



Preface

Special Issue on Fujitsu's System Development Methodology: SDAS

Yoshitaka Sakashita

Yoshitaka Sakashita
Group President,
Software & Services
Technology Unit

In recent years, a top priority for our customers has been the speeding up of management so they can respond to rapidly changing markets and business trends. Therefore, there is a strong need for short-term development of the information systems that constitute a management platform.

This special issue introduces Fujitsu's System Development Architecture & Support facilities (SDAS), which is a comprehensive system development methodology that can help meet this need. We have been promoting SDAS since 1987, and the latest version, which was released in November 2003, was thoroughly revised so it supports cutting-edge technologies in Web systems, Java, and other technologies.

The rates at which customers' businesses change and customers begin new services are becoming faster and faster. As a result, it is now an important challenge to quickly develop and construct high-reliability, high-quality information systems. If information systems can be developed in a shorter period, customers can launch new businesses and start benefiting from them more quickly, and this is what SDAS is intended to achieve.

The SDAS presented here is a compilation of application development technologies ranging from those of Fujitsu mainframes to Web systems. It is an integration of cutting-edge methodologies such as Enterprise Architecture (EA), Service-Oriented Architecture (SOA), an industry standard Unified Modeling Language (UML), and a development environment based on open-source Eclipse and Fujitsu's expertise in building large-scale systems. Moreover, we have systemized and standardized a development method for Web application.

SDAS covers development standards, techniques, and development tools, from the analysis and design of upstream development, to imple-

mentation, testing, operation, and maintenance.

This special issue introduces the development tools and technologies of SDAS. It also introduces related matters, for example, our activities for improving software development methodologies at the Software Engineering Center (SEC), which was established with the support of the Japanese Ministry of Economy, Trade and Industry; our approach to improving processes by adapting the Toyota Production System to software development; and examples of SDAS adaptation.

Fujitsu will continue to improve SDAS by incorporating the latest technologies and feedback from development fields and will promote its use worldwide. Also, by actively adapting SDAS to application software and package developments in our system integration service, we hope to contribute to the business of our customers.

I sincerely hope that this special issue will be useful to you in your information system developments.