CA Aion® Rule Manager

Release Notes

r11

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CA Technologies Product References

This document references the following CA Technologies products:

- CA Aion® Rule Manager (CA Aion Rule Manager)
- CA Aion® Business Rules Expert (CA Aion BRE)
- CA Embedded Entitlement Manager (CA EEM)

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Chapter 1: Overview

The product is renamed as CA Aion Rule Manager (previously CleverPath Aion Business Process Manager, also known as Aion BPM). The terms CleverPath and Aion BPM are no longer used.

This section contains the following topics:

Integration with Jetspeed 2 (see page 7)
New Integration Capabilities (see page 7)
Extensible Metadata for Rules (see page 7)
Expanded Integration with CA Aion BRE (see page 7)
Support for Microsoft Windows Vista, Windows Server 2008 (see page 8)

Integration with Jetspeed 2

This release provides enhanced content management and security services through integration with Jetspeed 2 Portal, which provides support for industry standards such as JSR-168 and WebDAV for standardized access to portlet and repository content.

New Integration Capabilities

CA Aion Rule Manager delivers enhanced integration capabilities through new features which reduce the need for custom coding. New features include the ability to access databases through JDBC, and access web content and CA Aion Rule Manager content repository through the use of WebDAV.

Extensible Metadata for Rules

CA Aion Rule Manager allows you to customize the information collected about rules, also known as metadata for rules, during rule definition. For example, you can require the rule author to enter additional notes about the usage of the rules. As a result, you can easily customize the metadata for rules based on an organization's requirements.

Expanded Integration with CA Aion BRE

CA Aion BRE customers can export rules from the Rule Manager to the Aion BRE IDE, allowing developers to directly incorporate rules managed by business users into Aion BRE solutions without using Web Services.

Support for Microsoft Windows Vista, Windows Server 2008

CA Aion Manager now supports client machines running on Microsoft Windows Vista and Windows 2008. For EEM, please refer EEM release notes to verify supported platform.

Chapter 2: New Features

This chapter details the new features of CA Aion Rule Manager r11.

This section contains the following topics:

Business Vocabulary Manager (see page 9)
Rule Manager to BRE Conversion Utility (see page 10)
New Business Rule Model (see page 10)
Business Rule Expression Builder (see page 11)
Additional Data Types and Functions (see page 11)

Business Vocabulary Manager

The Business Vocabulary Manager delivers greater functionalities for you to create, edit and delete vocabularies, types and terms. It supports complex types and provides enhanced management features such as check-out and check-in. The Business Vocabulary Manager replaces the previous Business Vocabulary Terms creation feature.

In the Business Vocabulary Manager, terms define an instance or a set of instances of a type used in defining a rule. Types, used to create terms, can be further categorized under User Type as a complex type (composition) or enumeration (a list of possible values). The following default types are available:

- boolean
- string
- duration
- datetime
- numeric

User Type

A user type is defined as a complex type or an enumeration.

A complex type is a collection of named fields. Each field is defined as an is a or is a set of, of another type. This allows the user to define an increasingly complex type.

Example: User defines the following type

Voucher

Voucher is composed of value which is a numeric with a precision of 2 and expirationDate which is a datetime and itemCategory which is a String and isUsed which is a Boolean.

Voucher is then used in the definition of Customer.

Customer

Customer is composed of id which is a numeric with a precision of 0 and discountRate which is a numeric with a precision of 1 and category which is a CustomerCategory and region which is a CustomerRegion and vouchers which is a set of Voucher.

Each named field can be marked as input, output or internal.

An enumeration contains a list of possible values.

Example: CustomerCategory is an enumeration with the following values GOLD or SILVER or BRONZE.

Rule Manager to BRE Conversion Utility

The Rule Manager to BRE conversion utility can be used by customers to integrate projects authored in Rule Manager with existing BRE applications or by customers who want to take advantage of the faster speed of inference of BRE. The conversion is possible only at Project level and not at rule set level.

New Business Rule Model

CA Aion Rule Manager introduces an additional rule model to present the rule in a graphical manner for non-technical users.

IfThenRule

The IfThen rule is structured such that you can build a single If condition along with one or more Then actions. This rule's interface integrates smoothly with the existing rule management system including validation, testing and deployment.

Business Rule Expression Builder

The Rule Manager in this release provides support for complex data types, calendar, and rule iterations over collections of objects. It delivers a new business rule Expression Builder for the user to easily build IfThen rules and expressions from a set of expression fragments. The Expression Builder consists of a point-and-click editor, free form editor expression blocks, cursor and item manipulators, validation output and iterations.

Additional Data Types and Functions

In addition to the basic data types, Rule Manager now supports the following data types and functions:

- Datetime
- Duration
- Enumeration
- User defined Complex data types
- Datetime functions such as Hours from
- Duration functions such as Year Count From
- Math functions such as Absolute Value
- Text manipulation functions such as Substring
- Collection manipulation functions such as Select All, Max in, Sum of, and others. With collection manipulation functions, user can create rules like the following:

  ```
  {vista machines}= Select All {m} In {all machines} Such That ( {m.operating system} = {“vista”})
  ```

Chapter 3: Enchancements to Existing Features

This chapter details changes to existing features and also lists features that have been removed.

This section contains the following topics:

Enhanced Features (see page 13)
Renamed Features (see page 14)
Removed Features (see page 14)

Enhanced Features

The following features are enhanced in CA Aion Rule Manager r11:

- Sharing tab
- Download functionality
- Fast Search Engine
- Test Cases

Deploy in Sharing Tab

From the Sharing tab, you have a new option called Deploy. If you select this option, the other users can access the deployment tab and can expose the rule project as web service. If you do not select this option, the other users cannot deploy the rules but can modify the rules.

Download All Versions of Asset or File

You can download all the versions of any asset or file by using the Download assets with all versions option.

Fast Search Engine Replaced

FAST search engine is replaced with open-source Apache Lucene.

Enhancements in Test Cases

The following enhacements are available in test cases:

- Test result comparison is not case sensitive and all expected value and actual value must match for a test case to be marked successful.
- Test cases are now version controlled. You can check-in, check-out and view version histories.
- Test case title and description modification is moved to its properties page.

Renamed Features

The following features are renamed in CA Aion Rule Manager r11:

- IfThen rule refered in 10.x releases is renamed as Lookup Table rule. A new Rule type introduced for IF /THEN rule.
- Lock, Unlock feature for rule and test case is renamed as Check-in and Check-out.

Removed Features

The following features are longer available:

- Decision Table rule type
- Compare Rules feature
- View previous run feature

Chapter 4: Migration

This section contains the following topics:

Migration Utility (see page 15)
Migrate the Projects (see page 15)

Migration Utility

The migration utility is a standalone utility and is copied when CA Process Manager is installed. The migration utility folder contains the .jar files needed to run this tool. This utility migrates 10.x projects into the r11 version. The migration utility gets installed in the path you specify. For example,

```
C:\Program Files\CA\AionRM\RuleManager\migration
```

Migrate the Projects

To migrate the projects

1. Before uninstalling 10.x, download the existing projects using the Download option available in the rules folder.
2. Follow the instructions in Readme.txt, available in the migration folder.

The migration utility generates a zip file. The zip file is uploaded using the upload and extract option in Add content.

Note: Projects can be migrated as a whole instead of migrating them individually.