

Manual

IDE for the Development Framework

Introduction to an IDE for the Development Framework

Introduces the purpose of the development environment, services provided for the environment, configuration tools (JDK, WAS, DB and OpenSource) and other information.

IDE

Provides a lightweight as well as an integrated development environment for developers.

Server IDE

The eGov framework provides a simple-to-install server IDE.

User Guide for Developers

User Guide for IDE

Provides guidance on how to install the development environment, create a project, and run it.

User Guide for Server IDE

Provides guidance on how to download and install the Windows- or Unix-version of the server development environment.

Getting Started

This guide is a sample walkthrough of how to create a simple "Hello World" application using the eGov standard framework.

Implementation Tool

Editor

The eGovFrame Editor is an open platform for the e-government development environment, and provides an IDE-style source editor functionality.

SourceCode Editor

The eGovFrame SourceCode Editor is an open platform for the e-government development environment, and provides an IDE-style source editor functionality.

IDE

With efficiency in mind, Eclipse-based features such as Perspective, Menu, New Project Wizard, New Template Wizard and others are provided for developers.

Common Component

With convenience in mind, 219 different installation wizards based on eGovFrame web components are provided for developers.

Customize Development Tool

The e-government standard framework provides tools that let developers selectively choose which feature to include in a given project.

Mobile IDE

With convenience in mind, Eclipse-based features such as Perspective, menu, a mobile source code template wizard, a mobile site template wizard and others are provided for mobile app developers.

Mobile Common Component

With convenience in mind, installation wizards for 30 different web-component-turned-mobile-components and 10 different new mobile components are provided.

Mobile Code Verification

Provides a web standard verification feature for testing source codes from the eGovFrame mobile projects.

Add Plug-In

The e-government framework provides tools that let developers selectively choose which feature to include in a given mobile project.

UML Editor

This tool provides support for drawing an activity, a class, a sequence and a UseCase diagrams.

Use Case Diagram Editor

Class Diagram Editor

Sequence Diagram Editor

Activity Diagram Editor

ERD Editor

This tool is an editor for composing physical ER models in an IDE setting.

DBIO Editor

This tool is a de-facto standard editor to access database.

The SQL Map Config Editor supports an SQL Map Config File editing functionality.

The SQL Map Editor supports an SQL Map File editing.

The Data Source Explorer provides support for the configuration of database source and access to child objects of data sources.

The DBIO Search View provides a search functionality for query IDs within SQL Map files.

WebFlow Editor

Provides editing and validation features for Spring WebFlow config files.

Code Generation

Provides a functionality of generating skeleton or actual source codes based on rapid prototype models or configurations.

Template-based Code Generation

Provides a feature to generate DB-table codes and configuration files.

Model-based Code Generation

Analysis- or design-stage conceptual models can be transformed into source codes using a method for executing UML 2.0 model.

Code Inspection

Detects errors or potential issues based on developer-specified inspection rules. Summary of this tool and the installation and update guideline will be discussed.

Tool Usage

Explains basic usage of how to use the eGov framework's Code Inspection tool.

Custom Inspection Rules

Explains how to create and use custom rules for Code Inspection.

Server Connection Management

Provides an Eclipse-based functionality to manage server connection information.

SVN Repositories View

The eGov framework adopts Subversion for SCM purposes in order for users to manage source code easily on PCs.

Nexus

The eGov framework provides a Nexus management functionality.

Debug

Local Debug

Provides a debugging functionality for locally run programs.

Remote Debug

Provides a debugging functionality for remotely run applications via WAS (Jboss, JEUS and WebLogic).

Test Tool

Unit Test

Provides guidance for developers to perform unit testing against target source codes.

Test Case

Introduces how to use JUnit to create and run unit test cases.

Mock Support

Explains how to use mock-up objects when creating unit test classes.

DB Support

Introduces how to create and run test cases for testing database-related unit tests.

Test Automation

Introduces how to auto-run multiple unit tests and auto-generate reports.

Write TestSuite

Preparing for creating multiple test classes for test automation.

Run TestSuite

Running automated multiple test cases using test classes.

Test Reporting

Generating automated test results in text/XML/HTML/Excel file formats.

Test Coverage

Explains how to measure test coverage in a given test code and how to create a report for it.

TestCase Generator

Explains the Eclipse IDE plug-in for generating test case templates by each architecture tier and providing code examples for test cases by scenario.

Deployment Tool

Build Tool

Explains local builds on developers' PCs and integrated, remote builds on build servers.

Personal Build

Explains how local builds based on a Maven tool work.

Build LifeCycle

Explains a software lifecycle and a Maven build command set.

Build Repository

Explains how repositories that manage the library work.

Implementation Plug-in

Explains how the Maven plug-in works on the Eclipse IDE.

Integrated Build

Explains how integrated builds for continuous integration purposes work.

Nexus

Nexus is a Maven repository manager that lets user control repository settings.

Server Migration

Provides a functionality to migrate build-complete packages and modules to a target server and to control WAS.

Configuration & Change Management

Configuration Management

Explains the concept and characteristics of a management tool for configuration and what types are available.

SCM Server Management

Explains how to run and maintain Subversion servers.

SCM Client Usage

Explains how to use a sort of the Subversion client, called Subversive Eclipse plug-in.

Change Management

Introduces the Change Management and how to install and run it.

Issue Management

Explains how users can register issues, and how the responder can update resolutions to handle the issues.

Issue Search

Explains how to search for registered or deleted issues.

Dashboard

Explains how issues dashboard can show issues organized by spaces.

Space Management

Explains the functionality to manage spaces, roles, statuses, fields and other categories that can be used for grouping issues.

User Management

Explains how user information can be managed.

Statistics

Explains how per-space statistics on issues are collected.

Settings

Explains how settings for the Change Management can be changed or set.

Installation Guide for the Standard Development Environment

Install Guide

Operation Guide for the Standard Development Environment

Operation Guide