swim lanes
- Standard process elements in BPMN notation
- Subprocesses/ components for hierarchical structuring
- Start request/ end page/ end task
- Start event (external events)
- Intermediate element (external event)
- RIA dialog element
- HTML dialog page
- Database dialog/ database step
- Task switch
- PI (program interface)
- Process call
- Web Service element

- E-mail element
- Action steps
- Alternatives (XOR gateway)
- Split/ join (gateway)
- Comments

DOCUMENTATION

- Element captions/ descriptions/ means/ documents/ references
- Connection captions/ descriptions
- PDF, RTF (Word) and HTML report (printable)
- HTML online report with tree navigation
- JPEG picture export of process model

SIMULATION / PROTOTYPING

- Process model simulation
- Local prototyping of complete application
- Powerful model checker
- Powerful search engine
- Simulation with breakpoints

IMPLEMENTATION AND EXECUTION

- Implementation of process applications without coding (generation from models)
- Integrated content management system
- Multilingual support
- Reusability of content
- Changeable layout (templates/ CSS)
- Page navigation
- Time-dependent publishing
- Conditional content
- Smart tables
- Smart charts

SYSTEM INTEGRATION

- Java API to extend and integrate the workflow engine
- Web service processes

CALLABLE PROCESSES

- Call element to call (or include) such processes
- Special start/ end elements to define such processes (particularly for reusable processes)

WEB SERVICES

- Call element to call web services within a workflow
- Wizard for simple configuration
- Web service start/ end elements to setup own web services
- Easy coupling of web service and workflow
- Every process may be invoked as web service

JAVA PROGRAM INTERFACE

- Java interface to external programs

LDAP INTERFACE

- LDAP integration (synchronization of roles and users with Active Directory server and others)



SYSTEM REQUIREMENTS

XPERT.IVY DESIGNER

Windows XP, Windows 2000, Windows Vista,
Windows NT 4.0

Recommended: 2.0 GHz dual-core processor,
2 GB RAM, 1 GB HDD

XPERT.IVY SERVER

Windows Server 2000 / 2003 / 2008,
Linux (SUSE 9.2 or above)

all in 32 and 64 bit versions

Recommended: 2.5 GHz dual-core or quad-core
processor, 2 GB RAM, 10 GB HDD

DB: MySQL from 5.1, MS SQL Server from 2000,
Oracle from 10g

CLIENT

- For RIA: JRE 1.5 or 1.6
- Without RIA – any current web browser

EDITIONS

- Standard edition
- Enterprise edition (cluster version)

USER INTEGRATION

- Assignment of tasks to roles and users
- Task list for every user
- Definition of task priority
- Expiry time for tasks with escalation to exception role, e-mail or escalation process
- Park task for later resumption; overview of all tasks of a case, display of task's process data...
- Blocking period; the task can be blocked for a defined period
- Online workflow admin tool, e.g. to define workflow users with respective roles
- Workflow user authentication and authorization via NDS (Novell Directory Service) or ADS (Microsoft Active Directory Service)
- Support of multiple process versions
- Integrated calendar for holidays
- E-mail notification for new tasks
- Substitution function

MONITORING

- Graphical real-time Business Activity Monitoring (BAM)
- Graphical Business Analysis Report (BAR)

MODEL IMPORT

- XPDL
- Aeneis
- Visio XML
- Adonis
- Viflow
- Income
- Others in preparation

LANGUAGES

- Process applications: no limit
- Design environment: English / German / French

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