CentraSite 10.2 Readme

April 2018

This is an innovation release. Innovation releases have a much shorter support cycle than standard releases. To learn more, please visit **http://empower.softwareag.com/innovationrelease/**.

This file contains important information you must read before using CentraSite 10.2. You can find system requirements, user documentation, and installation and upgrade instructions on the Documentation website or the TECHcommunity website. At those locations, you can also find suite-related security and globalization information.

Included in this file is information about functionality that has been added, removed, deprecated, or changed for this product. Deprecated functionality continues to work and is supported by Software AG, but may be removed in a future release. Software AG recommends against using deprecated functionality in new projects.

1.0   Critical Information

This section lists any critical issues for the current release that were known when this readme was published. For critical information found later, go to the Knowledge Center on the [Empower website](#).

2.0   Known Issues

This section lists any issues for the current release that were known when this readme was published. For known issues found later, go to the Knowledge Center on the [Empower website](#).

- INM-19625
  SOAP API configured with "Enable REST support" policy action shows invalid endpoint in API Portal Try-Out page.
  When a SOAP API configured with the "Enable REST support" policy action is published to API Portal, one invalid endpoint is added to the list of possible valid endpoints in the API Portal Try-Out page. However, the invalid endpoint has no functionality impact.
  There is no workaround for this issue.

- INM-19867
  Graphical asset navigator charts are not saved in Internet Explorer.
  When CentraSite Business UI is accessed via Internet Explorer, if attempts are made to save the graphical representation of relationships between assets by way of any one of the Asset Navigator charts, for example, TreeChart, SunBurst, Icicle, and GraphChart, CentraSite does not save the graphical chart as an image (.png, .jpg, .bmp or .gif) file.
  To work around this issue, right-click on the required chart, and then select the "Save picture as..." option from the context menu.

- INM-16782
  Potential conflicts between predefined profiles and user-defined profiles.
  In the user interface, the sequence number plays a vital role in the profile display order and the instance level profile permission. In general, the sequence numbers assigned to the predefined profiles and computed profiles are odd numbers and even numbers are assigned to the user-defined profiles. However, some predefined profiles are designated with an even sequence number. When a user creates a new profile, consider the system assigns an even sequence number that matches with one of the predefined profiles. When the user sets the profile-level permissions for the new profile, the same permissions are also assigned to the predefined profile that has the same even sequence number within the asset type. As a result, the user might get permissions to more profiles than intended.
  The following list shows some of the predefined profiles that have an even sequence number:
  - Identification
  - Summary
  - Technical Details
  - Default
  - Details
  - Specification

- Support

There is currently no workaround for this issue. However, Software AG strongly recommends that you create a new profile and delete the conflicting user-defined profile within the asset type. Additionally, if the predefined profiles "Runtime Events" and "Runtime Metrics" are missing due to a conflicting sequence number, execute the Java tool named FixProfileSequenceNumber.jar in the command line interface CentraSiteToolbox.cmd (Windows) or CentraSiteToolbox.sh (UNIX) of CentraSite, to fix the sequence number issue.

The syntax is of the format:

C:\SoftwareAG\CentraSite\utilities>CentraSiteToolbox.cmd FixProfileSequenceNumber.jar <CentraSite URL> <admin user id> <password>

Example:

C:\SoftwareAG\CentraSite\utilities>CentraSiteToolbox.cmd FixProfileSequenceNumber.jar http://localhost:53307 Administrator manage

3.0   Usage Notes

This section provides any additional information you need to work with the current release of this product.

- The Impact Analysis feature of CentraSite Control which was already deprecated in version 9.9 will not work in Microsoft Edge browser.

- Performance profile of a Virtual Service asset in CentraSite Control will not work in Microsoft Edge browser.

- INM-17284
  Unable to renew expired API keys in CentraSite.
  In CentraSite, it is not possible to renew an API key that has expired. Therefore, it is necessary to renew the API key before it expires.
  To work around this issue, request a new key for consuming the API whose key has expired. You also need to update the applications of that particular API to use the new API key.

- PIE-33367
  IS assets cannot be retracted from CentraSite after migrating Integration Server to version 9.7 or later.
  After migrating Integration Server to version 9.7 or later, Integration Server cannot retract IS assets that were published to CentraSite by an earlier version of Integration Server.
  There is currently no workaround for this issue. If you encounter this situation, contact Software AG Global Support.

- CentraSite and webMethods API Portal Product Compatibility Matrix
  The following table provides information about compatibility and coexistence for products, CentraSite and webMethods API Portal:

API Portal / CentraSite	API Portal 9.8	API Portal 9.9	API Portal 9.10	API Portal 9.12	API Portal 10.0	API Portal 10.1	API Portal 10.2
CentraSite 9.8	Not Supported	Supported	Supported	Supported	Supported	Supported	Supported
CentraSite 9.9	Not Supported	Supported	Supported	Supported	Supported	Supported	Supported
CentraSite 9.10	Not Supported	Supported	Supported	Supported	Supported	Supported	Supported
CentraSite 9.12	Not Supported	Supported	Supported	Supported	Supported	Supported	Supported
CentraSite 10.0	Not Supported	Supported	Supported	Supported	Supported	Supported	Supported
CentraSite 10.1	Not Supported	Supported	Supported	Supported	Supported	Supported	Supported
CentraSite 10.2	Not Supported	Supported	Supported	Supported	Supported	Supported	Supported

- API Portal instances must be republished right after upgrading CentraSite to versions 9.9 and later. After upgrading CentraSite and webMethods API Portal to versions 9.9 and later, you must republish all of the API Portal instances that were created in earlier versions of CentraSite before executing publish or unpublish actions on APIs.

- If the machines support ONLY IPv4, *com.softwareag.centrasite.soalink.events.snmp.host* property in <SAG_Root>/CentraSite/cast/cswebapps/SOALinkSNMPEventsListener/WEB-INF/web.xml should point to the hostname of the machine. The default value works fine for dual IP stacks.

- INM-18818
  After upgrading to CentraSite 9.0 SP1 and later from an earlier version of CentraSite, the location of the WSDL and schema files imported in the new CentraSite installation point to a unique folder in WebDAV directory.
  Prior to CentraSite 9.0 SP1, the location of WSDL and schema files was defined by the targetNamespace of the file.
  For example:
  …/ino:dav/ino:dav/projects/WSDL/<Target Namespace in WSDL>/uddi_<key>/<Name of WSDL>.wsdl
  This resulted in long file names and complex relative paths of the imported files in WebDAV.
  To address this issue, the location of newly imported WSDL and schema files is redefined by the unique folder in WebDAV directory.
  For example:
  …/ino:dav/ino:dav/projects/WSDL/uddi_<key>/<Name of WSDL>.wsdl
  However, the WSDL and schema files imported with previous versions of CentraSite and transferred to CentraSite 9.0 SP1 and later will continue to include the targetNamespace of the file.

- INM-17023

  Importing older versions of predefined asset types is no longer allowed.

  Importing predefined asset types is no longer possible if the asset type is exported from a CentraSite installation prior to 9.6. For example, a predefined asset type from version 8.2 cannot be imported to CentraSite 9.8.

  You can, however, import asset instances of older versions if the predefined asset type definition in the export archive matches with the existing asset type definition in the version 9.8 registry.

- INM-17243

  NTLM Transparent Mode with Kerberos Authentication Support.

  When a virtual service is configured for NTLM authentication scheme in transparent mode, Mediator behaves in "pass by" mode, allowing an NTLM handshake to occur between the client and server. This kind of NTLM handshake becomes unreliable on certain circumstances. Mediator now supports Kerberos handshake in Transparent mode. If you choose to use the NTLM Transparent mode with Kerberos authentication, set the value of the watt.pg.disableNtlmAuthHandler property to "true" in the extended settings for the Integration Server. For information about the watt.pg.disableNtlmAuthHandler property, see *Administering webMethods Mediator* (version 9.8). For more information about working with extended configuration settings, see the *webMethods Integration Server Administrator's Guide*.

- CentraSite does not support overinstall since version 9.7.

  CentraSite does not support overinstallation in versions 9.7 and later. This means that there is no overinstallation procedure for CentraSite. Instead, if you are upgrading to CentraSite 9.9 from an earlier version of CentraSite, you must use the side-by-side (SBS) installation. For detailed upgrade instruction, see *Upgrading webMethods and Intelligent Business Operations Products*.

- Upgrade procedure does not update custom SSL client configurations.

  If you perform an upgrade from CentraSite version 9.x to versions 9.9 and later, the upgrade does not automatically upgrade your custom SSL configurations for communication between clients and the CentraSite Registry Repository. As a result, some of your existing CentraSite 9.x custom configurations might not be valid for CentraSite versions 9.9 and later.

  Therefore, you need to adjust your custom SSL configurations after upgrading to CentraSite versions 9.9 and later. For detailed information about setting SSL configurations, see the *CentraSite Administrator's Guide*.

- CentraSite does not retrieve the runtime policy information of an API published to API Gateway.

  Beginning with version 10.1, CentraSite supports publishing of APIs to API Gateway. When an API is published from CentraSite to API Gateway, the policy information for the API is updated in API Gateway. However, CentraSite is unable to retrieve the last policy information from API Gateway when the API is published to API Portal.

4.0   Fixes Included in Each Release

This section lists the latest fix level that has been included in each release for each product component. A release is listed in this section only if changes occurred in that release. Go to the Knowledge Center

on the [Empower website](#) for detailed information about fixes.

Release 10.1

- INM_10.1_Fix5

Release 10.0

- INM_10.0_Fix3

Release 9.12

- INM_9.12_Fix19

Release 9.10

- INM_9.10_Fix20

Release 9.9

- INM_9.9_Fix26

Release 9.8

- INM_9.8_Fix30

5.0   Other Resolved Issues

This section lists the issues that were resolved in each release but were not part of the fixes listed in the previous section. A release is listed in this section only if changes occurred in that release.

Release 10.1

- INM-22720
  User-specified asset name for a REST service import is not considered.
  In CentraSite Business UI, when you create a REST service using the file-based import and specify an asset name, the specified asset name is ignored and the name from the input file is considered. This issue is resolved.

- INM-22723
  Token support required for substituting the consumed API name in the access token renewal and revocation emails.

When requesting for access tokens from CentraSite Business User Interface or from API Portal, the emails sent for access token renewal pending approvals and rejection, successful renewal, and successful revocation should have a provision to substitute the consumed API name. The token ${consumed.asset.name} can be used for this purpose.

This issue is resolved.

Release 10.0

- INM-22131

  During import and export of REST API using Swagger file, Swagger to CentraSite REST API mappings does not work as expected.

  The following Swagger to CentraSite REST API mapping issues occur when importing a REST API from Swagger specification file and exporting a REST API to Swagger specification file:

  - During import of a REST API, Swagger description of HTTP response is not mapped to the 'Description' field of HTTP Response for the REST API in CentraSite Business UI. Instead, the Swagger description of HTTP response is mapped to the 'Name' field of the HTTP Response.

  - During export of REST API (using the Download Documents Action), value specified for the 'Description' field of HTTP response for the REST API in CentraSite Business UI is not mapped to the description of the exported Swagger file.

  These issues are resolved. The Swagger to CentraSite REST API mappings are now working as expected.

Release 9.12

- INM-21302

  The OAuth check box can be cleared from a virtual service when the virtual service contains OAuth consumers.

  In CentraSite Business UI, the OAuth check box can be cleared from a virtual service's API Consumption Settings when the virtual service contains OAuth consumers. Due to this, when the virtual service is republished to Mediator, the OAuth clients are still created in Mediator, even though the virtual service doesn't contain the OAuth policy.

  This issue is resolved. User cannot clear the OAuth check box from the API Consumption Settings of a virtual service, unless all the OAuth consumers associated the virtual service are deleted.

- INM-20852

  Mediator is unable to invoke the target REST service.

  When dynamic routing is configured for a REST service, deployment of REST service with multiple resources fails. Also, the invocation of REST service is only possible through one method.

  These issues are resolved.

- INM-21270

  Expired APIKeys are displayed in Mediator.

  When a virtual services' API key expires, the API Key for that virtual service is removed from CentraSite Business UI, however, the expired API key for a service is displayed in Mediator.

  This issue is resolved.

- INM-21293
Incorrect VSD is published to Mediator when multiple evaluate policies is configured with OR condition in CentraSite.
When multiple evaluate policies are configured with OR condition for a virtual service, the VSD published from CentraSite to Mediator is incorrect.
This issue is resolved.

Release 9.10

- INM-20399
CentraSite Fix Installation does not support working in distributed environments.
CentraSite Application Server Tier (CAST) and CentraSite Registry Repository (CRR) can be installed at different location or on different machines. However, CentraSite Fix Installation does not support working in distributed environments.
This issue is resolved. The CentraSite Core Fix now updates the CAST location. The CentraSite Server Common Fix, which is introduced in this fix, and the platform dependent CentraSite Server Fixes update the CRR location.

- INM-20447
Reporting in CentraSite Business UI using CentraSite XQuery and XML Data Source Connections results in an exception.
In CentraSite Business UI, if you are using CentraSite XQuery and XML Data Source Connections to query the CentraSite database and generate reports, reporting fails with the following exception: "Cannot find or process the ODA data source extension configuration".
This issue is resolved.

- INM-20486
In CentraSite Business UI, publishing a virtual service to WebMethods Mediator fails with an exception when the logged-in user password contains unusual characters.
When publishing a virtual service from CentraSite Business UI to WebMethods Mediator, if the logged-in user password contains unusual characters, for example, the Euro (€) character, publish operation fails with an exception.
This issue is resolved.

Release 9.9

- INM-17944

  Automatic user login configuration permits users to access CentraSite Business UI without supplying their login credentials.

  When the automatic user login configuration <LoginPage loginAsGuest="true"> is enabled in CentraSite Business UI using the configuration file centrasite.xml, CentraSite allows users to bypass the Log In page and directly access the Welcome page of Business UI. The auto-login configuration prevents the users from supplying their login credentials.

  This issue is resolved.

- INM-18551

  CentraSite does not support assigning APIs to communities.

  When attempting to publish an API to webMethods API Portal 9.8, CentraSite Business UI does not display the list of communities. As a result, the API cannot be assigned to any of the communities. However, CentraSite assigns the API to Public Community, by default.

  This issue is resolved.

- INM-18532

  Mediator gateways cannot be edited after migrating CentraSite to version 9.8.

  After migrating CentraSite from previous versions to version 9.8, the Mediator targets created with previous versions of CentraSite and transferred to CentraSite 9.8 as Mediator gateways throw error on editing.

  This issue is resolved.

- INM-18310

  Asset name is not displayed in the CentraSite Business UI.

  Asset name is not displayed in the CentraSite Business UI. This issue occurs when the default locale is not set to English (United States), and the user logs into CentraSite for the first time through the Business UI.

  This issue is resolved.

- INM-18532

  Some services cannot be virtualized after migrating CentraSite to version 9.8.

  After migrating CentraSite from previous versions to version 9.8, some of the services created with previous versions of CentraSite and transferred to CentraSite 9.8 cannot be virtualized.

  This issue is resolved.

Release 9.8

- INM-18221

  Executing the API Consumption Settings from details page of a virtual API fails with an error.

  When you try to execute the API Consumption Settings action from details page of any virtual API, execution fails with the INMCLE0120 error. For example:

  "Failed to choose assets for ActivateAPIKey"

  The error occurs because the validation of the API consumption settings fails.

This issue is resolved.

- INM-18216
  When publishing IS REST APIs to CentraSite, Base URL and Resource Path are not updated with the correct paths.
  When publishing REST APIs from Integration Server to CentraSite using Designer, the values for Base URL and Resource Path are not updated as expected in the CentraSite Business UI. For example, consider a REST API http://my-server/rest/apiportal/api/books. Currently, the Base URL field displays http://my-server/rest/apiportal.api.books, and the Resource Path field displays /apiportal.api.books. This issue occurs because the Base URL field includes a suffix that denotes the resource path, and the Resource Path field includes a suffix that denotes the resource folder structure of the API.
  This issue is resolved. After publishing, Base URL and Resource Path now point to the correct paths. Valid values for these attributes include the following:
  - Base URL
  http://my-server/rest/apiportal/api
  - Resource Path
  /books

- INM-18256
  CentraSite does not honor the path parameters defined at REST API level or Method level in version 9.7.
  If path parameters are defined at the REST API level, Resource level, and Method level, CentraSite does not honor the path parameters at the API level and Method level, but only honors path parameters at the Resource level.
  This issue is resolved. CentraSite now allows you to define path parameters at the Resource level only.

- INM-18453
  CentraSite does not retain the default value for Boolean attribute in custom policy actions.
  If a Boolean attribute with value set to "false" (the default) is specified in the custom policy action, CentraSite ignores the value specified for that attribute. Instead, CentraSite sets the value of the Boolean attribute to "true".
  This issue is resolved.

- INM-18512
  Creation of new version of schema with Interactive resolution option fails.
  Using CentraSite to create a new version of schema with Interactive resolution of XSDs fails with an error.
  In some cases, CentraSite will not reuse the schemas which were independently versioned and uploaded to the repository. For example, consider a schema "Customer" referring to another schema "Address". When "Address" schema is first versioned and "Customer" schema is later versioned, CentraSite will not reuse the already versioned "Address" schema. Instead, CentraSite creates a new version of the existing "Address" schema.
  As a best practice, you must version schemas from the top level. In this example, you must version "Customer" schema, and during the versioning, CentraSite will create a new version of the "Address" schema.

This issue is resolved.

- INM-18300
  Saving changes to Advanced Settings in asset type definition fails.
  Upon changing the asset type definition, for example, selecting the Visible in Search check box using the Edit Asset Type - Advanced Settings wizard, clicking the OK button fails to commit changes to the asset type.
  This issue is resolved.

6.0   Documentation Changes

This section describes significant changes to the documentation, such as the addition, relocation, or removal of product guides, online help, chapters, or other major content. A release is listed in this section only if changes occurred in that release.

Release 10.2

- The chapter "Lifecycle Management" in the CentraSite User's Guide has been updated to describe the newly introduced CRUD functionalities on lifecycle models and stages through CentraSite Business UI.

Release 10.1

- The chapter "Type Management" in the CentraSite User's Guide has been updated to include the newly introduced CRUD functionalities for managing asset types through CentraSite Business UI.

- A new chapter "CentraSite and API Gateway Integration", which describes how the Virtual Service assets and their associated runtime components defined and published from CentraSite Business UI are mapped into API Gateway, has been added to the CentraSite User's Guide.

Release 10.0

- Beginning with version 10.0, CentraSite's old set of documentation is replaced with the following PDF deliverables on the Documentation website:
  - CentraSite Administrator's Guide: This guide describes the various configurations required for the proper functioning of CentraSite and the administration-level tasks that you can perform in the CentraSite environment.
  - CentraSite User's Guide: This guide describes how to use CentraSite once it is installed and configured in your environment. It describes various CentraSite features and how these features can be used.
  - CentraSite Developer's Guide: This guide describes how you can use programming interfaces to access and modify the CentraSite Registry Repository. Additionally, it describes how you can

customize the CentraSite graphical user interfaces to suit the requirements or standards of your organization.

Release 9.12

- The Run-Time Governance with CentraSite Guide contains information on Axis free mediation of REST services.

- The Run-Time Governance with CentraSite Guide contains information on SAML.

- The Working with REST-based APIs Guide contains information on HTTP Patch support.

- The Run-Time Governance Guide and the Working with the CentraSite Business UI Guide contains information on Kerberos support.

- The CentraSite Users Guide contains information on granular permission to Report templates and JDBC support for reports.

Release 9.10

- The CentraSite Business UI Guide includes a new chapter called "OData Service Management". This chapter provides conceptual information on the OData Entity Data Model (EDM), and the procedures for creating and managing OData services using the CentraSite Business UI.

- The chapter "Taxonomies" in the CentraSite Administrator's Guide has been updated to include the enhanced CRUD functionalities for Taxonomies using the CentraSite Business UI.

Release 9.9

- The CentraSite Administrator's Guide includes a new chapter called "Usage of the CentraSite Command Tools". This chapter provides usage information for the various CentraSite Command line utilities.

- The Run-Time Governance with CentraSite guide contains the following new chapters:
  - "Consumer Applications" - This chapter provides information about creating and managing run-consumer applications using CentraSite Control and Business User Interfaces.
  - "Consumer Registrations"- This chapter provides information about providing users and any arbitrary assets the ability to consume other assets in CentraSite.

- The chapter "Working with Reports and Report Templates" in the CentraSite User's Guide has been updated to include the enhanced reporting functionalities of CentraSite Business UI.

Release 9.8

- Software AG documentation is no longer available on the Software AG installer. You can access all Software AG documentation on the [Documentation website](#).

- A new chapter "Importing a RESTful API" has been added to the Working with REST-based APIs guide.

- The chapter "Modelling a RESTful API" has been renamed to "Creating a RESTful API from Scratch" in the Working with REST-based APIs guide.

7.0　Terminology Changes

A release is listed in this section only if changes occurred in that release.

Release 9.9

Old Term	New Term
Impact Analysis	Asset Navigator

Release 9.8

Old Term	New Term
Targets	Gateways

8.0　Added, Removed, Deprecated, or Changed Items

This section lists functionality, controls, portlets, properties, or other items that have been added, removed, deprecated, or changed. A release is listed in this section only if changes occurred in that release.

Release 10.2

Added Item	Replacement, if any
Lifecycle management in Business UI	Beginning with version 10.2, CentraSite Business UI supports the lifecycle management. You can now use CentraSite Business UI to create and manage lifecycle models and stages in CentraSite.

Deprecated Item	Replacement, if any
CentraSite Control UI (Pluggable UI)	CentraSite Control UI is deprecated and will be removed in future releases. Instead, use CentraSite Business UI for managing and integrating the SOA governance processes.

Release 10.1

Added Item	Replacement, if any
Asset type management in Business UI	Beginning with version 10.1, CentraSite Business UI supports asset type management. You can now use CentraSite Business UI to create and manage asset types in CentraSite.
Design time policy actions	CentraSite Command Line Interface (CLI) offers new commands for design-time policy management. You can now use the CentraSite command tools to create and manage design-time policy actions in CentraSite. You can create the design-time policy action skeleton as an Eclipse project, upload, delete, download, and list the available policy actions in CentraSite. You do not need to suspend a policy before making any changes to its action parameters.
Consumers synchronization	CentraSite Business UI supports synchronizing of global consumers with one or more Mediator gateways.
LDAP user synchronization	CentraSite Business UI supports synchronizing of user attributes from an active LDAP directory for the ease of user management. CentraSite introduces a new command tool "sync LDAP Group" to synchronize the group attributes along with its user attributes in LDAP.
Introduction to API Gateway asset	CentraSite offers a new gateway type "API Gateway" to publish and unpublish APIs from CentraSite to API Gateway.

Deprecated Item	Replacement, if any
Type management in Control UI	Beginning with version 10.1, Type management in CentraSite Control UI is deprecated and will be removed in future releases. Instead, use Asset Type management in CentraSite Business UI to create and manage asset types in CentraSite.

Removed Item	Replacement, if any
Runtime policy management	You cannot manage the runtime policy actions of an API that is published to API Gateway through CentraSite Business UI. Instead, you must manage the API's policy actions through API Gateway. However, CentraSite introduces a new link "View Runtime Enforcements" to view the runtime policy actions for the API in API gateway for a holistic view.

Release 10.0

Added Item	Replacement, if any
API Portal publish enhancement	You can now publish the versioned APIs to API Portal. When versioning an API, the access tokens associated to the old version of the API are cloned and associated to the new version of the API. Each cloned access token has its own expiration time within the API. When publishing the old version of the API to API Portal, CentraSite automatically associates and publishes the new version of the API to API Portal.
Reporting enhancements	CentraSite now supports RDBMS as data source for runtime events and metrics. With this feature it is not required that the Mediator events and metrics should be sent to CentraSite to generate reports.

Removed Item	Replacement, if any
Federation	The UDDI-based federation which provides the functionality to federate data between two UDDI v3 compliant registries has been removed from the product. There is no replacement for the UDDI federation.
SSXLoginModule	CentraSite no longer supports the SSXLoginModule. This implies that the CentraSiteCommands related to SSX are no longer supported.

Release 9.12

Added Item	Replacement, if any
HTTP PATCH support	CentraSite supports HTTP PATCH for native and virtualized REST services.
JDBC support	CentraSite reporting framework supports JDBC as one of the data source.
Report template permission	CentraSite supports fine grained permission model for Report templates.

Removed Item	Replacement, if any
XTS support removal	CentraSite used to use XTS for replication. This has been dropped in this release to simplify the deployment. This means customers do not have to open the XTS port in firewall.
53305 port	CentraSite will no longer use the port number 53305 but instead the port number 53307.

Release 9.10

Added Item	Description
Taxonomy management	CentraSite supports creating and managing taxonomies using the CentraSite Business UI. The same is deprecated in CentraSite Control UI.
LDAP validation service	CentraSite now supports validation of the LDAP authentication configuration at each step in the configuration process.
OData support	CentraSite now provides Open Data Protocol (OData) service management. CentraSite Business UI enables the creation of HTTP-based OData services, which allow resources to be identified using Uniform Resource Identifiers (URIs), and the virtualization of OData services. However, an instance of Virtual OData service can be published to the webMethods Mediator gateway only after applying the XB_9.10_Fix1.
New action added to the CentraSite Business UI	This release introduces a new action, "Notify Consumer" that you can use to send ad hoc e-mail notifications to all registered consumers of a particular API.

Added Item	Description
Enhancements to CentraSiteCommand	CentraSiteCommand line tool has been enhanced to include the following functionalities: 1. The following two CentraSite Commands are introduced to allow access token management using the command line interface: - restore accesstokens - purge accesstokens 2. Report management using the command line interface has been improved to include additional commands for execution of the CRUD operations on reports.
Pluggable actions for CentraSite Business UI	In addition to the preconfigured set of actions, users now have the option to plug-in their own custom action implementations. The custom-created actions allow users to extend the product functionality. The following rendering mechanisms are supported for any custom action: - WithUiRendering - WithoutUiRendering
Access token enhancements	The following changes were made to improve the access token management using the CentraSite Business UI: - Access token configuration screens have been improved to display a warning message because there is a possibility that changing the configuration of an API could invalidate the user access tokens. This improvisation ultimately offers a better user experience. - The configuration screen for policy actions, for example, Throttling Traffic Optimization, has been simplified to display only the access tokens created for a particular API as the possible list of consumers during the virtualization process. This simplified user interface prevents users from choosing an unknown consumer accidentally. - Previously, when an API is unpublished from webMethods API Portal, access tokens associated with API were deleted from the API Portal registry. Upon republishing, only the API was published to API Portal. Now, republishing the API also publishes the associated access tokens to API Portal.

Added Item	Description
Swagger enhancements	A new policy action, "Generate Swagger2.0 file", has been introduced to export a REST API or a Virtual REST API in Swagger format. This policy action applies to the following set of events: - Post-Create - Post-Update - Post-State Change - OnTrigger
Handling of CentraSite logs	CentraSite logs have been separated from the logging containers and placed inside a dedicated log file called centrasite.log. This log file is available in the <Software AG_directory>/profiles/CTP/configuration directory where wrapper.log is available.

Deprecated Item	Replacement, if any
Taxonomy management in Control	Beginning with version 9.10, CentraSite does not support creating and managing taxonomies using the Control UI. Instead, CentraSite supports creating and managing taxonomies using the CentraSite Business UI.

Release 9.9

Added Item	Description
Pending approval enhancement	Now, an Administrator can override pending approval. This will be very useful if the approval is stuck for various reasons like user unavailability.
OAuth client revocation	CentraSite Business UI supports revocation of OAuth clients.
Support for Insight gateway	Beginning with CentraSite version 9.9, Insight gateway is supported out of the box.
Virtualization enhancements	Beginning with CentraSite version 9.9, a Virtual service can be re-virtualized. This helps users to quickly change the policy actions instead of navigating back to Native service. If the native REST service undergoes any change, say a new Resource is added, re-virtualization from native service allows users to take advantage of the new additions without versioning the virtual service.
Report Scheduling	Users can schedule the Report execution. The report will be sent to the registered e-mail address as an attachment.

Removed Item	Replacement, if any
CentraSite report execution from CentraSite Control and Designer	The execution of reports will no longer be possible neither from CentraSite Control nor from the Designer's 'CentraSite Search and Browse' perspective. This will be possible only from CentraSite Business UI.

Deprecated Item	Replacement, if any
Impact Analysis	For use case except the generic traversal, Asset Navigator is preferred.

Release 9.8

Added Item	Description
New concept "Gateway"	Beginning with CentraSite 9.8, both API Portal and Mediators are grouped under the concept "Gateway".

Added Item	Description
Predefined roles for managing gateways and publishing APIs	This release introduces the following predefined roles: - Mediator Administrator - API Portal Administrator - Mediator Publisher - API Portal Publisher To manage a Mediator gateway, you must belong to the "Mediator Administrator" role or have the "Full" instance-level permission on the Mediator instance itself. To manage an API Portal gateway, you must belong to the "API Portal Administrator" role or have the "Full" instance-level permission on the API Portal instance itself. To publish API to a Mediator gateway, you must have the "Mediator Publisher" role for the organization to which the Mediator instance belongs, or have the "Edit" instance-level permission on the Mediator instance itself. To publish API to an API Portal gateway, you must have the "API Portal Publisher" role for the organization to which the API Portal instance belongs, or have the "Edit" instance-level permission on the API Portal instance itself. After migrating CentraSite from previous versions to version 9.8, users who have the "Operations Administrator" role to create Mediator targets in previous versions of CentraSite will automatically get the "Mediator Administrator" role. After migrating CentraSite from previous versions to version 9.8, users who have the "API Portal Administrator" role to manage API Portal instances and publish APIs to the API Portal instances in previous versions of CentraSite will automatically get the "API Portal Publisher" role. For more information about roles, see *Getting Started with CentraSite*.

Added Item	Description
New Asset Details layout	CentraSite Business UI offers an enhanced profile layout that provides easier access to the details of the individual profiles of APIs and other assets. The enhanced profile layout provides a split view representation of the profile details for an individual object and includes a navigation panel and a content panel. The layout maintains a list of all of the profile names on the navigation panel and displays the details for the selected profile on the content panel. For complete information, see *Working with the CentraSite Business UI*.
Importing Archived Assets	CentraSite Business UI provides the Import Archive functionality to import an asset by importing the archive file (zip file) to which the asset was previously exported. The Import Archive functionality offers the same import preview and options that are provided by CentraSite Control. For more information about using this functionality, see *Working with the CentraSite Business UI*.
Importers for RAML and Swagger	In CentraSite 9.8, the existing REST data model interface is enhanced to support direct importing of REST APIs described in the RAML and Swagger API documentation formats. The CentraSite Business UI introduces a new field called "Import from a Specification File" that takes in the specification file of a RAML - version 0.8 or Swagger - version 2.0 format as the input, and then creates a REST Service asset that best describes the REST API with RAML or Swagger specification. For complete information, see *Working with REST-based APIs*.
Scheduled Report Execution	CentraSite provides default reports that API Portal consumers can use to monitor their API usage over a specific period. You can schedule these reports on a regular basis (daily, weekly, monthly) to automatically generate and distribute reports as an email attachment, in PDF format, to the consumer at the email address provided at registration. The consumer clicks the attachment to access the API usage metrics.
Easy navigation between Native Service and Virtual Service	Beginning with version 9.8, CentraSite Business UI provides a link that enables you to easily navigate from the virtual service details page to the corresponding native service details page in the user interface.

Added Item	Description
Robust access token management between CentraSite and API Portal	CentraSite supports configurable retry mechanism that ensures the delivery of messages from CentraSite to API Portal, and protects requests from transient failures that might occur while sending messages from CentraSite to API Portal. If access tokens are not delivered during the retry attempts, the undelivered tokens are flagged and persisted in the database. At a later time, these undelivered tokens can be viewed using the predefined "GetUndeliveredAccessTokens" portlet, which is introduced in this release. CentraSite uses a scheduler to automatically pick up the undelivered tokens, and resend them to the API Portals. For complete information about this mechanism, see *Working with the CentraSite Business UI.*
Merged Publish and Unpublish actions for Mediator and API Portal.	Prior to CentraSite 9.8, you publish and unpublish APIs to and from Mediator and API Portal instances, in sequence, using the following four distinct actions: - Publish - Publish to API Portal - Unpublish - Unpublish from API Portal In CentraSite 9.8, the above actions are replaced by two actions - Publish and Unpublish, which allow you to publish and unpublish APIs to and from Mediator and API Portal instances, simultaneously. These actions are also introduced in the Search Results page for performing bulk publish and unpublish of APIs. For more information about using these actions, see *Run-Time Governance with CentraSite.*
CentraSite Control supports IE standard mode	In previous versions, CentraSite Control used Quirks mode to render the content properly. CentraSite Control now supports standard mode in IE 11 and above.

Added Item	Description
Target Management in CentraSite Control	Beginning with version 9.8, CentraSite Control does not support creation of Mediator and Insight targets. This means that there is no option for creating targets using the "Add Target" wizard in CentraSite Control. However, if you have targets created with the previous versions or using the current version of CentraSite Business UI, you will be able to view the list of targets in the Targets page, and deploy services to the targets using the Deployment page. You cannot edit or delete these targets using the CentraSite Control user interface (even if you belong to the CentraSite Administrator role). Going forward, you must use the CentraSite Business UI to create and manage targets (now called gateways). For complete information, see *Run-Time Governance with CentraSite.*
Policy Actions using Groovy Support for policy actions written in Groovy (a scripting language) is removed. Going forward, CentraSite will cease support for any Groovy action.	None.
The following ESB (Enterprise Service Bus) types that appear in the Type Management page of CentraSite Control are removed. ▪ ESB Document ▪ ESB Document Field ▪ ESB Document Type ▪ ESB Folder ▪ ESB Package ▪ ESB Service ▪ ESB Specification ▪ ESB WS Descriptor ▪ ESB WS Operation	None.

Deprecated Item	Replacement, if any
Legacy Asset Details layout	The legacy asset details layout in CentraSite Business UI has been deprecated. The legacy layout is replaced with an enhanced profile layout which provides a split view representation of the profile details for an asset and includes a navigation panel and a content panel. The layout maintains a list of all of the profile names on the navigation panel and displays the details for the selected profile on the content panel. For complete information, see *Working with the CentraSite Business UI*.
Run-time functionalities in CentraSite Control	Beginning with CentraSite 9.8, the support for various run-time functionalities which include Virtualization of Services, Definition of Targets, Run-time Policies, Deployment Operations in CentraSite Control is deprecated and will be removed in future releases.

9.0 Copyright Information

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