Designer for Novell Identity Manager

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Content

- Complexity of Identity Management
- Evolution of Policy Management
- Comparison iManager vs. Designer
- Designer Overview
- Future of Designer
- Demo ?

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Complexity of Identity Management

Complexity of Identity Management

Education

- Complexities of connected systems
- Limited number of trained consultants

Business Policies and Transformations

- Defined using Rules and XSLT Stylesheets
- XSLT not widely understood

Deployments

- Risks of provisioning corporate data
- Lengthy deployments
- Troubleshooting

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Complexity of Identity Management

Deployments - cont.

- Debugging
- Staging
- Source management
- Documentation

Not unique to Novell

These issues cannot all be addressed by a single tool

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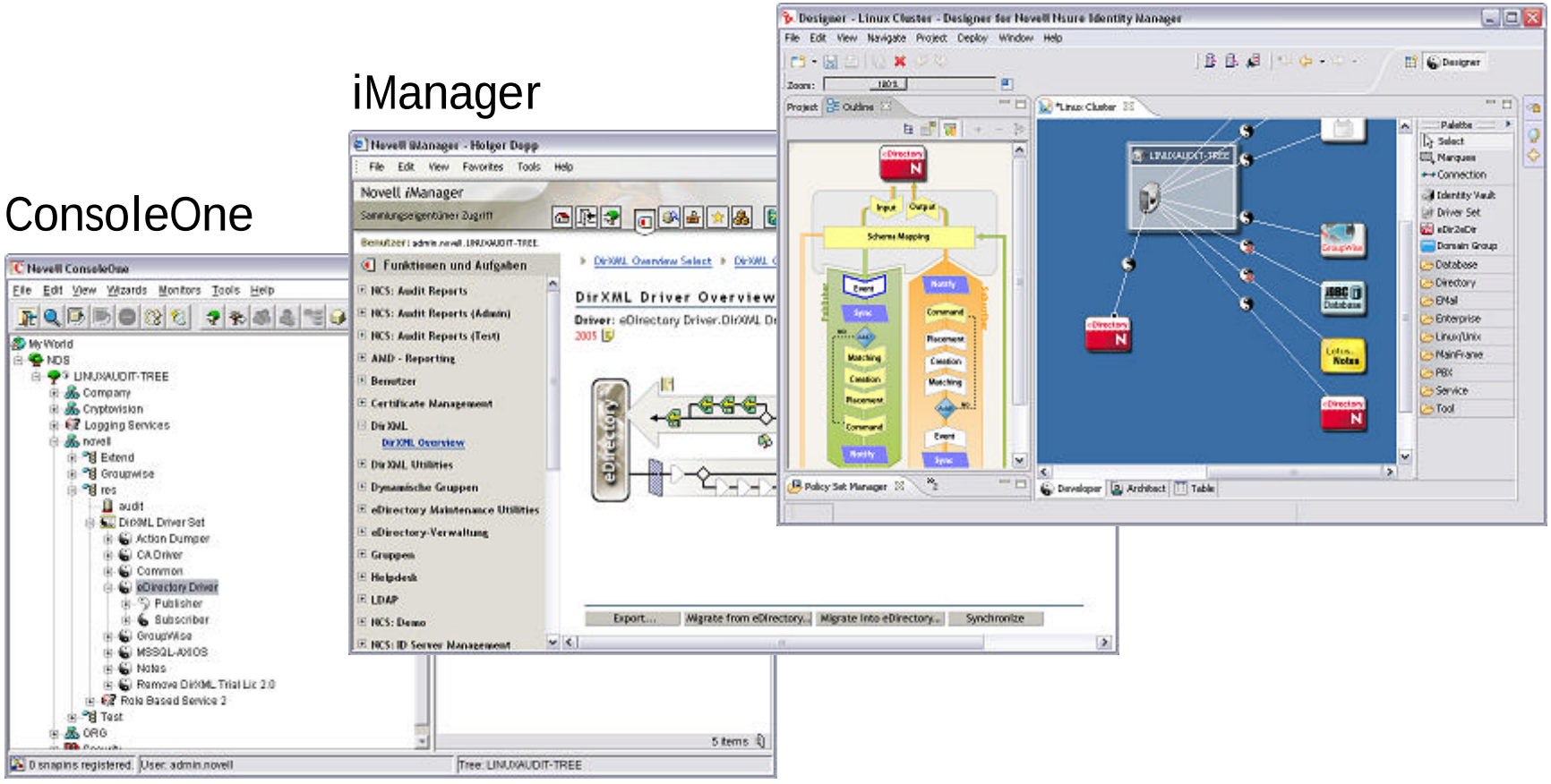
The Evolution of Policy Management

Evolution of Policy Management

Designer

iManager

ConsoleOne



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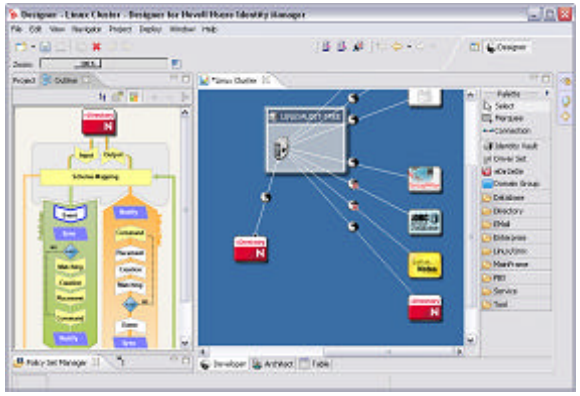
Designer based Policy Builder

- Eclipse-based
- Online and Offline access
- Individual installation necessary
- Platform independent
- Environment configuration based on local installation



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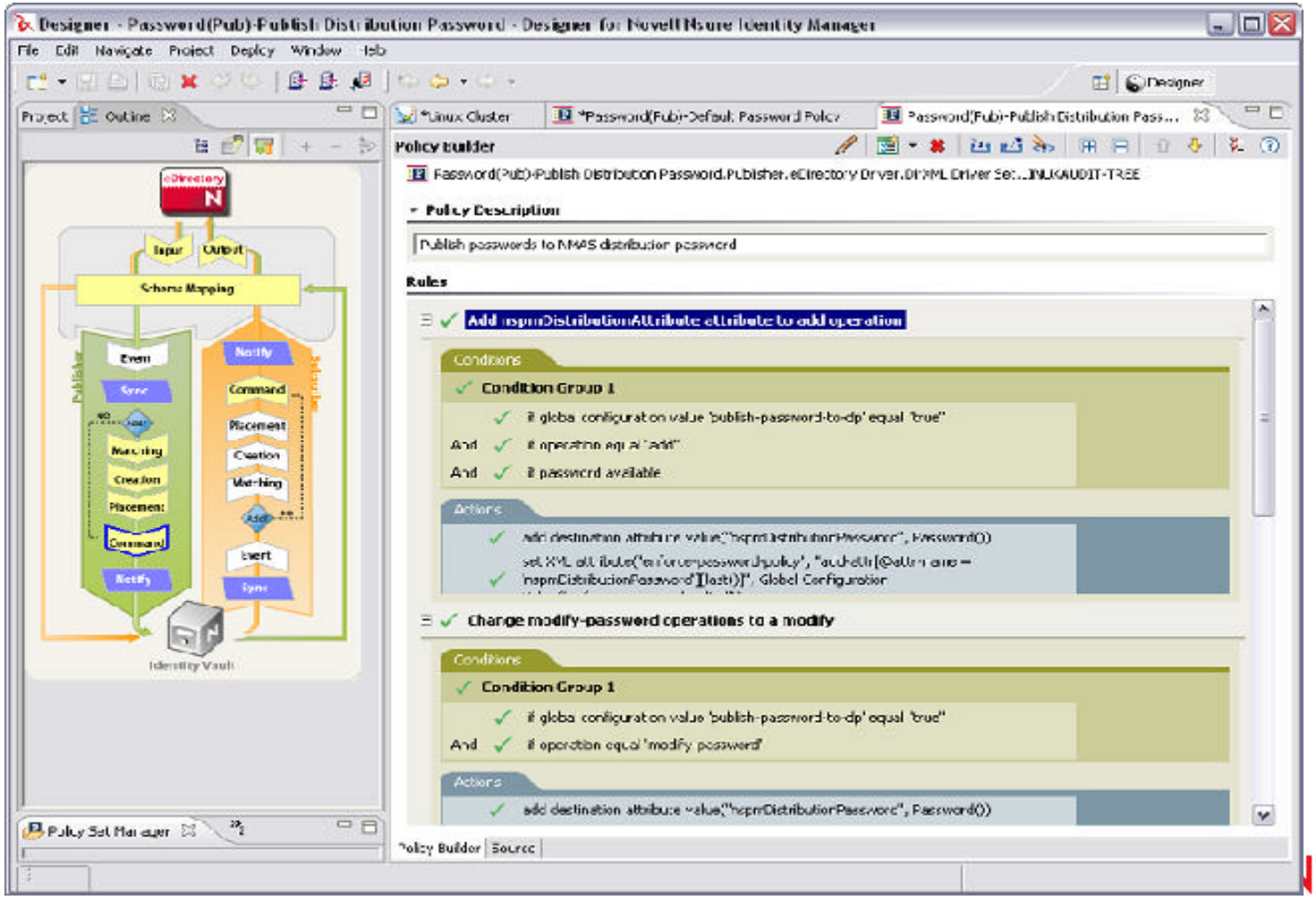
Designer based Policy Builder



iManager vs. Designer

iManager

- Web-based central application
- based on Web application server
- only usable in online mode
- single tree focused
- allows only online deployment

- object oriented view only
- target audience:
  - Administrators
  - Developers

Designer

- local Eclipse based application
- no further software needed
- online and offline mode possible
- multi tree, multi project focused
- supports full project life cycle
  Design, Deploy, Document
- object and application views
- target audience:
  - Architects
  - Consultants
  - Developers

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Architecture Framework

Eclipse Workbench

What is Eclipse Workbench?

- An open source tool integration platform
  - Plug-In environment
- Open source product
  - Tools of all types can be developed
  - Identity management plug-ins are developed
- Java development environment
  - Integrated Development Environment
  - Eclipse was developed using Eclipse
- The Framework for Designer for Identity Manager

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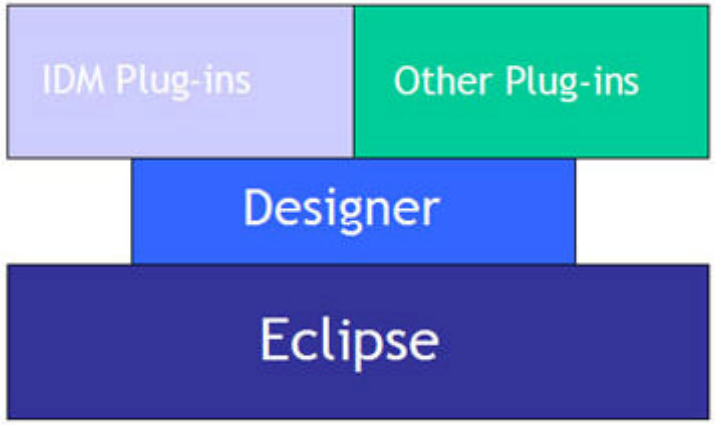
Designer Architecture

High Level Architecture

- Designer is a higher-level framework built on top of Eclipse.
- Plug-ins can communicate directly to Eclipse API and/or the higher level Designer APIs.



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Functions

Functions

- Project Management
- Enterprise Modeler
- Configuration Management
- Dataflow Modeler
- Policy Management
- Policy Debugging
- Directory Tools
- Documentation

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Functions – Project Management

- Create new projects from
  - scratch

  - Identity Vault
  - saved projects

- Copy existing projects

- Delete projects

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Functions – Enterprise Modeler

- shows the big picture of the project
  - architectural view
    - high-level design of project components
  - development view
    - DirXML specific operations
- supports various types of operations
  - change icons
  - group objects
  - change view order
  - will be enhanced in future versions

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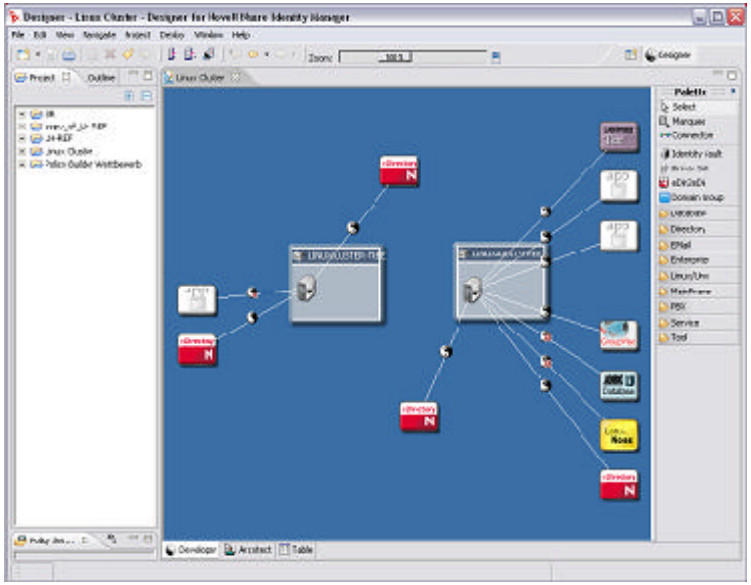
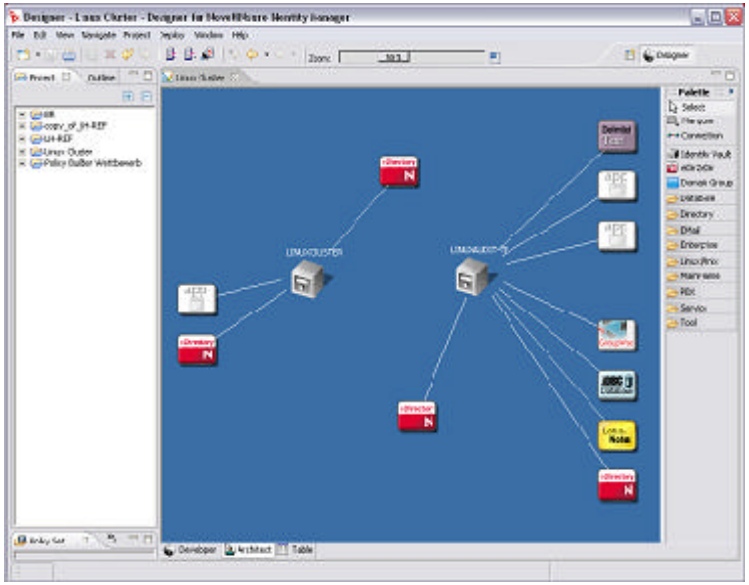
Functions – Enterprise Modeler

- Development view
  - object oriented view
  - object oriented operations
- Architectural view
  - high-level design of project components
  - application oriented view





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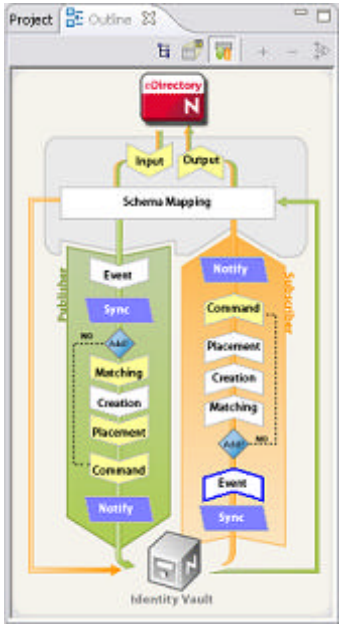
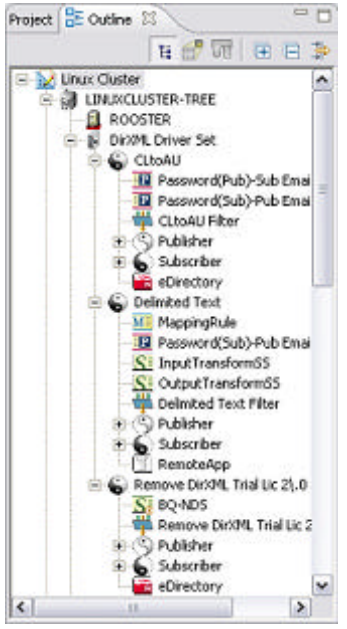
Functions – Enterprise Modeler

- multiple views to the project content
  - modeler – project overview
  - data flow – data (object, attribute) oriented view
  - policy flow – policy fish bone view
  - outline – directory object related view





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Functions – Enterprise Modeler

- various types of modeling operations
  - drag and drop objects
  - connect, re-order objects
  - build groups of applications
  - provides access to all Designer functions
    - context specific
    - menu controlled
    - wizard controlled

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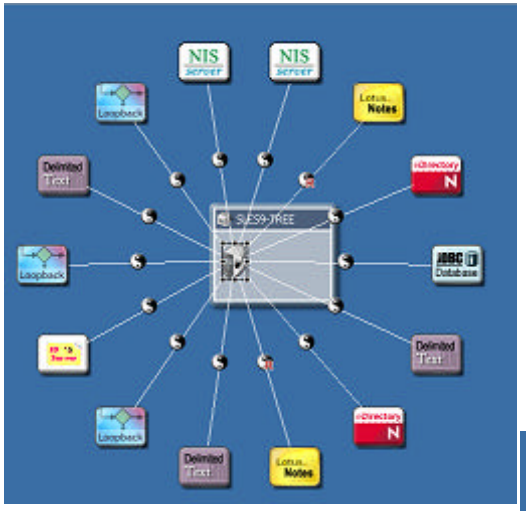
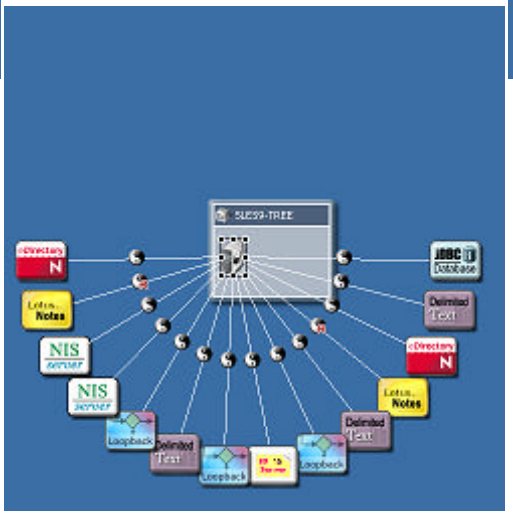
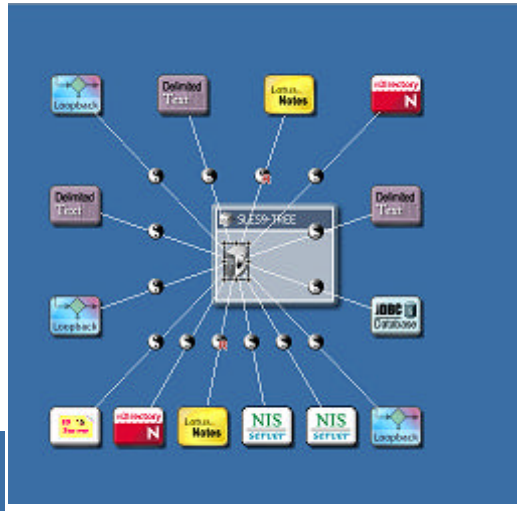
Functions – Enterprise Modeler







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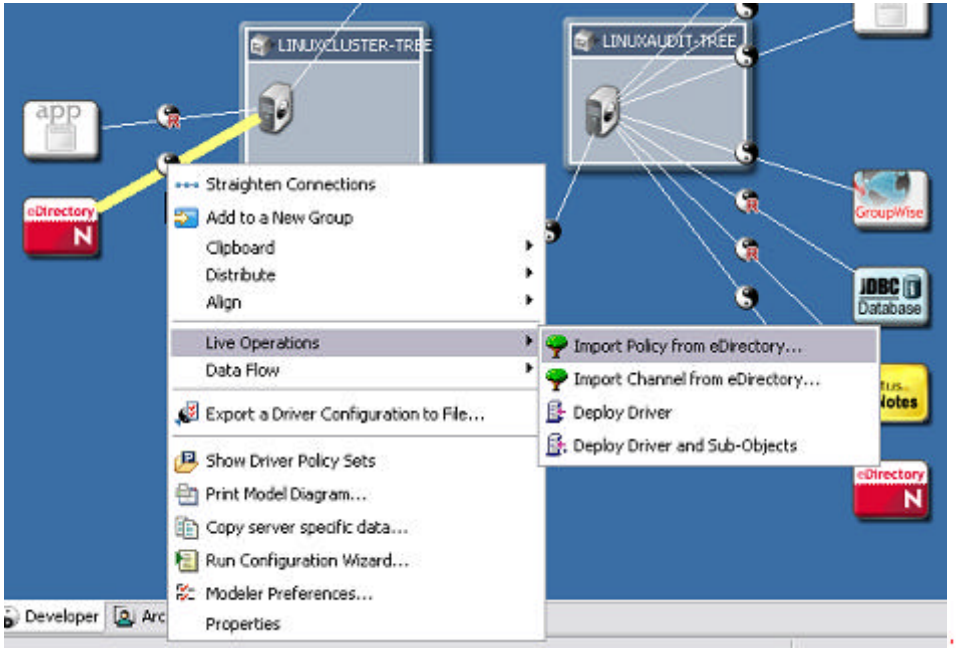
Functions – Configuration Management

- import/deploy/export of objects and structures
  - Live System
  - Driver Configuration File



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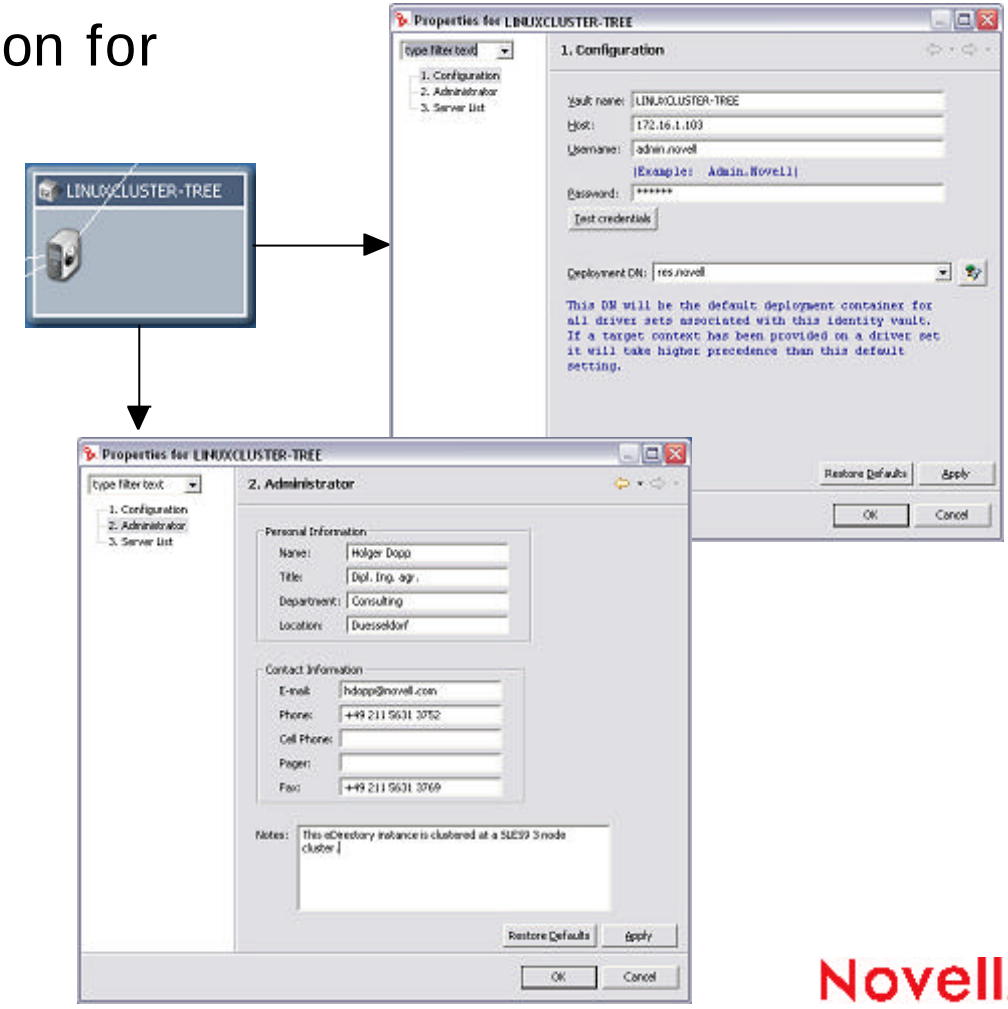
Functions – Configuration Management

- detailed information for
  - Applications
  - Identity Vaults
  - Servers
  - Driver Sets
  - Drivers



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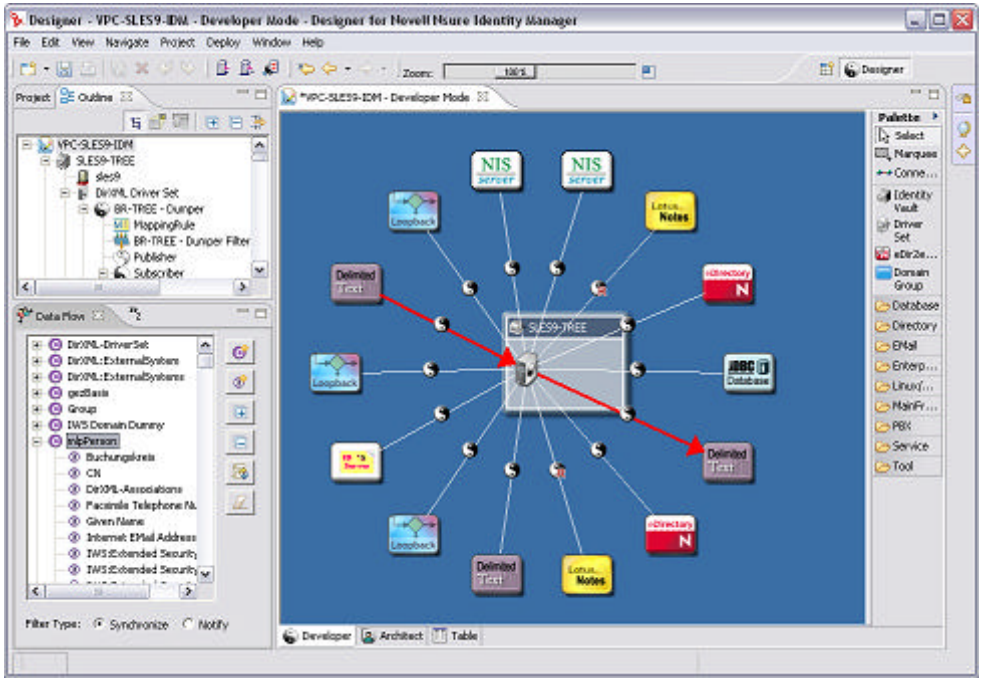
Functions – Dataflow Modeler

- shows global dataflow of objects and attributes



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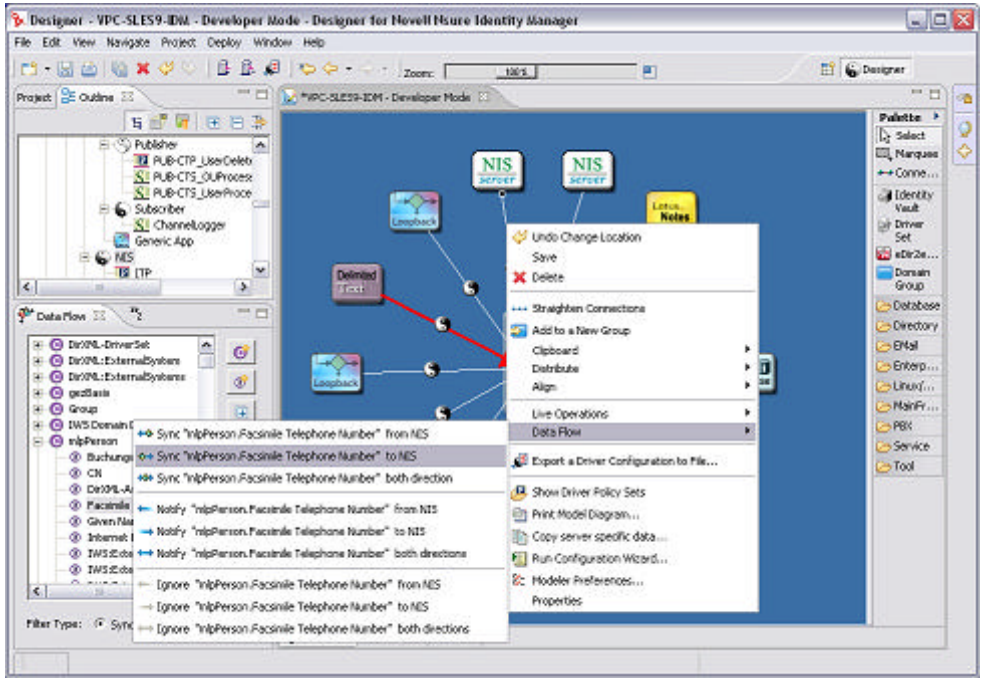
Functions – Dataflow Modeler

- allows management of dataflow for classes and attributes



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Functions – Policy Management

- allows management of
  - Global Configuration Values
  - Filter Policy
  - Mapping Policy
  - Transformation Policy Sets
    - Input, Output Transformation
    - Event, Command Transformation
    - Match, Create, Placement Rules

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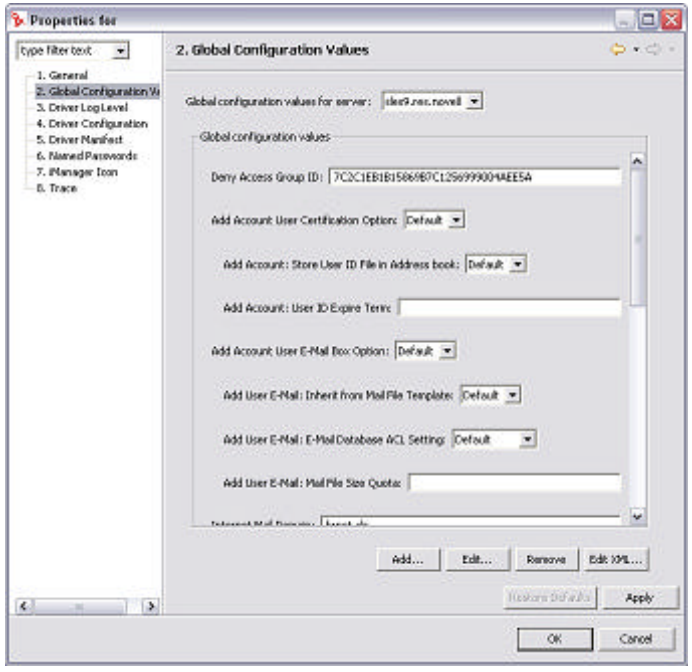
Functions – Policy Management

- Global Configuration Values
  - global and Driver specific GCVs
  - import/export of GCVs



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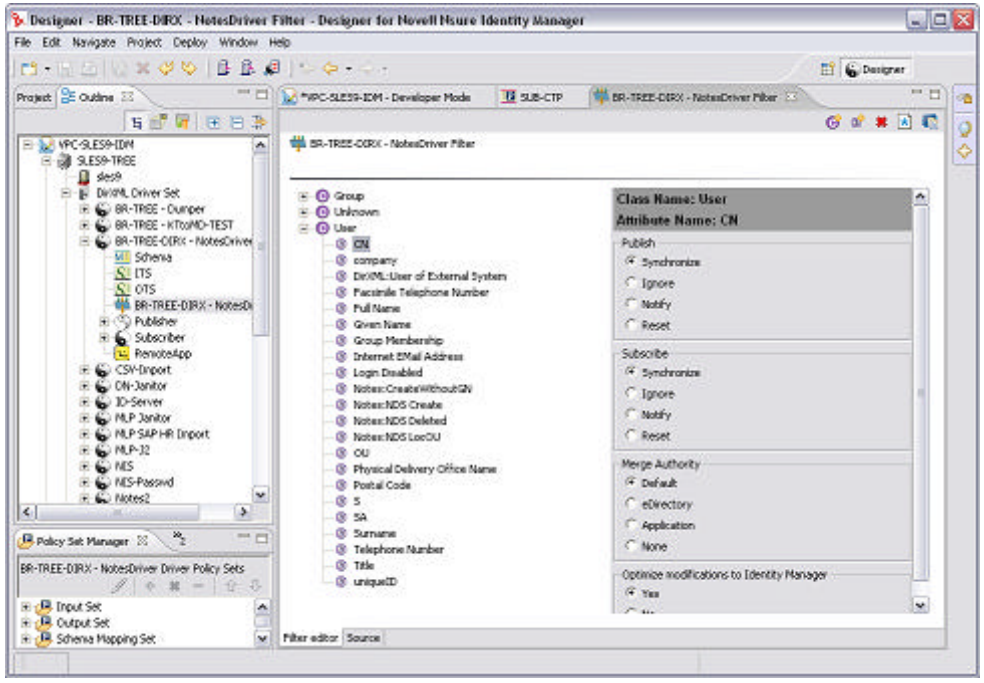
Functions – Policy Management

- Filter Policy
  - add, modify, change filter settings for classes and attributes



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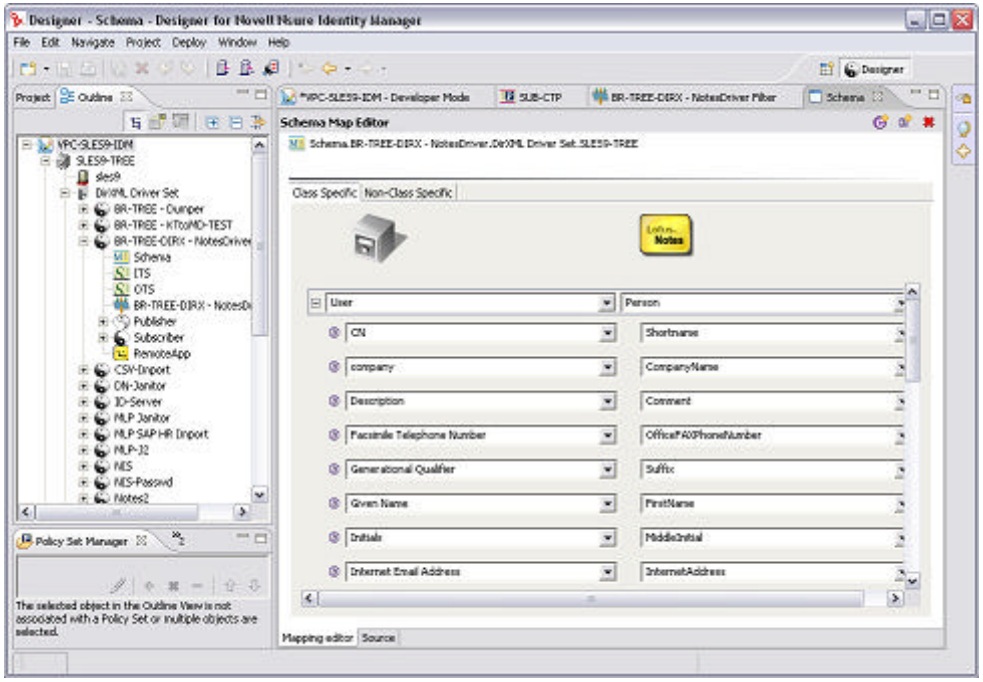
Functions – Policy Management

- Mapping Policy
  - add, modify, delete object and attribute mappings



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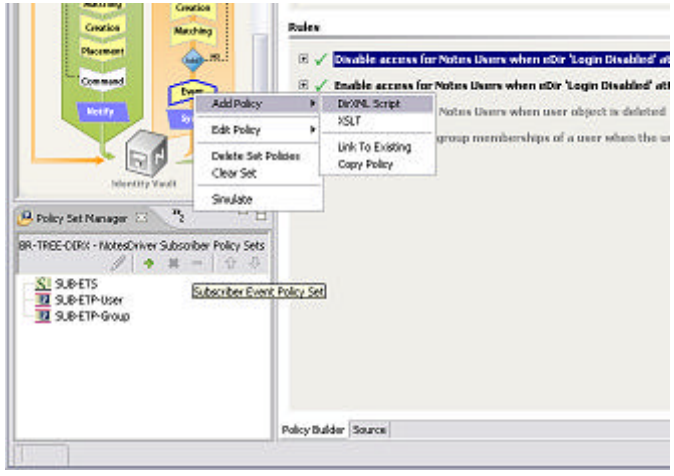
Functions – Policy Management

- Transformation Policy Sets
  - add, modify, delete Policies
  - supports XSLT and DirXML Script
  - allows access to Policy Simulator
  - change policy order



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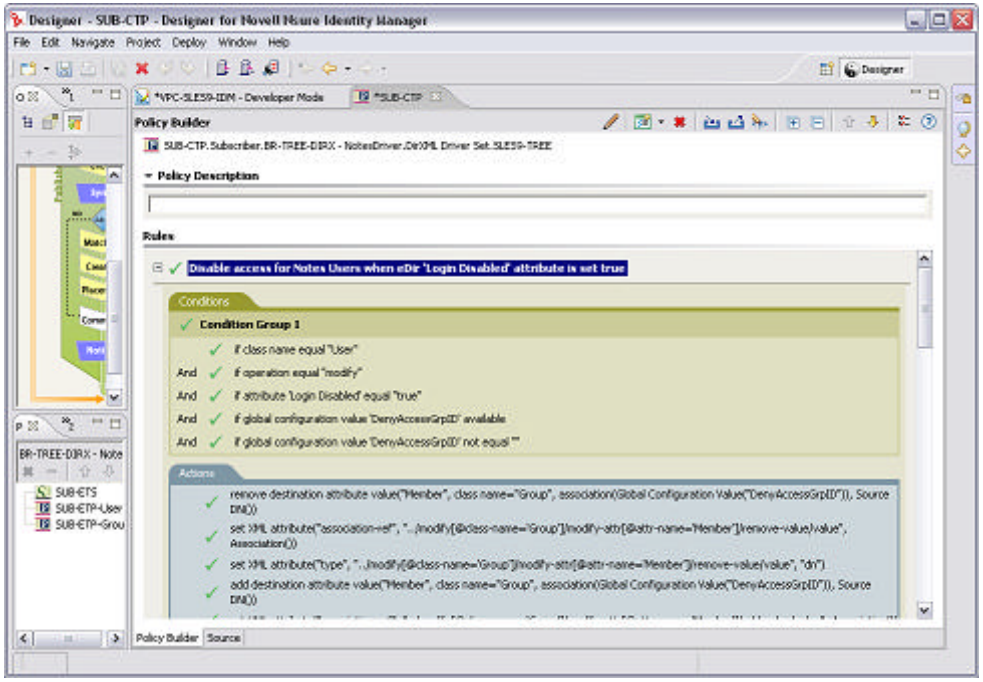
Functions – Policy Management

- Transformation Policy Sets
  - add, modify, delete Rules using Policy Builder



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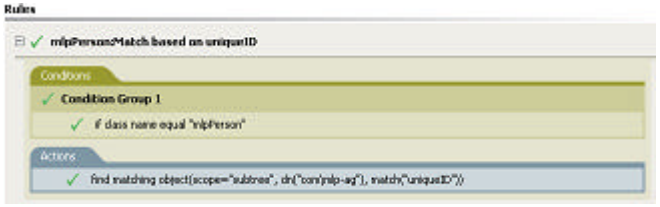
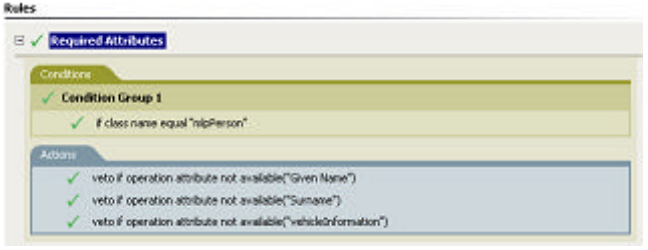
Functions – Policy Management

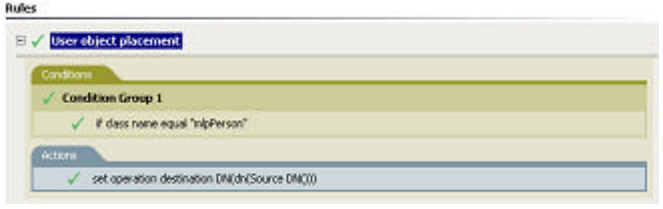
- Transformation Policy Sets
  - predefined operations for
    - Match,



    - Create and



    - Placement Policies



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Functions – Policy Debugging

- simulates the DirXML engine
- uses customizable input XML data
- allows query simulation
- shows output and trace log
- allows the usage of IDM delivered java classes
- simulation per Policy Set

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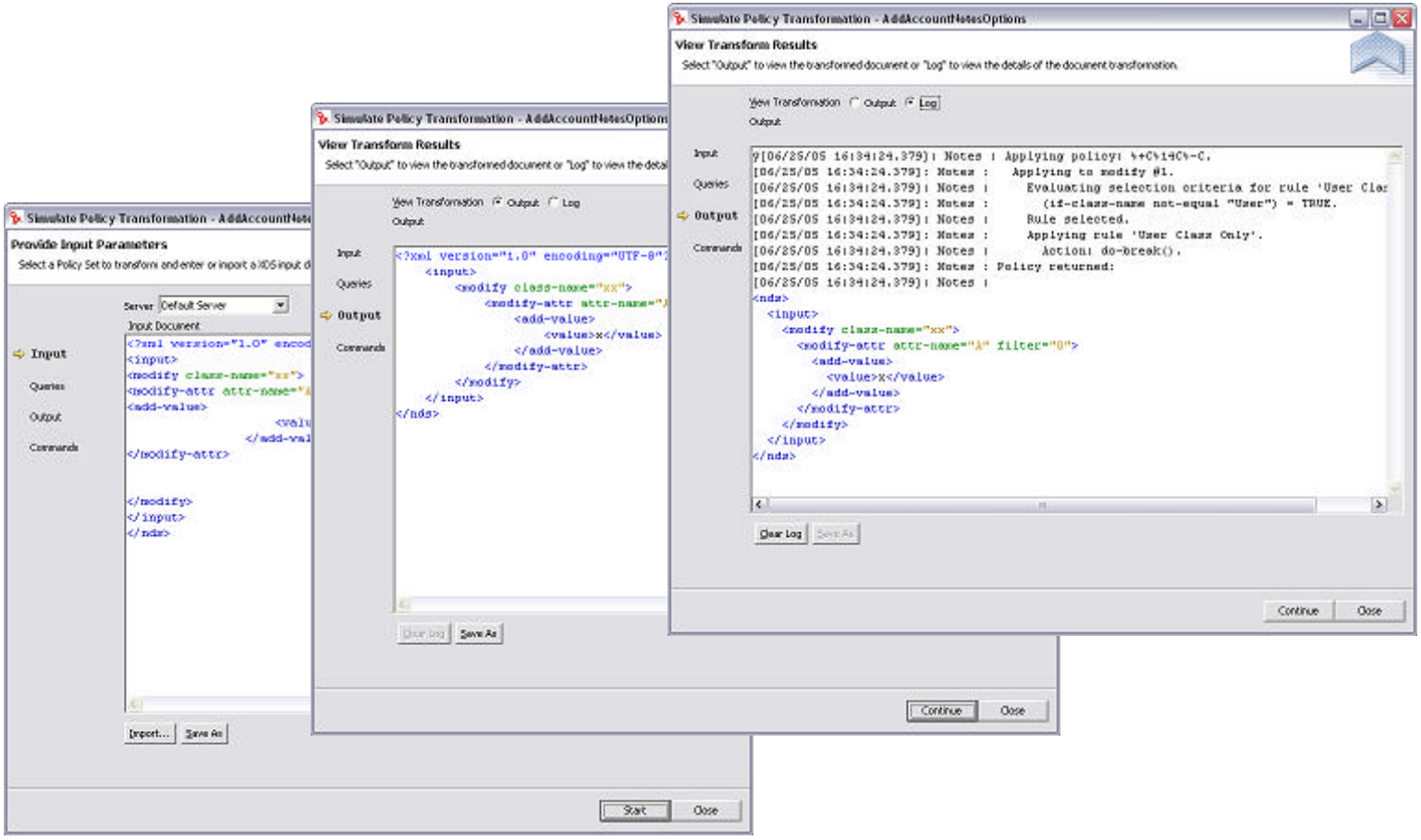
Functions – Policy Debugging



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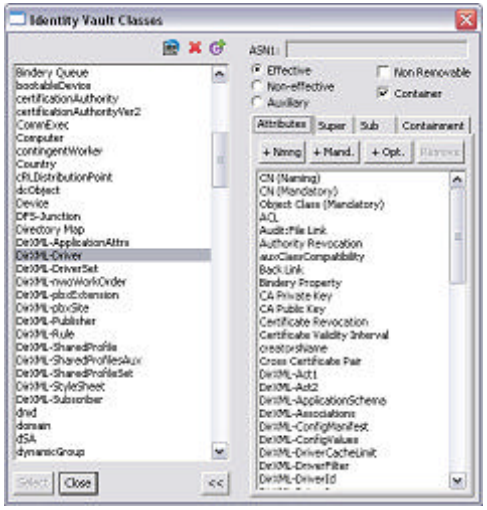
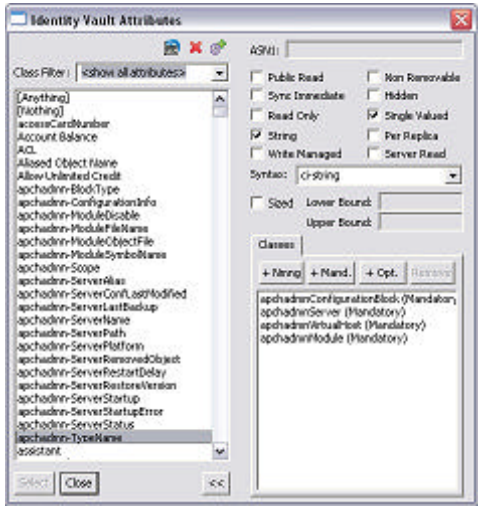
Functions – Directory Tools

- Schema Management Tools
  - Import Schema from eDirectory
  - Manage Schema Classes and Attributes





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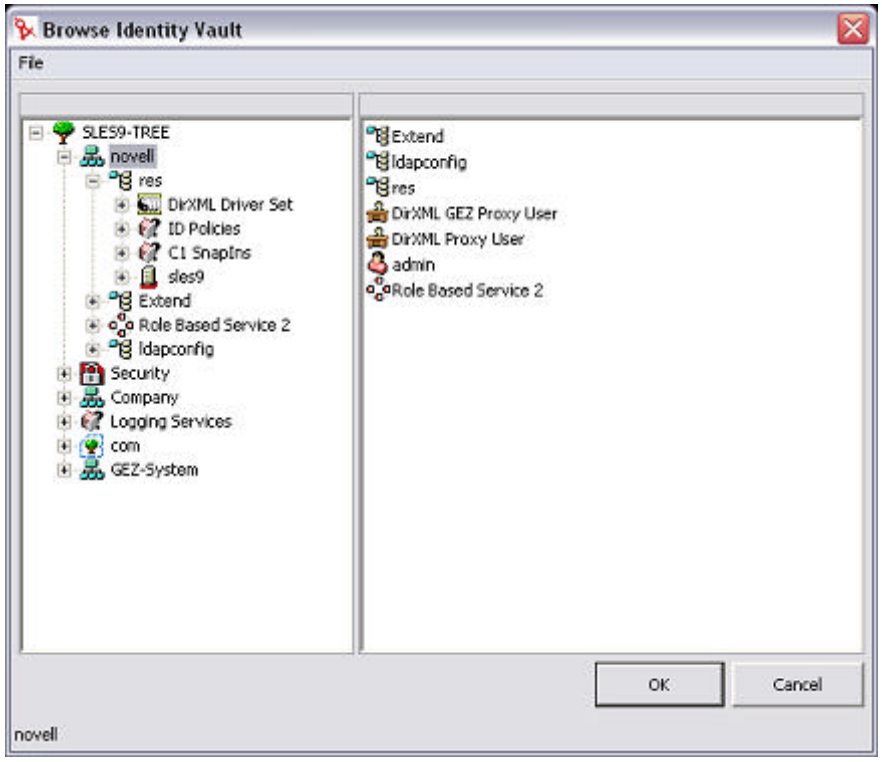
Functions – Directory Tools

- Browse Identity Vault



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Functions – Documentation

- Create technical documentation of the project
- Output format PDF
- Output content can be customized and controlled using Designer document generation wizard
- low level customization using XSL:FO (formatting objects)

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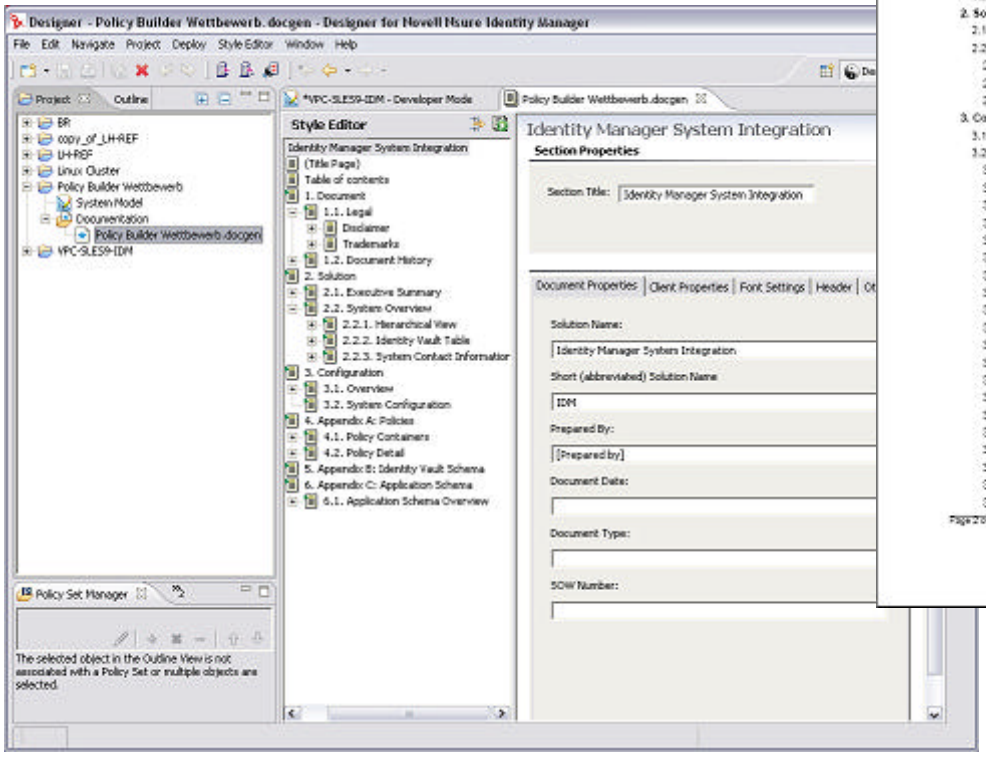
Functions – Documentation



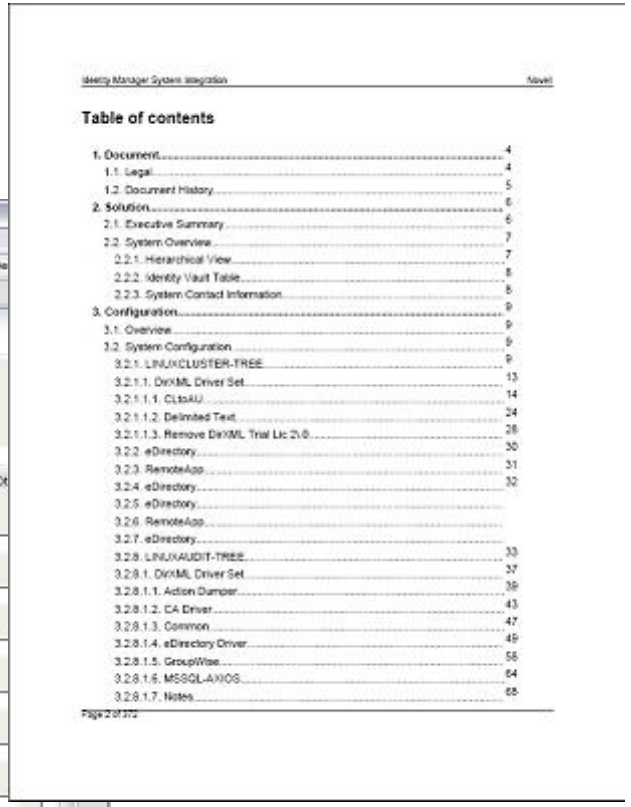


Table of contents

1. Document 4
1.1. Legal 4
1.2. Document History 5
2. Solution 6
2.1. Executive Summary 6
2.2. System Overview 7
2.2.1. Hierarchical View 7
2.2.2. Identity Vault Table 8
2.2.3. System Contact Information 8
3. Configuration 9
3.1. Overview 9
3.2. System Configuration 9
3.2.1. LINUXCLUSTER-TREE 9
3.2.1.1. DirXML Driver Set 13
3.2.1.1.1. CLtoAU 14
3.2.1.1.2. Delimited Text 24
3.2.1.1.3. Remove DirXML Trial Lic 2\0 28
3.2.2. eDirectory 30
3.2.3. RemoteApp 31
3.2.4. eDirectory 32
3.2.5. eDirectory
3.2.6. RemoteApp
3.2.7. eDirectory
3.2.8. LINUXAUDIT-TREE 33
3.2.8.1. DirXML Driver Set 37
3.2.8.1.1. Action Dumper 39
3.2.8.1.2. CA Driver 43
3.2.8.1.3. Common 47
3.2.8.1.4. eDirectory Driver 49
3.2.8.1.5. GroupWise 58
3.2.8.1.6. MSSQL-AXIOS 64
3.2.8.1.7. Notes 68

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Future of Designer

Future of Designer

- Release v1.0, Q3/2005
- Designer v1.1 as part of IDM3
  - Provisioning Modeler
  - Entitlement Modeler
- Designer v1.2 as part of IDM3 Provisioning Edition
  - Approval Flow Modeler
  - Extended Provisioning Modeler

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Future of Designer

- Designer v2.0
  - Policy Template Library
  - Data Scrub & Analysis
  - Version Control Integration
  - Live Mode
  - Test Case designer
  - Data Flow auditor
  - and others

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Can't wait to play with

Designer for IDM – Download Page

Current milestone builds are downloadable at http://www.novell.com/coolsolutions/dirxml/designer/ for testing purposes.

Last milestone build M4 from May 31, 2005.

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Demonstration

Demonstration

- Create an offline model in Architecture Mode
  - HR, Directory, Mail
- Assign and change Driver configuration
- Assign real environment properties
- Deploy system
- Generate a documentation

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