

Change Management

Summary

Change Management is a feature that facilitates communications between developers, as well as manage issues or bugs systematically for software development projects.

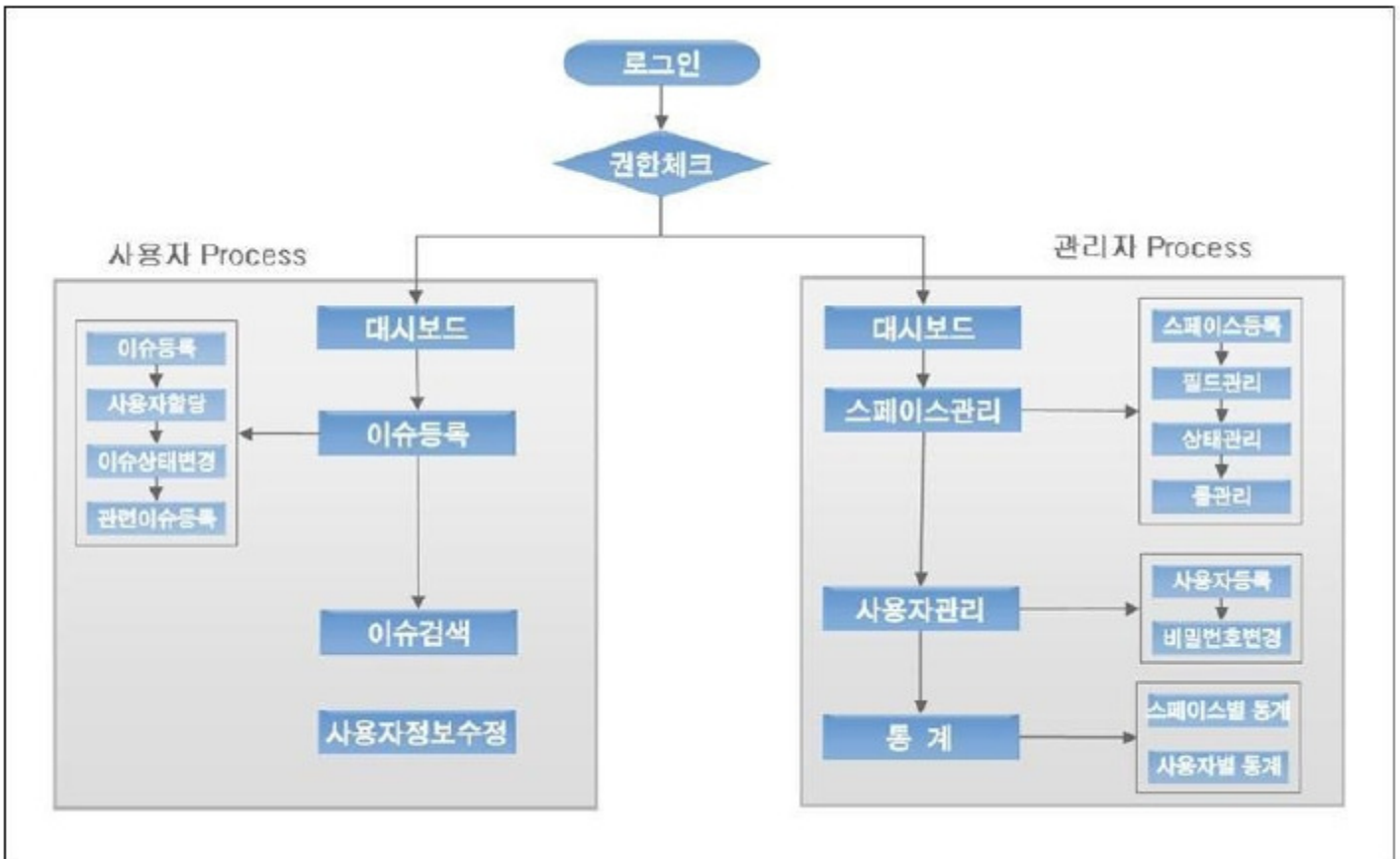
Feature

Change Management provides Space Management, Issue Management, Statistics, Dashboard and other features.

Feature	Description
Easy to Install	Provides simple installation mechanism through deploy war provided without separate customizing
Eclipse Integration	Connected to issues in commit through connecting to configuration connection Plug-in of Eclipse and search issues
E-Mail Integration	Send email to persons in charge in user registration, issue registration and status revision.
Cross Referencing of Issues	Mutual reference between registered issues, connection with related issues
Custom Fields / Status	Define status of field and issues of the space for efficient management of the space
Detailed History View	Inquire registrar, persons in charge, status, past change history for registered issues
Statistics	Understand overall issues and user status through registered space and user status
Search	Provides diverse search conditions (including deleted issues) to search desired issues in short time
Dashboard	Understand registered space, issue and allocated issues by each user
Administration Management	Provides strong user management, space management, configuration management, statistics and issue management

Process

Change Management comprises of admin features such as Space Management (field, status) and user features such as issue management, and regular users can manage issues accordingly in a contained environment.



Field Management

Field stands for any entry in a given space.

Field management, in turn, lets you register and manage custom fields in Spaces.

For example, if you want to manage importance and priority on top of the basic items (title, contents, issuer, etc.), you can add those fields using Field Management.

- Field type : Priority (Drop Down), Severity (Drop Down), Selection (Drop Down List), Number (Decimal Number), Text (Free Text Field), Date (Date Field)
- Field option : You need to add field options in case of Priority, Severity, and Drop Down List, and they can be prioritized separately.
- Field option :

Status management

Status here means issue statuses.

Issue registration, assignment, resolution, deletion can be managed if desired.

Issues can be managed systematically via status management.

- Basic status : NEW, OPEN, CLOSED
- Predicted status : ASSIGNED, SOLVED, REJECTED statuses can be added to for issues to be managed systematically.

Role management

Role defines assigned user roles in a given space.

By assigning roles to users, issues in a given space can be managed systematically. Change Management provides the feature to register and manage roles.

- Basic role : DEFAULT, ROLE_ADMIN (default admin role)
- Predicted role : PROJECT MANAGER, ARCHITECT, MODELLER, PMO roles can be registered for use.

Main features

Change Management comprises of space management, issues management, user management, and settings management.

Admin features

Menu (1Level)	Menu (2Level)	Description
Dash board		Understand registered space, issue and allocated issues by each user
Revise personal information		Revise personal information except for ID and names
Space	Space	Classify spaces and manage issues by each space
	Field management	Define field by each space for more efficient management of issues
	Role management	Manage role for user authority
	Status	Manage status of issues by each space
User management		Manage user information and role of each space
Issue		Manage issue and history of each space, refer to related issues and provide function to send mail
Search issues		Provides diverse search conditions (including deleted issue search to search desired issues in short time)
Search indexing		Create index to search issue search
Statistics	Statistics of each space	Understand the overall issue and user status through statistics of each registered space
	Statistics of each	Understand the overall issue and user status through statistics of registered user
Configuration management	Mail configuration	Configure mail host information, server, ID and PW
	SMSconfiguration	Configure SMS Host information, server ID and PW
	Configuration	Configure file upload route and index route

User Features

Menu	Description
Dash board	Understand registered space, issue and allocated issues by each user
Revise personal information	Revise personal information except for ID and names
Issue management	Manage issue and history of each space, refer to related issues and provide function to send mail
Search issues	Provides diverse search conditions (including deleted issue search to search desired issues in short time)

Install

Change Management runs on Java 5.X or later. You can download JDK at <http://www.java.com/download>

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To install Change Management, modify configuration file according to project environment, deploy WAR file to installed WAS server.

Steps to install

Deploy WAR File

1. Download WAR File.
 - URL : <http://www.egovframe.go.kr/> [<http://www.egovframe.go.kr/>]
 - Menu : [Download>IDE]
 - File name : egovframework-dev-isu.war
2. Unarchive WAR File, then modify configuration file.
 - Application configure file per DBMS
 - Modify configuration file for search engine, lucene
3. Deploy WAR File to WAS server.

Create table

1. Download table creation script
 - My SQL : issue_mysql.script
 - Oracle : issue_oracle.script
 - Altibase : issue_altibase.script
 - Tiberio : issue_tiberio.script

2. Run the script to create table.

Test after installation

1. Browse to 'http://domain:port/egovframework-dev-isu' [<http://domain:port/egovframework-dev-isu/>].
2. Login to check installation with ID : " admin" , and password : " admin123" .

Modify Configuration

1. Configure email in [Configuration>Email Setting] of Change Management menu.
 2. Configure SMS in [Configuration> SMS Setting] of Change Management menu.
 3. Configure file upload path and index creation result path in [Configuration>Preferences] of Change Management menu.
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Environmental settings

Modify DBMS Configuration file

[My SQL DBMS]

1. context-hibernate.xml

Path : \egovframework-dev-isu\WEB-INF\config\spring\context-hibernate.xml

```
<prop key="hibernate.dialect">org.hibernate.dialect.MySQLDialect</prop>
```

2. context-datasource.xml

Path : \egovframework-dev-isu\WEB-INF\config\spring\context-datasource.xml

Set url to match current project.

```
<property name="driverClassName" value="com.mysql.jdbc.Driver"/>
<property name="url" value="jdbc:mysql://192.168.200.24:1621/dev"/>
```

3. jtrac.hbm.xml

Path : \egovframework-dev-isu\WEB-INF\classes\hibernate\jtrac.hbm.xml

Download following file to replace My SQL version.

jtrac.hbm.xml

4. issue_mysql.script

Download following file and create a table using MySQL DDL (issue_mysql.script)

issue_mysql.script

✓ In case of MySQL, step 1, 2, 3 is unrequired since default configuration is already present.

[Oracle DBMS]

1. context-hibernate.xml

Path : \egovframework-dev-isu\WEB-INF\config\spring\context-hibernate.xml

```
<prop key="hibernate.dialect">org.hibernate.dialect.Oracle9Dialect</prop>
```

2. context-datasource.xml

Path : \egovframework-dev-isu\WEB-INF\config\spring\context-datasource.xml

Set url to match current project.

```
<property name="driverClassName" value="oracle.jdbc.OracleDriver"/>  
<property name="url" value="jdbc:oracle:thin:@192.168.200.22:1521/egovfrm"/>
```

3. jtrac.hbm.xml

Path : \egovframework-dev-isu\WEB-INF\classes\hibernate\jtrac.hbm.xml

Download following file to replace Oracle version

jtrac.hbm.xml

4. issue_oracle.script

Download following file and create a table using Oracle DDL (issue_oracle.script)

issue_oracle.script

[Altibase DBMS]

1. context-hibernate.xml

Path : \egovframework-dev-isu\WEB-INF\config\spring\context-hibernate.xml

```
<prop key="hibernate.dialect">org.hibernate.dialect.AltibaseDialect</prop>
```

2. context-datasource.xml

Path : \egovframework-dev-isu\WEB-INF\config\spring\context-datasource.xml

Set url to match current project.

```
<property name="driverClassName" value="Altibase.jdbc.driver.AltibaseDriver"/>  
<property name="url" value="jdbc:Altibase://192.168.200.22:1721/dev"/>
```

3. jtrac.hbm.xml

Path : \egovframework-dev-isu\WEB-INF\classes\hibernate\jtrac.hbm.xml

Download following file to replace Altibase version

jtrac.hbm.xml

4. issue_altibase.script

Download following file and create a table using Altibase DDL (issue_altibase.script)

issue_altibase.script

[Tiberio DBMS]

1. context-hibernate.xml

Path : \egovframework-dev-isu\WEB-INF\config\spring\context-hibernate.xml

```
<prop key="hibernate.dialect">org.hibernate.dialect.Oracle9Dialect</prop>
```

2. context-datasource.xml

Path : \egovframework-dev-isu\WEB-INF\config\spring\context-datasource.xml

Set url to match current project.

```
<property name="driverClassName" value="com.tmax.tiberio.jdbc.TbDriver"/>  
<property name="url" value="jdbc:tiberio:thin:@192.168.200.22:1821:egovfrm"/>
```

3. jtrac.hbm.xml

Path : \egovframework-dev-isu\WEB-INF\classes\hibernate\jtrac.hbm.xml

Download following file to replace Tiberio version
jtrac.hbm.xml

4. issue_tibero.script

Download following file and create a table using Tiberio DDL (issue_tibero.script)
issue_tibero.script

Modify lucene configuration file

1. lucene index directory

Create folder where WAR File is distributed.

2. context-lucene.xml

Path : \egovframework-dev-isu\WEB-INF\config\spring\context-lucene.xml

Change the location below to the absolute route created in no. 1.

```
<bean id="indexDirectory" class="org.springframework.lucene.index.support.FSDirectoryFactoryBean">  
  <property name="location" value="indexes"/>  
</bean>
```

ex) Example changed to absolute path

```
<bean id="indexDirectory" class="org.springframework.lucene.index.support.FSDirectoryFactoryBean">  
  <property name="location" value="file:///user/dev/weblogic/issue/egovframework-dev-isu/indexes"/>  
</bean>
```