

SAVE-IT CATALOG™

# Catalog

*Leveraging  
Software  
Asset  
Value Across the Enterprise*

*From ComponentSource*



# INTRODUCTION

IT organizations must gain competitive advantage for the businesses they support even while buffeted by rapid change. Every aspect of competitive positioning should under go scrutiny, including time-to-market, costs, and productivity. If not addressed, IT becomes an obstacle to growth and market entry.

Where IT is the basis for delivering products and services, platforms that support Component Based Development (CBD) dominate the environment for new development efforts. With increased development spending on these platforms, software components and their related artifacts represent a major asset category within most modern organizations. To maximize the potential Return on Investment (ROI) inherent in these assets, the IT organization must leverage the value of this software across the enterprise.

Through our extensive experience in creating the world's largest marketplace for software components, ComponentSource offers the SAVE-IT™ Solution to leverage software asset value across the enterprise through a process that establishes software asset management as an economically viable business within a business, catalog web services that harness the power of the marketplace to drive reuse behavior, and content that is critical to achieve initial and long term success.

The primary objective underlying the SAVE-IT™ approach is to promote reuse of software artifacts and assets. Achieving this goal extends beyond static repositories. SAVE-IT™ dynamically facilitates enterprise-wide adoption, achieves rapid implementation, and ensures initial and ongoing success of your software asset management goals via a three pronged approach:

## ▶ THE APPROACH

### **SAVE-IT PROCESS™**

Delivered through a structured series of workshops, the SAVE-IT PROCESS™ implements an economically viable business model within your organization to create, catalog, and leverage software asset value across the enterprise. Designed to work proactively with the SAVE-IT CATALOG™, the SAVE-IT PROCESS™ utilizes proven organizational structures, methods and incentives to initiate a client specific and economically self-sufficient software Asset Management Center (AMC).

### **SAVE-IT CATALOG™**

Market forces drive reuse, not products or central planning. Enterprise-scale reuse depends on applying the commercial imperatives of reuse without compromising individual project flexibility, responsibility and independence. SAVE-IT CATALOG™ harnesses the power of the marketplace to drive reuse behavior within your organization. Its Marketplace Information Architecture accommodates any electronically

stored artifact and it facilitates the assembly of artifacts into products leveraging software asset value across the enterprise.

Offered as a web service, SAVE-IT CATALOG™ has a rapid implementation cycle, even for organizations in excess of 1,000 developers, it eliminates many upfront and ongoing infrastructure costs required by other approaches, and is operational in the largest and most demanding of development environments globally.

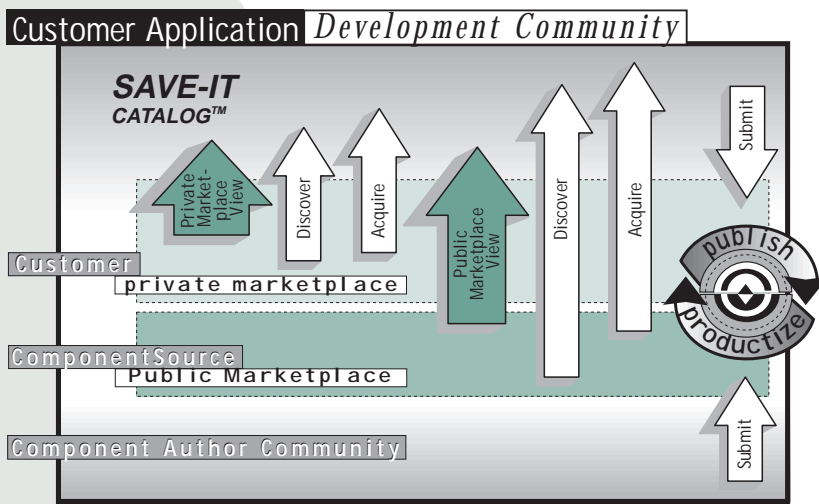
### **SAVE-IT CONTENT™**

Having good processes and infrastructure is not enough, if, when you go to the cupboard, the cupboard is bare. You can't use what doesn't exist! Component usage is fundamentally a supply-driven process. Thus, until a sufficient supply of internally sourced components becomes available, alternative supplies in the initial stages of any reuse project are critical to achieving early wins. And since the "commercial-off-the-shelf" (COTS) software component marketplace provides the advantages of a broad selection of "best-of-breed" alternatives, it is also critical to sustaining long term success.

SAVE-IT CONTENT™ incorporates an extensive product catalog of software components in a wide variety of categories that are applicable to a broad range of development needs.

# SAVE-IT CATALOG

By definition, a dynamic marketplace drives innovative and efficient behavior. ComponentSource has leveraged these fundamental marketplace characteristics to build an infrastructure that drives the supply and demand for COTS software components. The ComponentSource website is the world's largest marketplace for the exchange of software components. SAVE-IT CATALOG™ is a response to requests from our customer base to extend these marketplace principles into their organizations to drive innovative and efficient CBD behavior within their development communities.



To achieve this, SAVE-IT CATALOG™ provides two marketplaces to the user organization: the ComponentSource public marketplace and the enterprise private marketplace. Your organization's private marketplace is where the trade and exchange of internally developed components will be driven. And the ComponentSource public marketplace that supplements your internal supply with contains thousands of publicly traded commercial components that bring tangible value to your development efforts.

Your private marketplace is a robust, leveraged extension of the ComponentSource's proven infrastructure that warehouses 8,000 plus components, classified into 100 plus categories, from some 600 plus authoring communities. Since its inception, this infrastructure has securely facilitated millions of component reuse transactions within our global customer base of 500,000 developers.

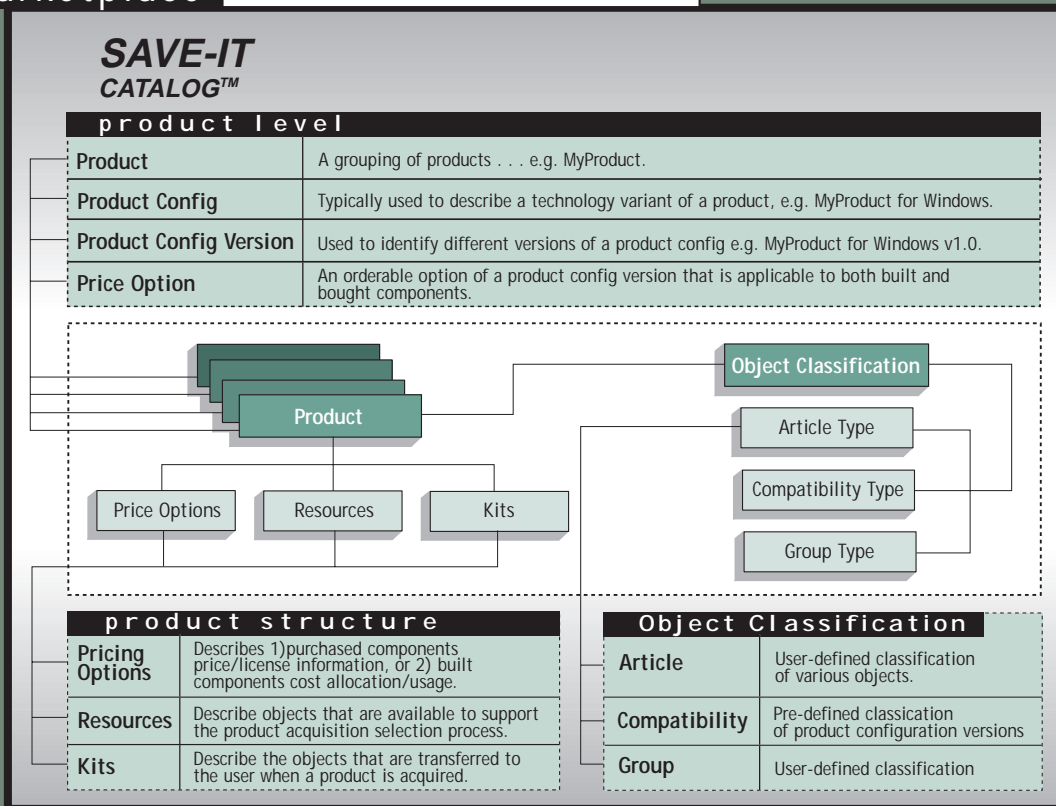
As part of the initial installation of SAVE-IT CATALOG™, ComponentSource will configure your private marketplace to measurably produce value by driving the enterprise adoption and reuse of your firm's software assets.

## MARKETPLACE INFORMATION ARCHITECTURE

Software asset usage is fundamentally a supply-driven process. But if developers cannot find or understand the artifact or component, or the product's limited configuration disallows its consumption, then the supply of assets in your repository are rendered non-earning. SAVE-IT CATALOG™ defines three areas within its information architecture that together resolve these issues enabling discover and consume marketplace behavior. These areas are Product Level, Product Structure and Object Classification.

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# Marketplace *Information Architecture*



The Product Level, Product Structure and Object Classification design of the Marketplace Information Architecture accommodates any electronically stored artifact:

## Accommodated *Artifact Types*

- ◆ Built components
- ◆ Bought components
- ◆ Product overview documents
- ◆ Function specification documents
- ◆ Technical user guides
- ◆ Help files
- ◆ Demonstration software
- ◆ Source code
- ◆ Development artifacts
  - Models
  - XML schemas
  - DTDs
- ◆ Business process models
- ◆ Best practices, guidelines & policies
- ◆ Project management artifacts
- ◆ Portfolio management artifacts

This facilitates the assembly of artifacts into products and the management of that asset base with a flexible information and metadata structure:

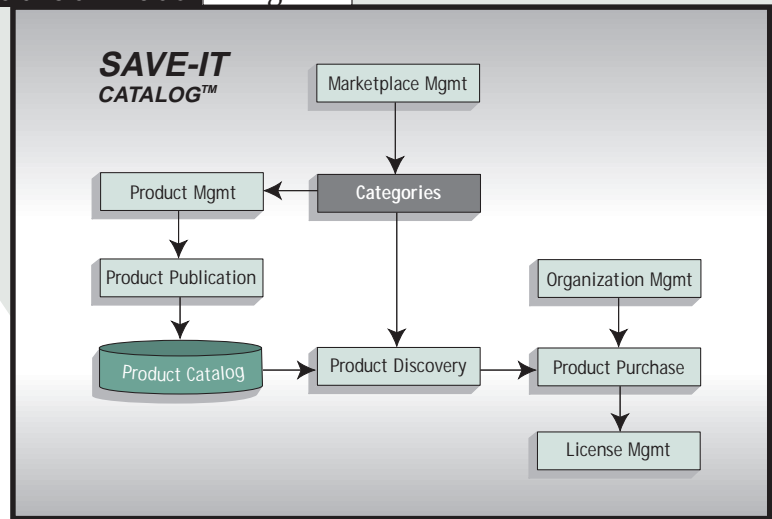
## Facilitated *Artifact Management*

Information structure	Metadata
<ul style="list-style-type: none"> <li>◆ Packaging artifacts into products</li> <li>◆ Associating artifacts with products</li> <li>◆ Hierarchical structure for artifact/product management</li> <li>◆ Version management                             <ul style="list-style-type: none"> <li>• Artifact level</li> <li>• Product level</li> <li>• Manage associations                                     <ul style="list-style-type: none"> <li><input type="checkbox"/> Version specific</li> <li><input type="checkbox"/> Latest version</li> </ul> </li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>◆ Highly flexible, user extensible classification schemes.</li> <li>◆ Multiple concurrent classification schemes.</li> <li>◆ Pre-defined metadata templates for asset publication.</li> <li>◆ Information architecture eliminates scalability issues related to a metadata string search approach.</li> </ul>

# WEB SERVICE INFRASTRUCTURE

SAVE-IT CATALOG™ leverages the ComponentSource proven infrastructure and provides an automated solution to achieve enterprise reuse through scalable, marketplace-based, web services. These web services allow the user organization to fully manage and exploit the private and public component marketplaces, and are grouped into a set of interrelated areas as shown here:

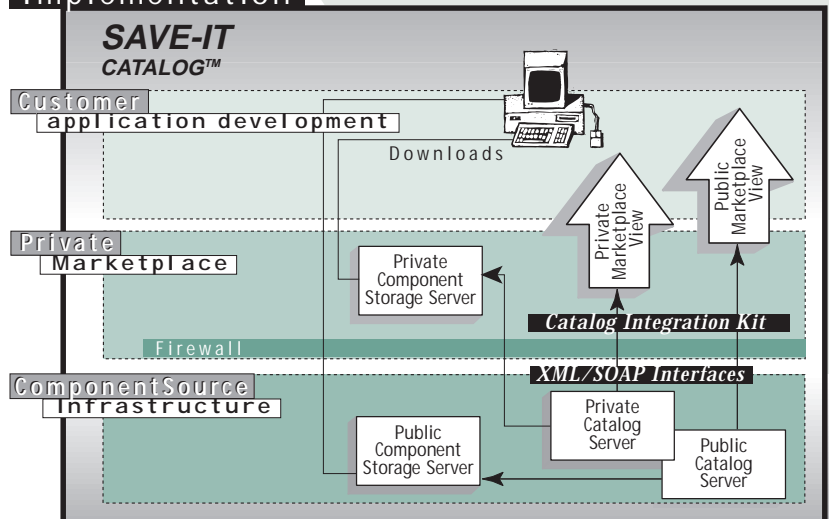
**Web Services Diagram**



# DEPLOYMENT

Experience has taught that gaining the maximum benefit from deploying SAVE-IT CATALOG™ is dependent on being part of a well planned, sustained and enterprise-wide software asset management initiative. The SAVE-IT CATALOG™ architecture possesses the necessary flexibility to facilitate your existing initiative, or it can be combined with the ComponentSource SAVE-IT PROCESS™ for organizations just embarking on their software asset management program, or to reinvigorate an earlier effort.

**Implementation**



SAVE-IT CATALOG™ is implemented via its Catalog Integration Kit. This Kit allows the leveraging of the ComponentSource infrastructure, but maintains on your servers, behind your firewall, the components published to your private marketplace.

The Kit is installed on your organization's web server. Using the Organization and Marketplace Web Services your system administrator establishes the structure of the organization and marketplaces, and authorizes initial

users. (For organizations with a large user base, ComponentSource provides user ID file conversion services.)

Within a short implementation cycle, your developer organization enterprise-wide will have access to the SAVE-IT CATALOG™ services. Training for software asset management center administrators is accomplished with classroom sessions, and end-user training is accomplished through "train-the-trainer" classroom sessions or via web seminars.



## CONCLUSION

The ComponentSource SAVE-IT™ solution delivers hard value by leveraging software assets across the enterprise. The market-based approach of the SAVE-IT™ PROCESS, CATALOG and CONTENT achieves the economic impact of large-scale cost avoidance and competitive time-to-market advantage, and that's been proven effective in some of the largest IT organizations in the world. Contact us at [www.componentsource.com](http://www.componentsource.com) and give us the opportunity to discuss with you how these benefits can be delivered to your organization.

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