



## What's New in Oracle WebCenter Sites 12c (12.2.1.2.0)

Oracle WebCenter Sites 12.2.1.2.0 enables organizations to deliver great digital experiences across channels through personalization, targeting, visitor profile management. To create this engaging experience, this release offers marketers intuitive and easy to use features like A/B testing, visitor profile management, and integrations with Oracle Marketing Cloud and Oracle Data Cloud. With new MVC style server side API and all new REST based client side API, this release aims at agility in delivery and reducing time to market. In addition, this release provides numerous enhancements including Image Optimization for mobile, Contributor UI publishing, Accessibility (OAUG 2.0), RTL support, new DOJO based Admin tree, ability to store shared file system in database and many others.

### Find more information based on roles

#### Marketer

#### Sites Contributor

#### Developer

#### Administrator

### Marketer

Empower the marketer with features that minimize IT involvement.

- [A/B Testing](#)

#### A/B Testing

WebCenter Sites offers a marketer friendly, completely in-context A/B testing. Marketers can visually author an A/B test from any page and use either content or presentation or a combination of both as variants. This A/B test provides complete control on when to start the test, how to qualify the success of the test, how to end the test and many other criteria control right from the Contributor interface. This feature provides in-context and interactive report for the A/B test. Marketers can choose to interact with the A/B test from the reporting interface to continue, stop or promote a specific variant. The A/B test takes advantage of WebCenter Sites caching mechanism for optimized delivery.

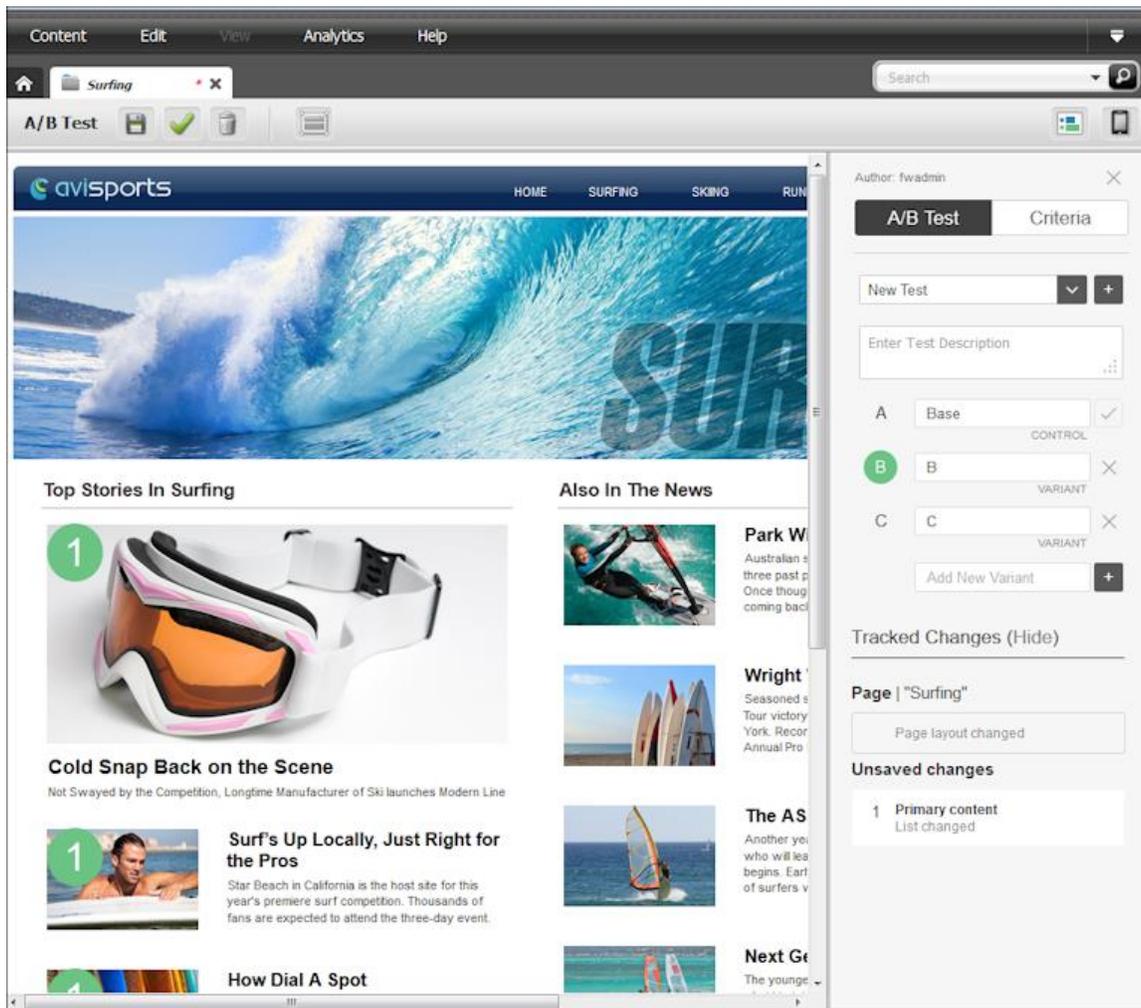


Figure 1 shows the A/B Testing functionality of the Oracle WebCenter Sites Contributor interface.

You can find more about information about A/B Testing in [Oracle WebCenter Sites documentation](#).

## Sites Contributor

- [Contributor Publishing](#)
- [Accessibility and High Contrast](#)
- [RTL \(Right-To-Left\) Orientation](#)
- [My Tags](#)
- [Inherited Tab](#)
- [Content Audit Reports](#)

## Contributor Publishing

Authors who hold the Publisher role can now publish pages and assets directly from the Contributor interface, eliminating the need to publish content from the Admin interface.

You can find more about information about Contributor Publishing in [Oracle WebCenter Sites documentation](#).

## Accessibility and High Contrast

WebCenter Sites now supports configurable accessibility features, including screen reader support, customizable keyboard shortcuts, seamless keyboard-based navigation, and high-contrast mode for Contributor interface based on Oracle accessibility Guidelines 2.0.

## RTL (Right-To-Left) Orientation

The Contributor interface now supports Right-to-Left (RTL) orientation for use with RTL-based languages, such as Arabic.

## My Tags

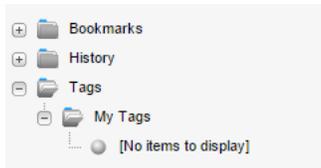


Figure 3 shows the My Tags tree of the WebCenter Sites Contributor interface.

The My Tags tree tab provides access to Marketer's personalized tag tree. By clicking the tag, marketers can get access to all the assets in search result mode and perform multiple asset operations including publishing.

## Inherited Tab

The Inherited tab, available in the asset's view form, displays asset attributes inherited by the asset from parent assets.

## Content Audit Reports *New in 12.2.1.1.0*

Content Audit Reports provide an overall picture of the system at any given time. The content audit reports include details about the content managed, published, content in workflow, new content, checked out as well as the authors working on the content. These easy-to-read charts and graphs provide in-context analysis about the content management site in a given reporting period. The information provided by the Content Audit reports can be used for compliances purposes. Additionally, each asset has a History tab that shows the trail of operations on it.

You can find more information about these reports in [Oracle WebCenter Sites documentation](#).

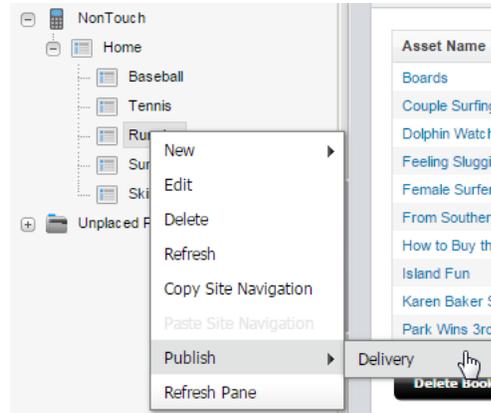


Figure 2 shows the Publish option of the WebCenter Sites Contributor interface.

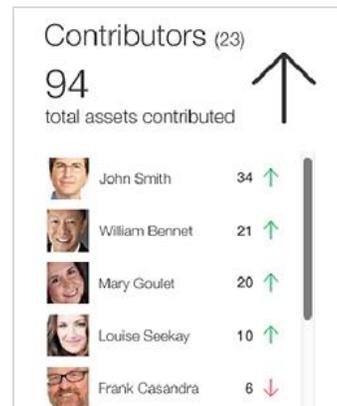


Figure 4 shows the Author Productivity content audit report.

## Developer

- [Server-Side/Client-Side Coding](#)
- [Mobility Framework Enhancements](#)
- [WebCenter Sites Developer Tools Plug-in for Eclipse and CLI](#)
- [Visitor Services](#)
- [Extending WebCenter Sites](#)

### Server-Side/Client-Side Coding

WebCenter Sites now includes a modern development framework, data access APIs, and REST services that enable unprecedented flexibility in developing applications consumed in both desktop and mobile environments.

The new Model-View-Controller (MVC) framework coupled with new data access APIs enable robust development of server-based applications that clearly separate business logic (implemented as Groovy controllers), and presentation (implemented as WebCenter Sites templates). This level of separation provides your applications with the very best mix of dynamic deployment and high-performance caching.

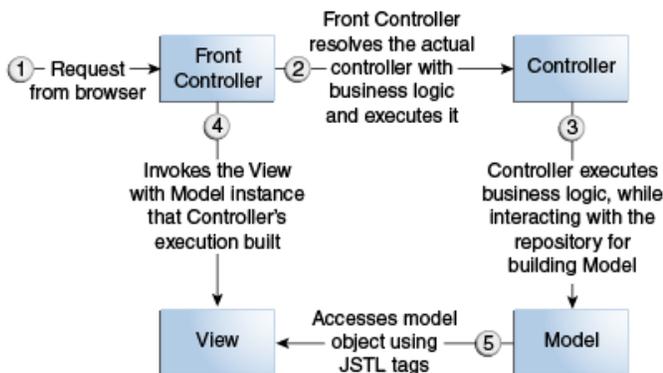


Figure 5 shows MVC Framework process for server-side rendering.

(CSDT) and can be freely mixed and matched. A drastically reduced learning curve and full backwards compatibility with existing applications based on WebCenter Sites allow for seamless adoption.

### Mobility Framework Enhancements

The WebCenter Sites Mobility framework now supports image optimization for mobile sites, including built-in and external optimization algorithms. Creating templates in both the Sites view and the Device Groups view is now also supported. You can find more about information about Server/Client Side Coding in [Oracle WebCenter Sites documentation](#).

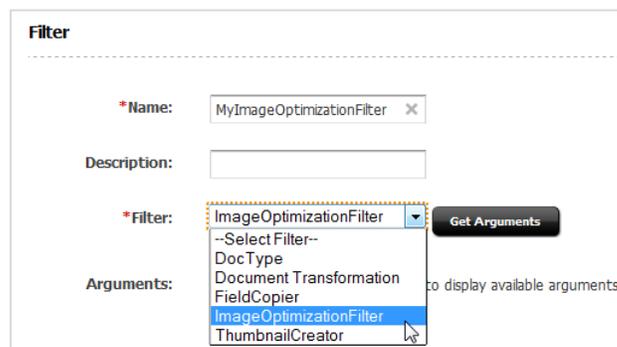


Figure 6 shows the ImageOptimizationFilter option selected on the Filter page of the WebCenter Sites Administrator interface.

## WebCenter Sites Developer Tools Plug-in for Eclipse and CLI

WebCenter Sites now ships with an installable plugin that provides access to the WebCenter Sites Developer Tools from within the Eclipse IDE. WebCenter Sites Developer Tools functionality can now also be accessed from the command line, enabling script-based automation.

### Visitor Services

Visitor Services enables WebCenter Sites-delivered pages to get a handle on visitor profile for targeting and personalizing content on the page. Visitor profile data could be aggregated across multiple sources including LDAP, Eloqua, Facebook, CRM systems and custom data sources. Visitor Services enables applications to identify the visitor, aggregate profile from different repositories, link /unlink profiles, access them securely through Java and REST APIs using an aggregation template. WebCenter Sites APIs are tightly integrated with Visitor Services API for accessing the visitor profile data within templates. Marketers can build segments based on the visitor profile attributes for targeting using WebCenter Sites Engage. Built-in REST APIs allow the sharing of captured and enriched visitor data with external applications to further enhance email campaign targeting efficiency, CRM systems, and many others.

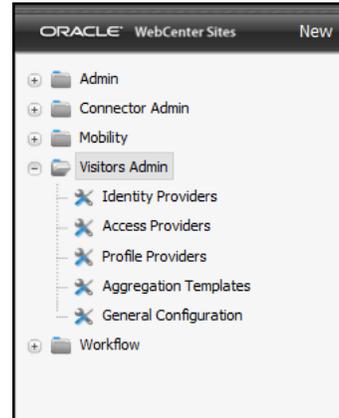


Figure 7 shows the Visitor Admin node of the Oracle WebCenter Sites Administrator interface.

### Extending WebCenter Sites *New in 12.2.1.1.0*

An elegant way to extend WebCenter Sites is to place your implementation-specific customizations, such as static web resources or java libraries in the `extend.sites.webapp-lib.war` shared library. Extending your WebCenter Sites in this manner will ensure that all existing extensions continue to work after you upgrade your WebCenter Sites. You can find more information about extending WebCenter Sites using the shared library mechanism in [Oracle WebCenter Sites documentation](#).

## Administrator

- [Upgrade Oracle WebCenter Sites 11g and Oracle WebCenter Sites 12c](#)
- [Admin Interface Tree Update](#)
- [New WebCenter Sites Deployment Process](#)
- [Enterprise Manager](#)
- [Shared File System Can Be Stored in a Database](#)
- [New Property Management Tool / Properties Migrated to JSON Format](#)
- [Enhanced Security](#)
- [ODL log4j](#)
- [XMLPost CLI Support](#)
- [IPv6 Support](#)

## Upgrade Oracle WebCenter Sites 11g and Oracle WebCenter Sites 12c *New in 12.2.1.1.0*

You can upgrade from 11g to 12c and from 12.2.1.0 to 12.2.1.1. Upgrading from 11g is an out-of-place migration. During this upgrade, you'll use the Upgrade Assistant to migrate data tables and platform configuration. Upgrading from 12.2.1.0 to 12.2.1.1 is an in-place upgrade.

### Admin Interface Tree Update

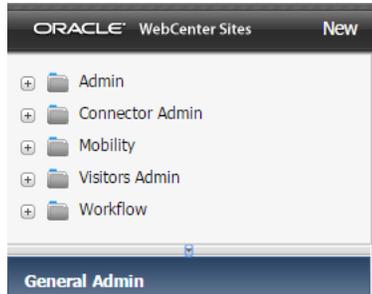


Figure 8 shows the Admin tree of the WebCenter Sites Administrator interface.

The Admin tree has been reworked for better usability and versatility. Tabs have been eliminated and four separate trees are now available: General Admin, My Work, Content, and Site. The trees no longer require Java applet to run.

### New WebCenter Sites Deployment Process

WebCenter Sites and its component applications are now part of the Oracle Universal Installer. Previously manual deployment tasks have been automated and post-installation configuration is now done via Web-based Configurators. Certain deployment tasks still need to be completed manually based on the specifics of the target environment.

### Enterprise Manager

WebCenter Sites and Visitor Services can now be administered and monitored using Oracle Enterprise Manager. Starting/stopping instances, viewing the component home pages, managing logs, and reviewing performance metrics are supported.

### Shared File System Can Be Stored in a Database

WebCenter Sites now supports storing its shared file system in a database instead of a local or network disk volume. The provided conversion tool moves the default disk-based shared file system to either the WebCenter Sites repository database, or to a separate schema. The tool also supports reverting back to a disk-based shared file system.

### New Property Management Tool / Properties Migrated to JSON Format

Properties that govern the behavior of WebCenter Sites and its component applications are now stored in JSON format and are managed using the new Property Management Tool in the Admin interface.

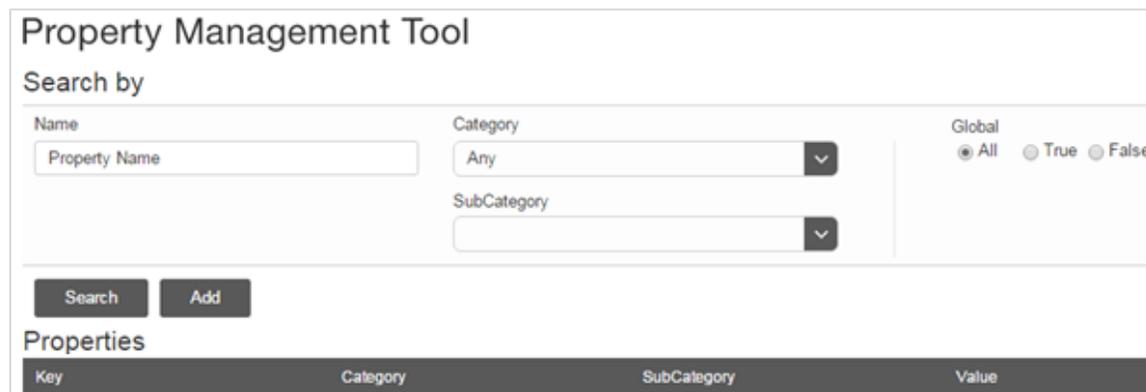


Figure 9 shows the Property Management Tool page of the WebCenter Sites Administrator interface.

## Enhanced Security

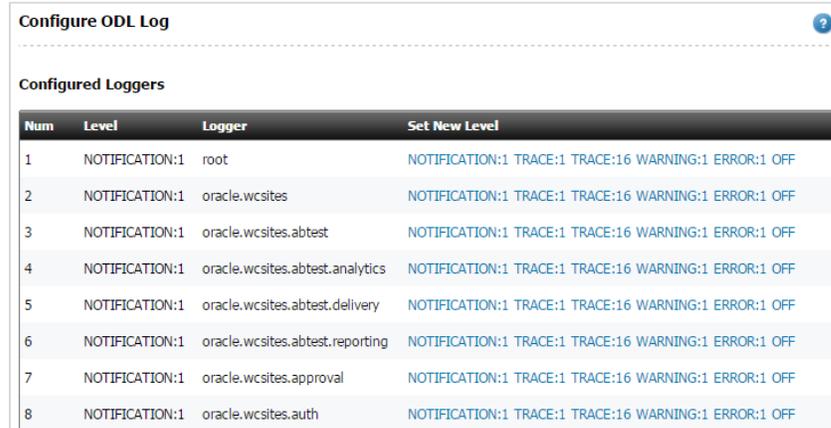
For increased security, WebCenter Sites now supports the Oracle Platform Security Services (OPSS) credential store. Communication with the credential store is encrypted (HTTPS) and each individual WebCenter Sites instance is uniquely authenticated.

You can find more about information about OPSS in [Oracle WebCenter Sites documentation](#).

## ODL log4j

The legacy log4j logging mechanism has been replaced with the more robust Oracle Diagnostic Logging solution.

You can find more about information about ODL log4j in [Oracle WebCenter Sites documentation](#).



The screenshot shows the 'Configure ODL Log' page with a table of configured loggers. The table has four columns: Num, Level, Logger, and Set New Level. There are 8 rows of loggers listed.

Num	Level	Logger	Set New Level
1	NOTIFICATION:1	root	NOTIFICATION:1 TRACE:1 TRACE:16 WARNING:1 ERROR:1 OFF
2	NOTIFICATION:1	oracle.wcsites	NOTIFICATION:1 TRACE:1 TRACE:16 WARNING:1 ERROR:1 OFF
3	NOTIFICATION:1	oracle.wcsites.abtest	NOTIFICATION:1 TRACE:1 TRACE:16 WARNING:1 ERROR:1 OFF
4	NOTIFICATION:1	oracle.wcsites.abtest.analytics	NOTIFICATION:1 TRACE:1 TRACE:16 WARNING:1 ERROR:1 OFF
5	NOTIFICATION:1	oracle.wcsites.abtest.delivery	NOTIFICATION:1 TRACE:1 TRACE:16 WARNING:1 ERROR:1 OFF
6	NOTIFICATION:1	oracle.wcsites.abtest.reporting	NOTIFICATION:1 TRACE:1 TRACE:16 WARNING:1 ERROR:1 OFF
7	NOTIFICATION:1	oracle.wcsites.approval	NOTIFICATION:1 TRACE:1 TRACE:16 WARNING:1 ERROR:1 OFF
8	NOTIFICATION:1	oracle.wcsites.auth	NOTIFICATION:1 TRACE:1 TRACE:16 WARNING:1 ERROR:1 OFF

Figure 10 shows the ODL administration page.

## XMLPost CLI Support

The XMLPost utility now accepts user credentials as arguments in the command line instead of reading them from its .ini file.

## IPv6 Support

WebCenter Sites and its component applications now support the IPv6 protocol, including hybrid IPv6/IPv4 operation.



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