

hp  
service composer

production  
specification



hp service composer...an easy to use tool for creating and  
deploying Web Services

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## introduction

HP's Web Services tools dramatically simplify the complexity associated with creating, deploying and managing Web services. They shield developers from low-level details and automate many of the steps in HP's patent-pending Web Service Development Lifecycle. Through a combination of partnering and in-house development, HP provides development and administration tools that simplify each step of this lifecycle while improving service quality and reducing time to solution. Please visit the HP Developer web site: <http://www.hp.com/go/developers> for more information on the HP Web Services Development Lifecycle.

HP's tools are compatible with standards-based Web services platforms such as the HP Web Services Platform. This HP platform provides a single architecture for creating and deploying Web services, as well as for publication and discovery of those services in public and private registries. It's a robust and modular Web services infrastructure that runs on top of the HP J2EE application server, HP-AS 8.0, and delivers interoperability with Microsoft's .NET. HP Web Services Platform supports leading web services standards such as SOAP, WSDL and UDDI.

## highlights and key values

HP's Service Composer is an easy-to-use graphical tool for creating and deploying Web Services. It enables developers to quickly and easily create WSDL files that provide the technical fingerprint for accessing and invoking a particular web service. Service Composer can also automatically generate WSDL files from existing Java-based applications. It shields the developer from low-level complexity while enabling them to choose the underlying method or object they want to make available as a Web service.

### **XML schema description documents**

The HP Service Composer has the ability to create, view, and edit XML schema descriptions of documents to be exchanged within a Web Service. The Schema Editor offers integrated graphical and hierarchical editors that allow developers to create document descriptions without requiring in depth XSD knowledge of direct manipulation of XSD syntax. The Service Composer tool can import existing XSD definitions and perform validation to simplify error identification and correction.

### **external web service definitions**

Service Composer has the ability to create, view and edit external Web Service definitions without requiring an in-depth knowledge of WSDL. Service Composer provides support for WSDL constructs and semantics, but allows the developer to manipulate these constructs using simple hierarchical displays, property editors and wizards. Additionally, Service Composer can be integrated with the Registry Composer to view and manipulate WSDL files stored as UDDI tModels. Imported WSDLs are validated so that syntactic and semantic errors can be quickly identified and corrected.

## **new web services**

Service Composer can be used to create new Web Services from existing Java class methods and Enterprise Java Beans. By interacting with Service Composer through a series of wizards, the developer can “bottom up” Web Service implementations, exposing some or all of a Java class or EJBs public methods through the Web Service interface.

## **client proxies**

Service Composer can create client proxies that can be used to implement applications that access Web Services that conform to the external interface being edited or viewed by Service Composer. Such client applications can be used either to test a Web Service being developed, or to utilize functionality of a Web Service as part of a larger application package.

## **trail maps**

The Service Composer trail maps offer 16 lessons/topics on Service Composer usage. Each lesson contains an example and detailed walk-through instructions.

## **feature summary**

Key features of the HP Service Composer include:

- Create, view, and modify new and existing Web Service Definition Language (WSDL) files
- Create, view, and modify new and existing XML Schema (XSD) definitions
- Generate web service definitions from existing Java code bases
- Generate web service client proxies and server skeletons
- Generate HP-SOAP registration files and deployment descriptors
- Deploy generated Web Services onto the HP Web Services platform

## **platform and standards support**

### **minimum system requirements**

- Memory: 128 MB of RAM
- Hard disk space: 10 MB
- Software required: Java 1.3 or above

### supported operating systems

- Windows 98/NT/2000
- HP-UX 11.11
- Red Hat Linux 7.1

### standards support

- WSDL 1.x
- SOAP 1.x
- XML Schema W3 2001-05-02

### **product support**

The version of HP Service Composer included on this disk is being provided as a technology preview with no formal support. Your feedback and questions are important to us, but since this product is being offered as a preview, we cannot respond on an individual basis. Please send us an email to [hpservcomp-feedback@ejl-mail.fc.hp.com](mailto:hpservcomp-feedback@ejl-mail.fc.hp.com) if you would like to submit feedback, comments, questions, or report software bugs during the technology preview period. To download the most recent version of the tool, please visit [www.hp.com/go/developers](http://www.hp.com/go/developers).

sales

We want your HP experience to be a positive one. If at any time you would like to contact HP regarding our Web Services developer tools, please send an e-mail to : [hpservcomp-feedback@ejl-mail.fc.hp.com](mailto:hpservcomp-feedback@ejl-mail.fc.hp.com)

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