New JSLplus$^+$ Plugin Enhances Java Batch Validation for plus$^+$Pack Suite

Compatible with any Java Eclipse-based IDE, SEA's new plugin enhances Java Batch validation & run-time simulation, minimizes production defects and improves overall efficiency.

Garden City, New York, August 1st, 2023

Software Engineering of America (SEA), a leading vendor of Data Center management solutions on the IBM Z & IBM i platforms, announces the latest addition to its plus$^+$Pack software suite: the JSLplus$^+$ plugin.

JSLplus$^+$ enhances the validation and run-time simulation of Java Batch processes that adhere to the JSR-352 standards. With the JSLplus$^+$ plugin, you can ensure the efficient integration of Java Batch quality controls to the existing batch lifecycle processes, minimizing costly production defects and improving overall efficiency.

JSR-352 introduced Job Specification Language (JSL), an XML-based language that defines batch jobs and associated artifacts within the batch programming model. Job XMLs, implemented in XML, play a crucial role in this process. The JSLplus$^+$ plugin provides a comprehensive set of tools to validate individual Job XMLs, all Job XMLs in an Eclipse project, or all Job XMLs packaged within a web archive (WAR) file.

SEA's new JSLplus+ plugin is compatible with any Eclipse-based Java Integrated Development environment, including IBM Developer for z/OS (IDz), BMC Compuware Topaz Workbench, Micro Focus Enterprise Developer for Eclipse, native Eclipse environments, and others . JSLplus+ plugin supports Job XMLs coded according to Java Batch version 1.0, 2.0, or 2.1 specifications, ensuring compatibility with various standard versions.

The key features of the JSLplus⁺ plugin include:

- Syntax Checking and JSL-Specific Error Detection: Ensures the validity of your XML files and identifies any JSL-specific errors effectively.
- Variable Property Definition Resolution: Resolves variable property definitions seamlessly, allowing for accurate validation.
- JSL Semantics Validation: Validates JSL semantics including proper coding of forward references and property references.
- Artifact Reference Validation: Verifies references to artifacts, such as the existence of Java classes and their correct implementation of interfaces.

The JSLplus⁺ plugin also generates a detailed report and additional cross-reference windows to make the validation process even more intuitive. These features include:

- Summary of Warnings and Errors: Quickly accesses an overview of any warnings or errors detected during the validation process.

- Searchable Indexed References: Easily searches and navigates through JSL tags, JSL properties, and Java artifacts for efficient troubleshooting.

- Graphical Visualization: Provides a graphical representation of the flow of steps within a job, enabling visual insights into your batch processes.

To learn more about the exciting new capabilities available with JSLplus⁺, please email SEA at info@seasoft.com, contact SEA at 800-272-7322 / 516-328-7000 or go to seasoft.com.

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About SEA – Software Engineering of America

Established in 1982, Software Engineering of America (SEA) has built a worldwide reputation as a leading provider of intelligent & functionally-rich tools that optimize, automate, tune, manage and monitor all critical operations on IBM Z & IBM i platforms. SEA products are licensed at thousands of enterprises worldwide, including nine of the Fortune 10 and over 85 percent of the Fortune 500.

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