Rule Engine Implementation

From ADempiere ERP Wiki

This my idea to implement the Rule & Engine into ADempiere

Fist we need create new model data into Application Dictionary:

- Table AD_Rule_Engine
- Fields:
 - Value
 - Name
 - Description
 - Rule Engine Type
 - Script

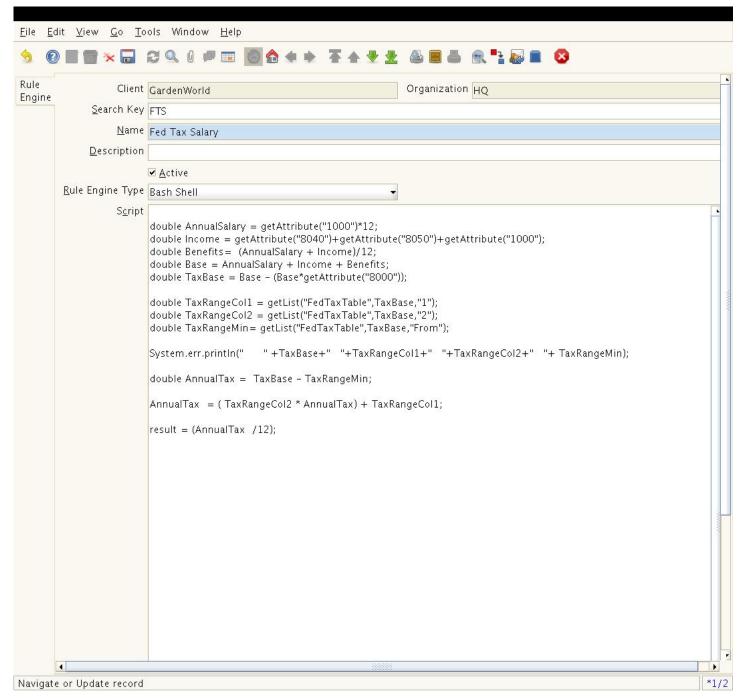
DDL Script

```
CREATE TABLE adempiere.ad_rule_engine
{
    ad_client_id numeric(10) NOT NULL,
    ad_org_id numeric(10) NOT NULL,
    ad_rule_engine_id numeric(10) NOT NULL,
    created inumeric(10) NOT NULL,
    created timestamp without time zone NOT NULL,
    createdby numeric(10) NOT NULL,
    description character varying(255),
    isactive character(1) NOT NULL,
    name character varying(60) NOT NULL,
    rule_engine_type character varying(2),
    script character varying(400),
    updated timestamp without time zone NOT NULL,
    updatedby numeric(10) NOT NULL,
    updatedby numeric(10) NOT NULL,
    value character varying(40),
    CONSTRAINT ad_rule_engine_key PRIMARY KEY (ad_rule_engine_id),
    CONSTRAINT ad_rule_engine_isactive_check CHECK (isactive = ANY (ARRAY['Y'::bpchar, 'N'::bpchar]))
}
```

New Windows into Application Dictionary

- Windows Name : Rule Engine
- Fields
 - Search Key : Value to search to Rule
 - Name : Name of Rule
 - Description: Description detail the rule
 - Rule Engine Type :
 - Bash Shell (Allow execute a rule based in this language script)
 - SQL (Will Allow execute a rule based in SQL standard)
 - AOP (Will Allow execute a rule based in AOP)
 - Script : Script logic to Rule Engine Type

Screenshot



Here you can review how I am implement bash Shell in Payroll

 $MHR Process \ (http://adempiere.svn.sourceforge.net/viewvc/*checkout*/adempiere/branches/libero/src/org/eevolution/model/MHR Process.java)$

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