

Overview



Build applications that integrate.

- ☐ JRules does not impose on your technical or application infrastructure.
- ☐ JRules has an open architecture that is standards-based.
- ☐ JRules is packaged so that you use only the components required by your application.
- ☐ JRules features an open and flexible API that allows you to easily adapt and extend JRules components.

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Overview

ILOG JRules Business Rule Management Software

Build applications that evolve.

- ☐ JRules enables the development of applications that can be easily changed to meet new business requirements.
- ☐ JRules allows business users and analysts to write and maintain business rules.

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Overview

ILOG JRules Business Rule Management Software

Build applications that perform.

- ☐ JRules performs in demanding real-time transaction oriented applications.
- ☐ JRules is highly scalable.
- □ JRules allows the developer to tune the rule engine based on application specific characteristics.

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Overview

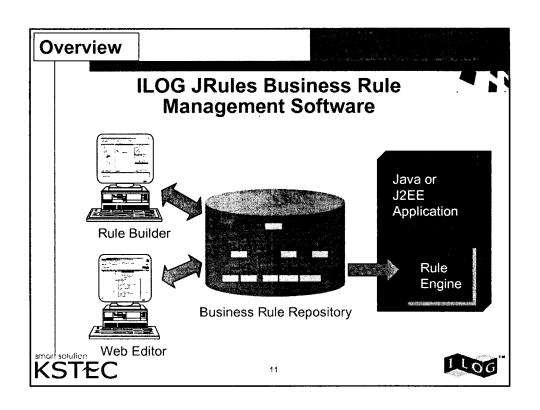
ILOG JRules Business Rule Management Software

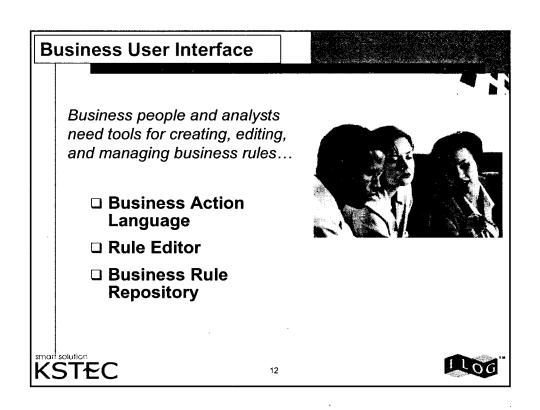
- □ JRules Builder
 - Develop and debug business rule applications using a complete IDE.
 - ☐ Write and maintain business rules.
 - ☐ Manage business rules stored in the Repository.
- □ JRules Web Editor
 - □ Write and manage business rules over the web.
- □ JRules Repository
 - Store business rules and related data in a database or file structure.
- □ JRules Rule Engine
 - Execute business rules in your applications.

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Rule Development

Business Action Language

- □ Write business rules in a structured-English natural syntax
- ☐ Use business terms in business rules
- □ Customize and extend the Business Action Language to meet application-specific requirements

Business Action Language

IF

shopping cart contains between 2 and 4 items and the purchase value is greater than \$100 and the customer's category is Gold THEN apply a 15% discount

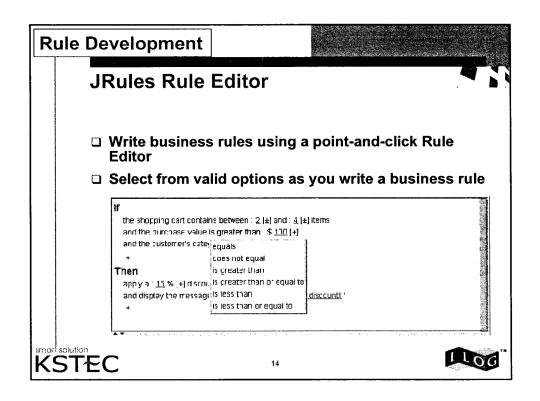
apply a 15% discount and display the message

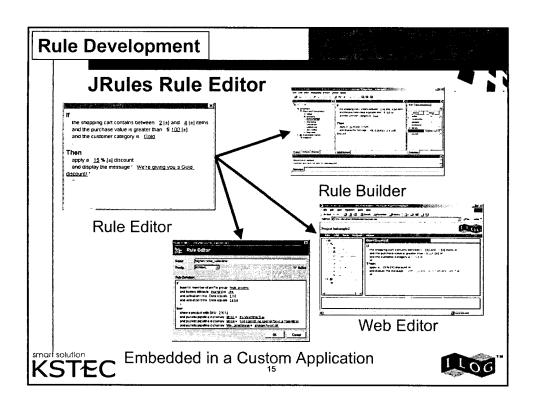
"We're giving you a Gold discount!"

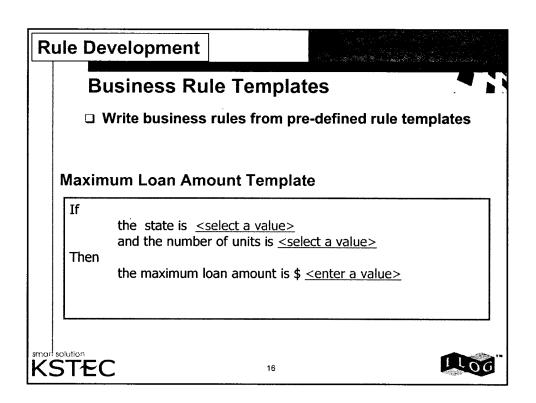
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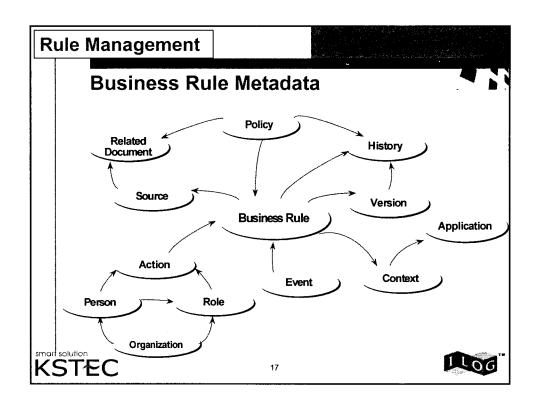


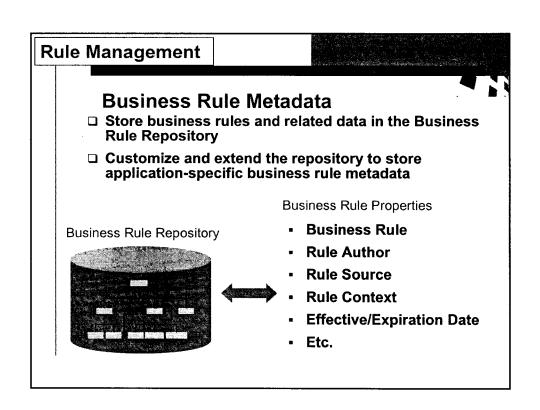
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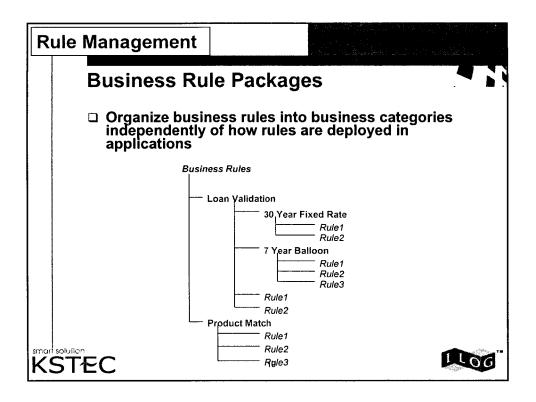


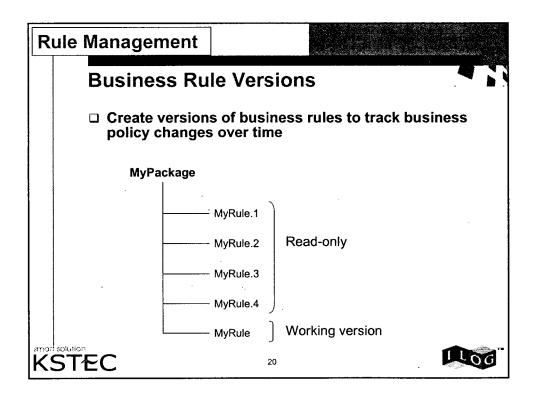


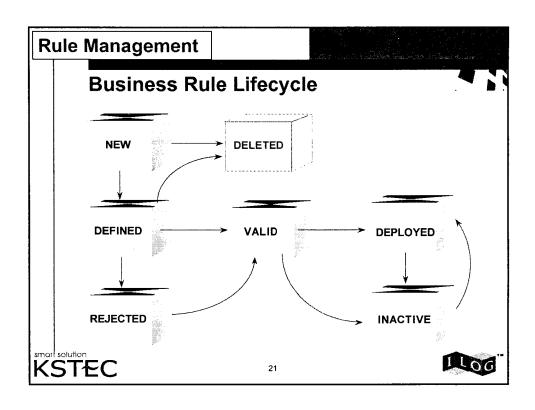


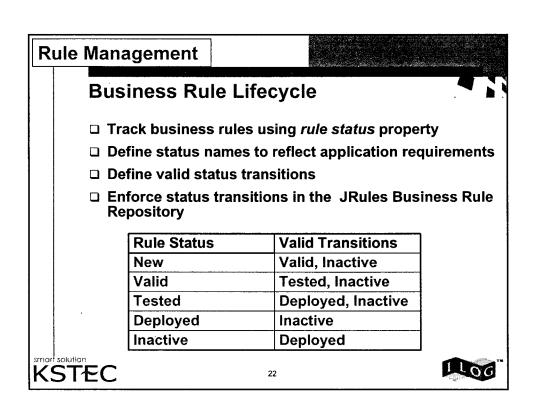












Rule Management

Rule History

- □ Log business rule changes in the Business Rule Repository
 - □ Rule Creation/Deletion
 - □ Rule Property Modification
 - □ Rule Definition Modification
 - □ Rule Version
- ☐ View history of changes associated with a rule in the JRules Builder

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Rule Management

User Permissions

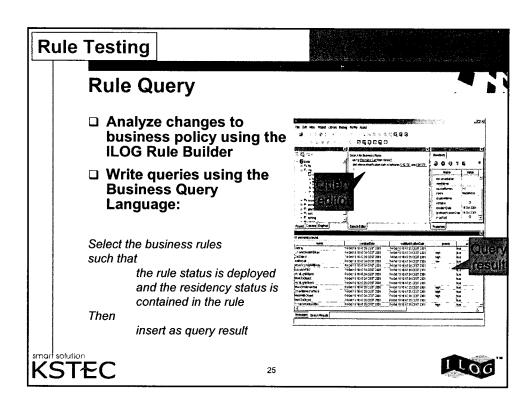
- ☐ Define permissions based on user or user role
- □ Enforce permissions in Business Rule Repository

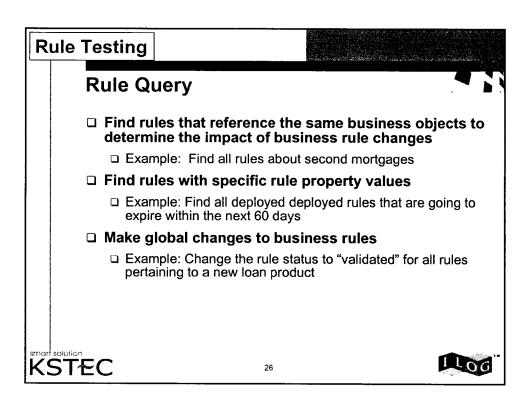


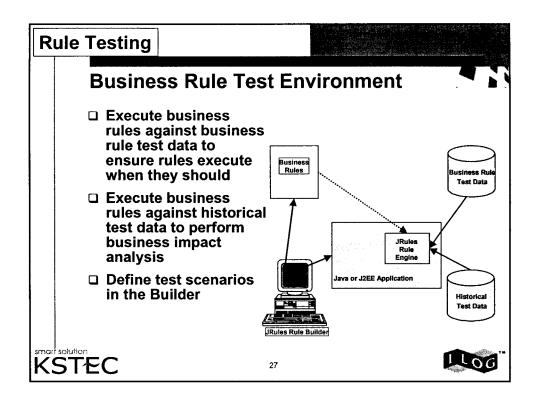
| Developer | Create/ Edit/ Delete Rule Version Rule , Change Rule Status |
|---------------|--|
| Analyst | Create/ Edit Rule Version Rule, Change Rule Status |
| Administrator | Change Rule Status, Deploy Rules |

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Rule Deployment

Deploying Business Rule Applications



- □ Extract a ILOG Rule Language ruleset from the repository
- □ Publish the ruleset to a file,database, or entity bean
- □ Load the ruleset from the data source at execution time

□ Change rules at execution time without stopping the application or the rule engine

- □ Application-Driven deployment extract rules from the repository at runtime
- □ J2EE Rule Engine Server update entity bean ruleset and refresh the Rule Engine Server at runtime

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