SDL Tridion 2013 Release Notes

Content Management Technologies Division of SDL

SDL Tridion 2013 Release Notes

Table of contents

About the release notes

The Release Notes describe what is new and what has changed in the product compared to the previous version, which issues remain open and which issues have been resolved.

The Release Notes also describe what is new and what has changed in each previous release of SDL Tridion from which you can upgrade to the current release.

Versions from which you can upgrade

You can upgrade to the current version of SDL Tridion from the following versions:

- SDL Tridion 2011 SP1, Hotfix Release 1 (possibly with User Interface Update for SDL Tridion 2011 SP1 installed)
- SDL Tridion 2011 SP1
- SDL Tridion 2009 SP1

Audience Manager is fully-integrated in SDL Tridion. You can upgrade to the current version from the following versions:

- Audience Manager and Outbound E-mail 2011 SP1
- Audience Manager and Outbound E-mail 2009 SP1

Translation Manager is fully-integrated in SDL Tridion. You can upgrade to the current version from the following versions:

- Translation Manager 2.0 SP2
- Translation Manager 2.0 SP1
- Translation Manager 2.0

Chapter 1 What's new in SDL Tridion

This section provides an overview of features and functionality introduced or changed between version SDL Tridion 2009 SP1 and version SDL Tridion 2013.

1.1 What's new in this release

This section describes functionality introduced or changed in SDL Tridion 2013.

Device Preview

Device Preview allows you to preview and edit content in Experience Manager as it is displayed in a handheld device such as a mobile, smartphone, or tablet. Device Preview, released previously as a separate product called *Device Emulator for SDL Tridion 2011 SP1*, has been fully integrated into the SDL Tridion platform.

SDL Safeguard

Safeguard allows you to analyze a Web page in Experience Manager to ensure consistency with branding and standards guidelines. Safeguard has become available as part of the SDL Tridion platform.

User interface

The *user interface update for SDL Tridion 2011 SP1*—a new user interface to replace SDL SiteEdit, a product released as a separate add-on product for the platform—has been fully integrated into the SDL Tridion platform and has been renamed Experience Manager .

Workflow in Message Center

In Content Manager Explorer, the contents of the **My Tasks** node in the **Shortcuts** area have moved to your Message Center at the top right of your screen. The only **My Tasks** node that remains in the **Shortcuts** area is **Checked-out Items**.

Workflow

- A new implementation of Workflow brings an end to the one-on-one relationship between Workflow Activities on the one hand, and items in workflow on the other hand. Instead, an Activity can apply to one item, multiple items, or no items at all.
- Automatic Activities are now coded in C# and can reference .NET assemblies.

Bundles

Bundles are new items in SDL Tridion 2013. A Bundle is a container for grouping content items from one Publication in Content Manager so that you can apply workflow to these items or export or import them as a set.

Publish transaction information available from templating code

From your compound templating code, you can now access information about the current publish transaction, including which user initiated the transaction and the priority of the publish transaction.

Support for multiple operations in TOM.NET and Core Service

The Content Manager APIs now let you perform multiple operations, that is, a single operation applied to a number of items at the same time. Refer to the API reference documentation for more information.

Undo publishing

The Content Manager APIs now enable you to undo a publish transaction. The functionality is intended for use in Automatic Activities in Workflow Process Definitions and requires configuration on the Content Delivery side.

Personal information center

Experience Manager and Content Manager Explorer user interfaces now show user information, notifications, and Workflow tasks in a personal information center.

New Template Building Block type: XSLT template

In addition to the existing types that Template Building Blocks could have: C# fragment, .NET assembly, Compound Template, and Adobe Dreamweaver Template, there is now a new type of Template Building Block: XSLT template. This replaces the need for a separate XSLT Template.

External Content Library

The External Content Library is a module for exposing multimedia contained in an external system in SDL Tridion so that you can use the media in SDL Tridion-driven Web sites. External Content Library, previously released as part of SDL Tridion Connector for SDL Media Manager and SDL Tridion Connector for ADAM, has been fully integrated into the SDL Tridion platform. You expose media in external systems using the External Content Library API. The External Content Library is an API for developing Providers, Template Building Blocks and Event Handlers that communicate with an external system and expose the multimedia contained in the system in SDL Tridion.

1.2   What's new in the user interface update for SDL Tridion 2011 SP1

Compared to an instance of SDL Tridion 2011 SP1 with SiteEdit installed, the user interface update (now called Experience Manager) included a number of new features, including session preview, a Ribbon toolbar and a content library.

Session preview

3

The new session preview feature lets users see and preserve their modifications for the duration of a session, without having to republish content from the Content Manager (the 'publish cycle'). Only when the user commits the modifications, an actual republish occurs, and the modifications become visible to other users and visitors.

As a result, a typical user will no longer be prompted to publish content.

Content library

A Library panel was created that slides in from the left whenever you want to select, insert or create content. The Library support drag-and-drop interaction both from the Library to the Web page and from an external application into the Library (to upload new content).

Property boxes

All items on the Web page have a property box that shows the properties of the item in question, such as its last moment of modification, its Workflow state, the identity of its creator and so on. Moreover, the property box offers users easy access to the item's metadata, for editing.

Ribbon toolbar

A ribbon toolbar replaces the SiteEdit menu to ensure consistency with Content Manager Explorer.

Dashboard

A dashboard tab lets you configure the product without having to use configuration files.

Improved message center

The message center is now aligned with that of Content Manager Explorer, and no longer shows errors or warnings out of context.

1.3   What's new in SDL Tridion 2011 SP1

This section describes functionality introduced or changed in SDL Tridion 2011 SP1.

1.3.1   User-Generated Content (UGC)

User-Generated Content (UGC) is a Content Delivery module that allows you to manage comments and ratings on an SDL Tridion-managed Web site. The first version of UGC was delivered as an add-on for SDL Tridion 2011. As of SDL Tridion 2011 SP1, UGC is fully incorporated into SDL Tridion.

You can add Template Building Blocks to Templates to display comments and ratings on your Web site, as well as interfaces for Web site visitors to leave comments or submit ratings. You can also view, search, add, edit, moderate and remove comments and ratings.

1.3.2 Translation Manager

Translation Manager allows you to send content stored in the Content Manager of SDL Tridion for translation to a translation management system (World Server or SDL TMS). Translation Manager is now fully integrated into SDL Tridion suite. You install Translation Manager using the suite installer.

1.3.3 Changes to Content Manager

This topic describes what changed in the Content Manager in SDL Tridion 2011 SP1.

Changes to the TOM.NET API and Core Service API in SDL Tridion 2011 SP1

This topic lists the API changes introduced in SDL Tridion 2011 SP1 Content Manager.

Get properties for a specific set of items

SDL Tridion now lets you specify a set of unrelated IDs of repository-local objects (for example, the IDs of the Components contained in the Component Presentations on a Page), and retrieve those items' properties in a single call to TOM.NET or the Core Service. Refer to the TOM.NET and Core Service API reference documentation for details.

Quick access to `Description` property

The `Description` property (available for Schemas, Target Groups, Categories and Keywords) is now available through a direct call to `GetItems` or `GetListItems` if you set the `BaseColumns` property to the value `Extended`. Similar access is available from the Core Service. Refer to the TOM.NET and Core Service API reference documentation for details.

Get the ancestor organizational items for a Repository Local Object

The TOM.NET `RepositoryLocalObject` class now has two methods, `GetAncestors` and `GetListAncestors`, to retrieve all ancestor organizational items (parent, grandparent etc) for a Repository Local Object. Both methods take an object of type `OrganizationalItemsAncestorsFilter`.

For the Core Service, use the `GetList` and `GetListXml` methods of the `ICoreService` class, passing an `OrganizationalItemsAncestorsFilterData` object as a parameter.

1.3.4 Changes to Content Delivery—Server Roles

To simplify installation, in SDL Tridion 2011 SPI the various Content Delivery modules have been separated into Content Delivery *Server Roles*. A Server Role encapsulates the files and resources you need to install on a particular server to deploy and run a certain piece of Content Delivery functionality.

The following Server Roles were available in the SDL Tridion 2011 SP1 Installation media `Content Delivery\roles` directory:

API

For implementations that use the Content Delivery APIs, for example to dynamically query the Content Data Store, Dynamic Linking, Profiling & Personalization, and the Ambient Data Framework.

Cache Channel Service

For synchronizing caches on several machines (in a scaling scenario).

Content Deployer

For receiving and processing content published from the Content Manager, which it then passes on to the Storage Layer which stores it in the Content Data Store.

Monitoring

For monitoring whether other server roles are running.

User Generated Content (UGC)

For allow visitors to your Web site to rate your content and leave comments.

HTTP Upload

For publishing content over an HTTP or HTTPS transport protocol.

Content Delivery Web service

For enabling external parties to interact with your Content Data Store from other Web sites.

1.3.5 Changes to documentation

To be able to deliver updates in documentation, product documentation (APIs, PDFs, and the documentation portal) is now only available via online channels and is no longer delivered with the product. The `getDocumentation.htm` on the SDL Tridion installation media provides instructions on how you can access product documentation by going to SDL Tridion World.

The only documentation included on the installation media are these release notes (as a PDF document), the `NOTICE.pdf` listing third-party software included in the product, and the `getDocumentation.htm` Web page.

1.4   What's new in SDL Tridion 2011

This section describes functionality introduced or changed in SDL Tridion 2011.

1.4.1   Changes to Content Manager

This section describes what has changed in the Content Manager in SDL Tridion 2011.

The following changes were made in the Content Manager:

Note: Features that are deprecated may no longer be supported in the next non-Service Pack release.

New installer

SDL Tridion now ships with a single installer for all Content Manager server-side software components. The installer lets you select which features to install. You can also run an unattended install from the command line.

Full TOM.NET API

The VBScript/JScript-based TOM API is now deprecated and has been replaced by the TOM.NET API. The TOM.NET API now provides full read/write access to all Content Manager functionality, with the exception of Automated Workflow Activities which is not yet supported in TOM.NET. Use TOM.NET for all interaction with the Content Manager from your Templating code and from your Event Handler code.

For a detailed explanation of the difference between the old and new TOM.NET APIs, refer to the Core Service implementation topics for more information.

TOM.NET API changes

Compared to the 2009 SP1 TOM.NET API, the new TOM.NET API introduced in the 2011 release is different in the following ways:

Failed impersonation now throws exception

Previously, if a user who was not configured as an impersonation user tried to impersonate another user, the user would fall back to itself. As of the 2011 release, this scenario results in an exception being thrown.

XML validation

Earlier releases validated Tridion objects against the system schema, resulting in a single error code $0x80040327$ `(TcmErrorInvalidXML)` if validation went wrong. In the new release, old XML is converted to the SDL Tridion 2011 format using an XSLT stylesheet, deserialized and run against a number of business rules. As a result, both the error code returned will be different and the error message will be much more specific.

API delta

In addition, the TOM.NET API classes and methods that were already present in the 2009 and 2009 SP1 releases have changed. Refer to TOM.NET API delta compared to SDL Tridion 2009 (SP1) (see page 27) for details.

Core Service

The Business Connector extension point is now deprecated and has been replaced in SDL Tridion 2011 by the Core Service, a Web service that enables you to interact with the Content Manager core from any external application, whether written in Java or in .NET. Use the Core Service for all interaction with the Content Manager other than from Templating or Event Handler code.

Refer to the Core Service implementation topics for details.

.NET-based Event System

The TOM-based Event System is now deprecated and has been replaced by a new .NET-based Event System which allows for more fine-grained and more sophisticated event handling.

Refer to the Event System implementation topics for details.

Content Manager architecture

The Content Manager has been refactored and is now almost entirely built on .NET. The new architecture delivers better maintainability, extensibility and performance.

Lucene search engine

The existing Verity-based search engine has been dropped in favor of a new Lucene-based search engine.

New LDAP implementation

The news implementation of LDAP integration in the Content Manager involves the following changes:

- The ISAPI filter is no longer needed and therefore no longer configurable in the MMC Snap-in.
- It is now possible to configure multiple Directory Services. The default Directory Service (used as a fallback for unqualified users) is the first one configured.
- It is now possible to specify the domain separator character.
- Empty passwords are no longer supported
- An Active Directory can no longer be configured in the MMC Snap-in separately. To add an Active Directory, simply add a Directory Service, because the Content Manager considers them the same.
- There is also no longer an option to enable Directory Services; Directory Services are automatically enabled as soon as one or more are configured.

Changes in default Workflow Process Definitions

In previous releases of SDL Tridion, any new Publication you created included the default Workflow Process Definitions "Page Process" and "Component Process".

This is now no longer the case: new Publications do not get a default "Page Process" or "Component Process". In addition, both existing Publications and new Publications get a new default Process Definition called "Task Process".

Your existing Page Process or Component Process items that are already in use continue working, but if you are upgrading from a release that is earlier than SDL Tridion 2011, you still need to make a change to these default Process Definitions.

Existing Publications do not automatically get new Default Template items

As part of the deprecation of old VBScript/JScript templating in favor of new Compound Templating, new Publications created in the Content Manager no longer contain a Default Component Template, Default Page Template and Default Template Building Block, written in VBScript, in the `Building Blocks` folder. Instead, a new Publication contains a Folder `Building Blocks\Default Templates\`, containing a minimal set of the default modular templating items that SDL Tridion ships with.

For existing Publications, however, neither the Folder nor the items are added during upgrade. This is because such actions could create a conflict. As a result, if you intend to start using modular templating in a new Publication, you must first create these default items from Template Builder.

1.4.2   Changes to Content Manager Explorer

This section describes changes to the Content Manager Explorer interface in SDL Tridion 2011.

Cross-browser support

The Content Manager Explorer in SDL Tridion 2011 runs on Mozilla Firefox, Google Chrome and Apple Safari as well as Internet Explorer.

New interaction design

The user interface has been redesigned and has a new interaction model. For example, a Ribbon interface replaces toolbars and a more sophisticated Message Center replaces pop-ups used in the previous GUI which were considered intrusive.

Extensibility

The new Content Manager Explorer interface framework offers many ways to easily customize the Content Manager Explorer GUI such as adding controls and making the GUI interact with your own data using the Model framework.

1.4.3   Changes to Content Delivery

This section describes the changes to Content Delivery in SDL Tridion 2011.

Scalable deployment

This release introduces the ability to scale up your Content Deployer, enabling it to handle more throughput.

Content Delivery Web service

To enable you to share your published content with outside parties, Content Delivery now provides a Web service that lets your affiliates retrieve your published content from the Content Data Store.

Storage in multiple storage mediums

The Storage Layer replaces Broker bindings and home classes in SDL Tridion 2011. The Storage Layer lets you store content in multiple databases, file systems, in a custom storage medium, or in a combination of these.

More metadata

In SDL Tridion 2011, more (system and custom) metadata from the Content Manager can be made available in the Content Delivery server. Also, when retrieving the custom metadata for a Component, the metadata can now be fully loaded and initialized. The same goes for Taxonomy Keywords.

Ambient Data Framework

The Ambient Data Framework, delivered with SmartTarget 2010, is now a part of Content Delivery in SDL Tridion 2011. Use the Ambient Data Framework to gather and transform Web site data, such as information about your visitor or about the current session. The data can be used by the Content Delivery Web service and in the SmartTarget add-on product. You can extend the framework by creating your own Ambient Data Framework cartridges.

Transport Connector replaces Sender-Receiver pair

To implement a specific type of transport in SDL Tridion 2011, including custom transport, use the `com.tridion.connection.TransportConnector` interface. The interface replaces the Sender class extending `com.tridion.transport.Sender` on the Content Manager side and a Receiver class on the Content Delivery side.

Encryption of sensitive strings

You can now encrypt sensitive strings, such as passwords in Content Delivery configuration files, using the encryption tool. For more information, refer to the installation topics.

Search filter now implemented in Content Broker Query API

In SDL Tridion 2011, implement search filtering in the Content Broker Query API. The API replaces `Tridion.ContentDelivery.DynamicContent.Filters` which is deprecated.

New logging framework

In SDL Tridion 2011 the existing logging framework, which required a logging section in each configuration file, has been replaced by the Logback logging framework. Refer to the upgrade topics to learn how to turn your old logging configuration into a new one.

Chapter 2   What's new in Audience Manager and Outbound E-mail

This section provides an overview of features and functionality introduced or changed between version SDL Tridion 2009 SP1 and version SDL Tridion 2013 of Audience Manager and Outbound E-mail.

2.1   What's new in Audience Manager and Outbound Email in 2013

This section describes what's new and what has changed in Audience Manager between versions 2011 SP1 and 2013.

Audience Manager

Audience Manager ships with sample Web pages that implement a simple subscription model. The sample Web pages in the previous version stored passwords in plain text. Since it is not best practice to store passwords in plain text, in Audience Manager 2013 new utility methods have been added to the APIs so that you can encrypt passwords using one-way hash values.

The sample Web pages have been updated to use these methods and you need to install an additional JAR file (`jasypt.jar`) on your Presentation Server. The JAR file is available on the installation media:

- `Outbound E-Mail/Presentation System/Java/Subscription/jasypt.jar`
- `Outbound E-Mail/Presentation System/NET/lib/jasypt.jar`

Audience Manager API (.NET).

The Audience Manager API provides access to Audience Manager item types (Contacts and Segments) on the Content Manager. If you already have Contacts with plain text passwords, you can convert these passwords to one-way hash values using the `DigestPassword()` and `CheckPassword()` methods in the `Tridion.AudienceManagement.API` namespace.

Outbound E-mail Content Delivery (Java)

If your Web site uses Java, encrypt passwords using the `DigestPassword()` and `CheckPassword()` methods in the `com.tridion.marketingsolution.utilities` package.

Outbound E-mail Content Delivery (.NET)

If your Web site uses .NET, encrypt passwords using the `DigestPassword()` and `CheckPassword()` methods in the `Tridion.OutboundEmail.ContentDelivery.Utilities` namespace.

Outbound Email

`GetLinkBinary("tcm:uri")` renamed to `GetLinkBinaryURL("tcm:uri")`

`GetLinkBinary()` is a method you can use in a Dreamweaver Template for Outbound E-mail to create a link to a Multimedia Component (image). `GetLinkBinary()` has been renamed to `GetLinkBinaryURL()`. Support for the old `GetLinkBinary()` is deprecated.

`<UseSSL>` setting in `OutboundEmail.xml`

`<UseSSL>` is a new setting in the `<BounceProcessing>` section of the `OutboundEmail.xml` configuration file. Set `<UseSSL>` to `true` to instruct Chilkat to create an SSL connection with the mail server, otherwise `false`. If you do not specify a value, default Chilkat behavior applies. For example, if you set the port value to the default SSL ports (`995` for POP3 or `993` for IMAP), Chilkat will connect over SSL.

`<SynchronizationTimeout>` setting in `OutboundEmail.xml`

`<SynchronizationTimeout>` is a new optional setting in the `<PresentationSide>` section of the `OutboundEmail.xml` configuration file. The setting specified the number of seconds the Synchronization service has to perform an iteration before the service is timed out.

2.2 What's new in Audience Manager and Outbound E-mail 2011 SP1

This section describes what's new and what has changed in Audience Manager and Outbound E-mail between versions 2011 and 2011 SP1.

2.2.1 Changes to configuration

This section describes changes to the `OutboundEmail.xml` configuration file in 2011 SP1.

Validation

The `OutboundEmail.xml` configuration file can now be validated against XML Schemas. The Schemas are available on the SDL Tridion installation media in the `Outbound E-Mail\XML Schemas` folder.

`<DefaultSenderAddress>`

A new setting has been added in the `<Mail>` section of the `OutboundEmail.xml` configuration file that allows you to specify the default value added to the **E-mail sender address** field when a user creates a new Mailing.

`<BounceProcessing>`

Several changes have been made to the `<BounceProcessing><Forwarding>` section of the `OutboundEmail.xml` configuration file:

- the `<Server>` and `<Port>` elements have been removed as these were not being used.
- the elements `<SuccessSubject>`, `<SuccessAddress>`, and `<SuccessMessage>` have been renamed `<Subject>`, `<EmailAddress>`, and `<Message>` and have been moved into a new subsection called `<BouncedEmails>`.
- the elements `<FailedSubject>`, `<FailedAddress>`, and `<FailedMessage>` have been renamed `<Subject>`, `<EmailAddress>`, and `<Message>` and have been moved into a new subsection called `<RepliesFromContacts>`.

The new sections `<BouncedEmails>` and `<RepliesFromContacts>` have been added to clarify the difference between success and failure.

`<CoreServiceUrl`

The `CoreServiceUrl` binding has changed:

- If you are using `NetTcpBinding`:

```
<CoreServiceUrl>net.tcp://ServerName.Domain:2660/CoreService/2011/netTcp</
CoreServiceUrl>
```

- If you are using `wsHttpBinding` with the new Core Service endpoint:

```
<CoreServiceUrl>https://ServerName.Domain/webservices/CoreService2011.svc/wsHttp</CoreServiceUrl>
```

- If you are using `wsHttpBinding` with the SDL Tridion 2011-compatible Core Service endpoint:

```
<CoreServiceUrl>https://ServerName.Domain/webservices/CoreService.svc/wsHttp</CoreServiceUrl>
```

Note: The Content Manager installer automatically updates your `OutboundEmail.xml` configuration file when you upgrade to 2011 SP1.

2.2.2   Updates to documentation

The Audience Manager subsystems and services, user accounts, security settings, and file system rights and permissions have been documented in SDL Tridion 2011 SP1. For more information, see the implementor's documentation portal.

2.2.3   Changes to API and architecture

The Content Manager public API and the services and library architecture has changed in 2011 SP1.

Audience Manager and Outbound E-mail services and libraries

The Audience Manager and Outbound E-mail services and libraries (DLLs) are 32-bit and 64-bit compatible. When you install Outbound E-mail, the relevant Outbound E-mail services are configured according to the architecture of your machine.

Audience Manager API

In previous versions, to get a single Contact you needed to write a lot of code to filter Contacts by identification fields to retrieve a single Contact that matched. There is now an overload on the Contact constructor that takes these fields.

In the Content Delivery API, `GroupId` is deprecated and is replaced by `AddressBookId`. The type of `AddressBookId` is `int`.

2.2.4 Audience Manager cartridge

The Audience Manager cartridge, that allows you to use Contact details and extended details and Segments as triggers for promotions, is no longer delivered with SmartTarget. In SDL Tridion 2011 SP1, the cartridge is now available as part of the SDL Tridion suite.

2.3 What's new in Audience Manager and Outbound E-mail 2011

This section describes what's new and what has changed in Audience Manager and Outbound E-mail between versions 2009 and 2011.

2.3.1 Changes to user interface

The organization of Audience Manager and Outbound E-mail content items in the Content Manager Explorer has changed as of SDL Tridion 2011.

In a Publication, there is now an **Audience Manager** node as well as an **Outbound E-Mail** node (visible to users who have Audience Manager/ Outbound E-Mail rights).
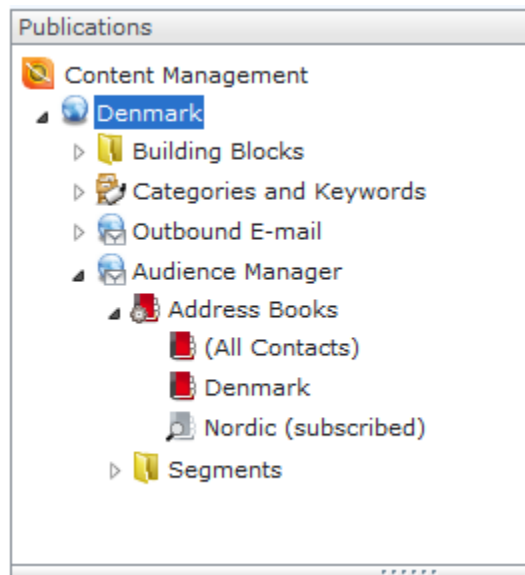
Audience Manager node

In a Publication, the Audience Manager node contains the following Audience Manager items:

- Address Books
- Segments (organized in Folders)

Outbound E-mail node

The Outbound E-mail node contains the following Outbound E-mail items:

- Mailings (organized in Folders)
- Distribution Lists (organized in Folders)

The Outbound E-mail node in SDL Tridion 2011 SP1 therefore no longer contains Address Books as in SDL Tridion 2009.

2.3.2 Segments

Segments are new to Audience Manager 2011. A Segment defines Contact preferences, interests and characteristics that represent a target audience of known Contacts accessing content on your Web sites.

You can use Segments as follows:

- In Outbound E-mail, you can create a Dynamic Distribution List based on a Segment.
- In Audience Manager, on the presentation server implementers can get the list of available Segments through the Outbound E-mail Content Delivery APIs.

You can base a Segment on another Segment so that you can create generic Segments and progressively more specific Segments to create a chain of filters whereby each filter in the chain further refines the selection.

You define a Segment using filters. These filters are the same as those used to define Dynamic Address Books and Dynamic Distribution Lists. Whereas Address Books and Distribution Lists are used to manage groups of known Contacts and therefore contain a list of Contacts that match the filter, Segments define content audiences and therefore do not contain Contacts. You organize Segments into Folders. Segments are BluePrinted down the BluePrint hierarchy but you cannot localize Segments.

Synchronization Targets

The Content Manager Server and presentation server require synchronization to ensure Contact and Tracking information are kept in sync. A **Synchronization Target** allows you to configure a URL (and username/ password) to a presentation server where Contact and Tracking synchronization is implemented. Synchronization Targets have been updated to also synchronize Segments. Segments are synchronized before Contacts for immediate use.

2.3.3 Changes to Address Books

Address Books have changed in several ways.

As of SDL Tridion 2011, when you add Address Books to a Publication, they appear under the **Audience Manager** node. In SDL Tridion 2009 Address Books appear under the **Outbound E-mail** node

In SDL Tridion 2009, a Dynamic Address Book contained **General**, **Details**, and **Categories and Keywords** tabs.

As of SDL Tridion 2011, a Dynamic Address Book has, in addition, an **Outbound E-mail** tab which contains fields specific to Outbound E-mail which were previously on the **General** tab. The **General** tab contains the **Name** and **Based on** fields (previously called **Address Book**).

2.3.4   Changes to configuration

This section describes changes to the `OutboundEmail.xml` configuration file in 2011.

<CoreServiceUrl>

In 2011, Audience Manager and Outbound E-mail connect to the Content Manager through the Core Service. To enable this, an additional configuration setting has been added to the `OutboundEmail.xml` configuration file; configure Audience Manager and Outbound E-mail to use the default bindings available to communicate with the Core Service in the `<System><CoreServiceURL>` element in the `OutboundEmail.xml` configuration file. You can connect to the Core Service using the default `NetTcpBinding` or `wsHttpBinding` bindings:

```
<System>
  <CoreServiceUrl>net.tcp://localhost:2660/CoreService/netTcp</CoreServiceUrl>
  <!--CoreServiceUrl>http://localhost/webservices/CoreService2011.svc/wsHttp</CoreServiceUrl-->
</System>
```

If you use SDL Tridion 2011-compatible endpoints, replace `CoreService2011.svc` with `CoreService.svc`

Note: The Content Manager installer automatically updates your `OutboundEmail.xml` configuration file when you upgrade to 2011 SP1.

2.3.5   Changes to Content Delivery configuration

This section describes changes to Content Delivery configuration of Outbound E-mail and Audience Manager in 2011.

cd_audience_manager_conf.xml

In 2011, you configure Audience Manager and Outbound E-mail on Content Delivery using the new `cd_audience_manager_conf.xml` configuration file. `cd_audience_manager_conf.xml` replaces the `OutboundEmail.properties` configuration file used in Outbound E-mail 2009.

cd_storage_conf.xml

In 2009, you configured your Tracking and Subscription databases using the `OutboundEmail.properties` configuration file. In 2011, you configure Tracking and Subscription databases in the Content Delivery `cd_storage_conf.xml` configuration file.

Password encryption

In 2009, Audience Manager and Outbound E-Mail provided a Password Encrypter tool to encrypt sensitive strings. In 2011, you must use the Content Delivery command line tool to encrypt your sensitive data.

logback.xml
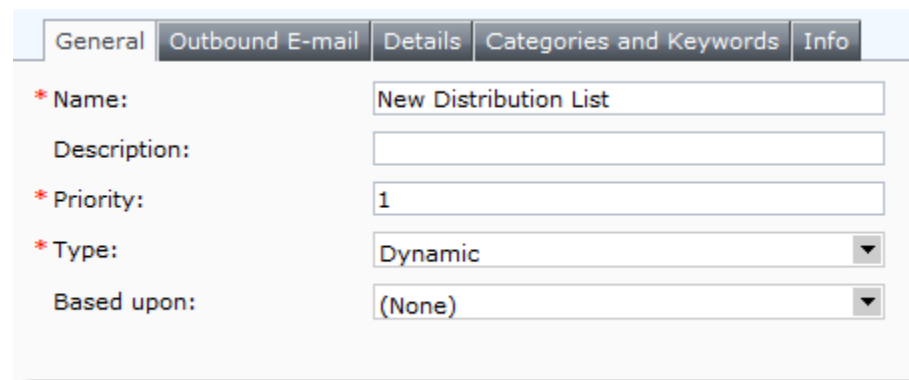
Configure logging for Audience Manager in the `logback.xml` file.

2.3.6   Changes to Dynamic Distribution Lists

In SDL Tridion 2009, a Dynamic Distribution List contained **General**, **Details**, and **Categories and Keywords** tabs. As of SDL Tridion 2011, a Dynamic Distribution List has, in addition, an **Outbound E-mail** tab which contains fields specific to Outbound E-mail which were previously on the **General** tab.

The **Based on** field in the **General** tab allows you to select a Segment, Address Book or Dynamic Address Book on which to base your Dynamic Distribution List:

- If you select a Segment, the filters defined in the selected Segment are used in addition to other filters you may define and act on all Contacts within the Publication.
- If you select a Dynamic Address Book, the filters defined in the selected Dynamic Address Book are used in addition to other filters you may define and act on Contacts within this Address Book.
- If you select a regular Address Book, the filters you define act on Contacts within this Address Book.

Note: If you make no selection, the filters act on all Contacts within the Publication.

2.3.7 Changes to Outbound E-mail Folders

In SDL Tridion 2011 SP1, Outbound E-mail Folders are used in the Audience Manager node to organize your Segments (introduced in 2011), and in the Outbound E-mail node to organize your Mailings and Distribution Lists (as in 2009).

In the Audience Manager node you can set permissions to allow users with **Segment Management** rights to perform actions on Segments.
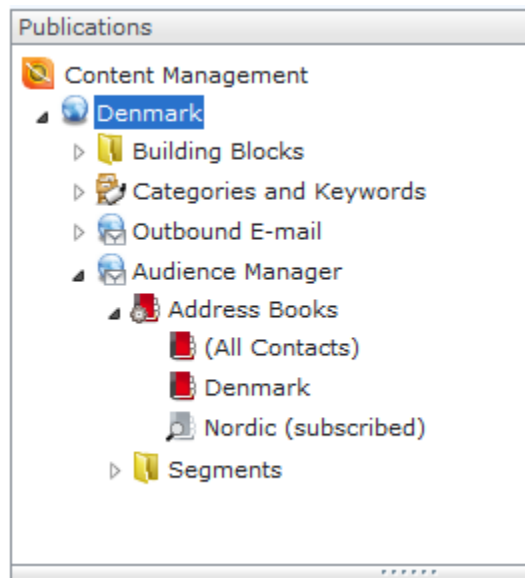
2.3.8 Changes to rights and permissions

A new right **Segment Management** rights has been added to allow you to set up user rights and permissions to restrict access to Segments and specify the tasks a user is, or is not allowed, to perform. Users with access to a Publication and **Segment Management** rights can perform actions on Segments, depending on their permissions.

2.3.9 Changes to Audience Manager and Outbound E-mail APIs

This section describes the changes to the Audience Manager and Outbound E-mail Content Manager and Content Delivery APIs between version 2009 and version 2011.

Content Manager API name and namespace change

The **Outbound E-mail Contact Management (.NET)** API available in SDL Tridion 2009 has been deprecated and will no longer be supported in the next version release. The SDL Tridion 2009 functionality is available in the following namespace:

`Tridion.OutboundEmail.ContentManagement`

In Audience Manager and Outbound E-mail 2011, API access to Audience Manager and Outbound E-mail functionality on the Content Manager Server is available in the **Audience Manager (.NET) API**. The API provides access to the Audience Manager item types (Contacts and Segments) and provides functionality to perform bulk import of Contacts. The functionality is available in the following namespaces:

- `Tridion.AudienceManagement.API`—contains classes that provide access to Audience Manager items on the Content Manager Server.
- `Tridion.AudienceManagement.API.Import`—contains classes that enable bulk import of Contacts on the Content Manager Server.

Content Delivery APIs

The Content Delivery APIs for Outbound E-mail and Audience Manager have been extended to provide access to Segments on the presentation server.

The APIs provide access to Contact Synchronization, Segments, and Tracking (including linking) on the Content Delivery system:

- The ***Outbound E-mail Content Delivery (ASP.NET)*** API—contains methods and properties which allow you to implement functionality on a .NET Presentation Server.
- The ***Outbound E-mail Content Delivery (Java)*** API—contains methods and properties which allow you to implement functionality on a Java Presentation Server.

Chapter 3   What's new in Translation Manager

This section provides an overview of features and functionality introduced or changed between the 2.0 version and version SDL Tridion 2013 of Translation Manager.

3.1   What's new Translation Manager 2013

This section describes what's new and what has changed in Translation Manager 2013.

Multimedia Component metadata

You can now send Multimedia Component metadata for translation. The metadata fields you can send for translation must be of type Text field or External Link field. You configure translatable fields for Multimedia Component in Multimedia Schemas:

The following restrictions apply to Multimedia Components:

- Translation of Multimedia Component metadata is only supported for translation management systems that support ITS
- SDL Tridion metadata is not sent for External Content Library Multimedia Components
- The binary content of a Multimedia Component is not sent for translation

3.2   What's new in Translation Manager 2011 SP1

This section describes what's new and what has changed in Translation Manager 2011 SP1.

Integration in SDL Tridion suite

Translation Manager is now fully integrated into the SDL Tridion suite. You install Translation Manager using the suite installer.

Integration in Tridion Database Manager

You can install/upgrade the Translation Manager database using the Tridion Database Manager tool.

Note: As of SDL Tridion 2013, TDM has been replaced with a set of PowerShell scripts, including one for the Translation Manager database.

Excluding already translated items

By default, Translation Manager does not send items included in a Translation Job to translation if the item has not changed since it was last sent. You can override this behavior by selecting the **Include already translated items** check box, for example if you were not satisfied with the translation.

Configuring translations at Folder, Structure Group or Category level

In your translation BluePrint hierarchy, you can now configure Folders, Structure Groups or Categories as well as Publications for translation. You can configure source content at a global level by configuring the Publication or, if you want finer-grained control over what content is translated and into what languages, you can configure Folders, Structure Groups and Categories.

Translating Keywords

You can now translate individual Keywords or a whole Keyword branch.

Defining translatable fields in Schemas

You can now control what fields are sent to translation by configuring your Schemas and Metadata Schemas:

- In the **General** tab, you can select **Translate Name** if you want the name of the Component/Folder/Structure Group/Page that uses this Schema or Metadata Schema to be translated, and you can select **Aggregate Translation Items** if you want to aggregate multiple Content Manager items to be aggregated into a single TMS item instead of separate files for each item.
- In the **Design** tab or **Metadata Design** tab, select the **Translatable** check box for each text field or external link field that you want to be translated

Translation Manager 2011 SP1 sends translatable fields to the translation system in ITS (Internationalization Tag Set). Only SDL WorldServer 10.1 and SDL TMS version 2011 SP1 onwards provide support for ITS. If you are using a different (supported) version of SDL TMS, you need to use ANL files, Content Types and `<ItemTypes>` and in the `TranslationManager.xml` file to filter your content filters.

Security

Translation Manager introduces the following rights that you can assign to groups or users:

- **Translation Management** rights — to send Folders and Components, Structure Groups and Pages, Categories and Keywords for translation
- **Translation Configuration** rights — to configure Publications, Folders, Structure Groups, and Categories for translation.

In the previous version, a user required Publication Management rights to authorize users or user groups to configure the translation options, and to initiate translations a user or user group was required to be a member of a User Group that you created manually and configured in the `TranslationManager.xml`.

Translation info

In the Component **Info** tab you can see whether the current version of the Component has been translated or, if the item has been modified since it was last sent for translation, which version of the item was last translated.

Depending on whether the Component was a source or target for a translation, the tab also displays a link to the Component that was the source for the translation or links to items that were the target for a translation. You can also see which Publication the source or target content is located.

If the content is currently in translation, the tab displays a link to the Translation Job.

Monitoring the status and progress of translations

In the **Translation Progress** tab of a Translation Job, you can now see which Content Manager items are in which stage of the translation process and the percentage completion for each stage per target language.

Encryption tool

You can encrypt using the `<Password>` in the `TranslationManager.xml` configuration file using the encryption tool delivered with Translation Manager.

ErrorEmailNotificationsPlugin.cs sample plugin

The `ErrorEmailNotificationsPlugin.cs` plugin demonstrates how to send e-mail notifications if errors occur during the translation process.

Translation Manager .NET API

The following changes have been made to the Translation Manager .NET API:

- `Tridion.TranslationManager.DomainModel.Api.TranslationJobManager` now implements the `System.IDisposable` interface. Ensure `Dispose` is called if an instance of `Tridion.TranslationManager.DomainModel.Api.TranslationJobManager` is created.
- `Tridion.TranslationManager.DomainModel.Api.PublicationConfiguration` is deprecated. It is recommended to use `Tridion.TranslationManager.DomainModel.Api.TranslationConfiguration` instead.
- The property `Tridion.TranslationManager.DomainModel.Api.ResolvedItemsEventArgs.Resolv` is deprecated. It is recommended to use the `Items` property instead.

The COM-based API is deprecated. It is recommended to migrate code to the .NET-based API.

Changes to TranslationManager.xml

The following configuration options in the `TranslationManager.xml` file have been removed:

- `<CancelTerminatedJobsInterval>`—each Translation Job is now polled for the status of its items using the `<TmsPollingInterval>` setting, which retrieves items if available, or cancels the job there are no more items in progress.
- `<TranslationAuthorizationGroupUri>`—the functionality has been replaced by the new Translation Management right.

The following configuration options in the `TranslationManager.xml` file have been added:

- `<MaximumTridionItemsPerAggregatedTmsFile>`—specifies the number of SDL Tridion items that can be combined into a single file send to the translation management system. If the value is exceeded, multiple files containing aggregated items are added to the Translation Job on the translation management system.

  The setting affects server memory usage as well as how manageable the file is for the translator.
- `<MaximumTridionItemsPerTmsJob>`—specifies the *maximum number of Content Manager items* that can be combined into a single Translation Job on the translation management system.

  The setting affects database transaction time (the number of operations that are performed inside each transaction when the job is send to the translation management system, as well as how manageable the job is for the translator. If the value is exceeded, several jobs are create on the translation management system for the single Translation Job on the Content Manager. The Translation Job will still be managed as a single job in Tridion.

If you are using SDL WorldServer 10.1 and SDL TMS version 2011 SP1, you should no longer use the `<ItemTypes>` element. If you are using this element, you need to disable it for new translations (it is still required for translations sent with previous versions pending retrieval from SDL TMS).

3.3   What's new in Translation Manager 2.0 SP2

This section describes what's new and what has changed in Translation Manager 2.0 SP2.

The Service Pack 2 release provides compatibility with the SDL Tridion 2011 release of the SDL Tridion suite and is not compatible with earlier versions.

Chapter 4   Backwards compatibility in this release

This section describes changed behavior you may experience when upgrading from a release of SDL Tridion older than 2011.

4.1   Backwards compatibility in Content Manager

The following is a list of changed behavior in Content Manager.

TOM API and TOM-based Event System

It is not possible to use data in .NET that was obtained using MS XML (which is the case when using the TOM API or the old TOM-based Event System). Microsoft Knowledge Base article 815112 explains this issue: http://support.microsoft.com/default.aspx?kbid=815112

Core Service API

Core Service endpoint number	Introduced for version...	Supported in SDL Tridion 2013?
2010	SDL Tridion 2011	no
2011	SDL Tridion 2011 SP1	yes
2012	SDL Tridion 2013	yes

The new Core Service API introduced in the 2013 release has the following impact on existing users:

- The Core Service endpoint for SDL Tridion 2011 (which is identified as the 2010 endpoint) has been dropped. As of SDL Tridion 2013, the only old Core Service endpoints supported are the 2011 endpoint (for SDL Tridion 2011 SP1) and the 2012 endpoint (for SDL Tridion 2013).
- If you were using the 2010 endpoint, you must update and recompile your code, preferably to call the new 2012 endpoint.
- Your existing calls to the 2011 Core Service endpoint, using the 2011 SP1 API, will still work and behave as before in SDL Tridion 2013, but to benefit from the functionality introduced in the new release, you must of course update and recompile your code to call the new 2012 endpoint.

TOM.NET API

Compared to the 2009 SP1 TOM.NET API, the new TOM.NET API introduced in the 2011 release is different in the following ways:

Failed impersonation now throws exception

Previously, if a user who was not configured as an impersonation user tried to impersonate another user, the user would fall back to itself. As of the 2011 release, this scenario results in an exception being thrown.

Trusted read-only mode during rendering and publishing

The new TOM.NET API is still functionally a read-only interface during rendering and publishing. That is, you cannot create, update or delete Content Manager items while your Template is executing. This behavior also applies to the now deprecated TOM API, meaning that if you have Templates that use the TOM API and perform write actions, these Templates will now fail.

If you do want your old TOM templates to be able to write to the Content Manager, you can configure the Content Manager to allow writing during rendering and publishing. **SDL strongly recommends against this practice as it compromises your security.** You enable Templates to write to the Content Manager as by opening the Tridion Content Manager configuration file `Tridion.ContentManager.config` (located in the `config` subfolder of the Tridion Content Manager root location), and adding an attribute `allowWriteOperationsInTemplates`, set to `true`, to the element called `tridion.contentmanager.security`.

XML validation

Earlier releases validated Tridion objects against the system schema, resulting in a single error code `0x80040327 (TcmErrorInvalidXML)` if validation went wrong. In the new release, old XML is converted to the SDL Tridion 2011 format using an XSLT stylesheet, deserialized and run against a number of business rules. As a result, both the error code returned will be different and the error message will be much more specific.

API delta

In addition, the TOM.NET API classes and methods that were already present in the 2009 and 2009 SP1 releases have changed. Refer to TOM.NET API delta compared to SDL Tridion 2009 (SP1) (see page 27) for details.

New LDAP implementation

The news implementation of LDAP integration in the Content Manager involves the following changes:

- The ISAPI filter is no longer needed and therefore no longer configurable in the MMC Snap-in.
- It is now possible to configure multiple Directory Services. The default Directory Service (used as a fallback for unqualified users) is the first one configured.
- It is now possible to specify the domain separator character.
- Empty passwords are no longer supported
- An Active Directory can no longer be configured in the MMC Snap-in separately. To add an Active Directory, simply add a Directory Service, because the Content Manager considers them the same.
- There is also no longer an option to enable Directory Services; Directory Services are automatically enabled as soon as one or more are configured.

Combined LDAP and Active Directory authentication

SDL strongly recommends against authentication through LDAP and through Active Directory using a single machine. If you currently have such a setup running, submit a support ticket to SDL Customer Support.

Changes in default Workflow Process Definitions

In previous releases of SDL Tridion, any new Publication you created included the default Workflow Process Definitions "Page Process" and "Component Process".

This is now no longer the case: new Publications do not get a default "Page Process" or "Component Process". In addition, both existing Publications and new Publications get a new default Process Definition called "Task Process".

Your existing Page Process or Component Process items that are already in use continue working, but if you are upgrading from a release that is earlier than SDL Tridion 2011, you still need to make a change to these default Process Definitions.

Security for workflow tightened

Because of a more stringent way of applying security to workflow, you might find that some workflow operations now require additional security clearance.

Existing Publications do not automatically get new Default Template items

As part of the deprecation of old VBScript/JScript templating in favor of new Compound Templating, new Publications created in the Content Manager no longer contain a Default Component Template, Default Page Template and Default Template Building Block, written in VBScript, in the `Building Blocks` folder. Instead, a new Publication contains a Folder `Building Blocks\Default Templates\`, containing a minimal set of the default modular templating items that SDL Tridion ships with.

For existing Publications, however, neither the Folder nor the items are added during upgrade. This is because such actions could create a conflict. As a result, if you intend to start using modular templating in an existing Publication, you must first create these default items from Template Builder.

New search engine

The new search engine, based on Lucene technology, may result in different search results to your search queriers than the old search engine. Specifically, operator precedence (in search queries such as `a AND b OR c`) is different in Lucene than in the old Verity search engine. You can work around the problem by using brackets to indicate precedence.

Preservation of whitespace in XML

In various instances in Content Manager, the processing of XML was changed to preserve whitespace where previously, Content Manager removed it. Whitespace is now preserved as text nodes. This means that your code might break if it expected to find no text nodes, only XML elements. To fix this, rewrite your code to check which XML children are elements and which are text nodes, and only process elements.

For example, if your breaking code looped through all child nodes using the following `foreach` command:

```
foreach (XmlNode childNode in node.ChildNodes)
```

Replace this code to select only child elements from the child nodes:

```
foreach (XmlElement childElement in node.SelectNodes("*"))
```

4.1.1 TOM.NET API delta compared to SDL Tridion 2009 (SP1)

Compared to SDL Tridion 2009 and SDL Tridion 2009 SP1, the TOM.NET API has changed considerably. Most of these changes are additions to the existing API, turning it from a read-only API into a full-fledged API for all Content Manager interactions. However, the existing TOM.NET API has also undergone a number of changes, which are explained in this topic.

Firstly, the following specific classes and members have changed:

- `ActivityDefinition` class:

  Assignee

  Unlike before, you can validly pass the value `null` as a value for Assignee in cases where Assignee can only be one value: when `null` is passed as the Assignee of the first Activity Definition, it is implicitly assumed to be Everyone, and when `null` is pass as the Assignee of any Automatic Activity Definition, it is implicitly assumed to be the Workflow Agent User.

- `ActivityInstance` class:

  Load

  Before, passing a valid item ID with Publication ID '0' or any other invalid publication ID could retrieve the item; now this is no longer possible. When trying to retrieve using any other Publication ID, an `ItemDoesNotExist` exception is thrown. You need to pass in a valid URI with the right publication ID.

  Finish

  The next `Activity` provided in the `DecisionActivityFinish` object must be a valid next activity for the current Decision Activity. Before, an exception would be thrown with error code `ErrInvalidUri`. Now, an `InvalidActionException` is thrown with `TcmErrorCode.InvalidNextActivity`.

- `ApprovalStatus` class:

  Save

  Before, any user could create or update, and then save, an `ApprovalStatus`; now, only users with Workflow Management rights and administrators can.

- `Category` class:

  Save

  Before, if `AllowedParentCategories` contained more than one item, it was ignored. Now an exception is thrown.

- `Component` class:

  Save

  A Schema change for a localized Component is no longer allowed.

- `Folder` class:

  Delete

  It is no longer possible to delete a Root Folder. Previously you needed Folder Management and Publication Management rights; now, this will raise an `InvalidActionException`.

- `Group` class:

  Create

  A `PermissionDeniedException` is raised when you try to create a Group, you are not a system administrator and you do not have permission management rights to at least one Publication.

- `IdentifiableObject` class:

  PropertyExists

  Changed accessibility from `public` to `internal`.

  Load

  The state of a new item (default XML) now has proper allowed actions.

  Save

  - Previously, a Schema check was performed on the XML to ensure that, say, Title was a string of 1-255 characters. An error with `TcmErrorCode InvalidXML` would be thrown. Now, the API throws an `InvalidPropertyValueException` which uses `TcmErrorCode InvalidPropertyChange`.
  - If a Content Manager URI in a link contains a version, an `InvalidUriException` is raised with error code `TcmErrorCode.InvalidVersion`. Before, the error code was `TcmErrorCode.InvalidURI` (which is just less specific).

  Update

  Before, an error would be thrown when an element that was invalid according to the item's schema (say, `<tcm:C />`) was added to the `tcm:Data Xml` node while trying to save the item. This also applies for `XmlElements` that should be valid but are misspelled. Now, no error is thrown, instead the invalid `XmlElement` is ignored and the item will be saved if there are no validation errors. When an `XmlElement` that should be valid but is misspelled is passed in, and there are no validation errors while saving, the item will be saved without the misspelled property. This behavior is only possible while using the deprecated R5 API

- `Keyword` class:

  Save

  - Before, when trying to change `ParentKeywords` of a localized Keyword, business rules were validated locally, and hence the specific `ErrorCode` 8004032F (`ItemIsLocalized`) was sent back. Now, this is done in a more generic way, so now for any invalid property change for a localized `RepositoryLocalObject`, the `ErrorCode` is 80040301 (`InvalidPropertyChange`).

- Before, when trying to add related Keywords, it was not verified if the user had Read access to the category. Now, a user needs Read access to the Category in order to add a keyword to `ParentKeyword` or `RelatedKeyword`; if not, a `PermissionDeniedException`/ `PermissionDenied` (80040242) is thrown.
  - In the new API, you cannot introduce a cycle by adding a Parent Keyword. This leads to an `InvalidPropertyValueException`/ `CircularLinkDetected`.
- `MultimediaType` class:

  ToXml

  Before, the `tcm:Info` element was located after the `tcm:Data` element, although the Content Manager system schema (`cm_xml.xsd`) says it must be located before it. This bug was fixed.

  SetAllowedActions

  Before, the allowed actions for a `MultimediaType` always allowed `View`, `Edit`, and `Delete` for everyone. This does not reflect the actual allowed actions. Only administrators should be allowed to change and delete `MultimediaType`. In the new API, the allowed actions for `View` are always set to Allow, while `Edit` and `Delete` are only set to Allow for administrator-level users.
- `OrganizationalItem` class:

  Load

  - The state of a new organizational item (default XML) includes default permissions. In the new API, default permissions for root organizational items include all trustees from the Publication (not just predefined groups, as before) that have rights.
  - Previously, all users were given read access to all root items. Now, to be able to read a root item, a user needs at least one management right specified on the Publication, which means that the Publication itself must be accessible.
- `ProcessDefinition` class:

  Save

  There is no longer an explicit property for the first Activity; it is now assumed to be the first in the list.
- `ProcessInstance` class:

  Load

  Before, passing a valid item ID with Publication ID '0' or any other invalid publication ID could retrieve the item; now this is no longer possible. When trying to retrieve using any other Publication ID, an `ItemDoesNotExist` exception is thrown. You need to pass in a valid URI with the right publication ID.
- `Publication` class:

  Save

  - A Publication with changed Workflow properties now checks during save if these items are from the same context Publication.
  - Before, when interacting through the TOM, it was possible to set `PublicationUrl` and `MultimediaUrl` to empty values. Now an `InvalidPropertyValueException` is thrown.

- Before, the values of `PublicationUrl` and `MultimediaUrl` were not checked during save. Now, they are checked for the presence of query strings, fragments, or non-English characters (none of which can occur in a relative path). If any of these are found, an `InvalidPropertyValueException` is thrown.

Delete

- Deleting a non-existent Publication now raises an exception.
- If a Publication has a published Taxonomy, you cannot delete that Publication: an `ItemIsInUseException` is thrown.
- If a Publication has a published Structure Group, you cannot delete that Publication: an `ItemIsInUseException` is thrown.
- Before, any user could delete an `ApprovalStatus`; now, only users with Workflow Management rights and administrators can.

- `PublicationTarget` class:

ToXml

Previously, the `tcm:Info` element was located after the `tcm:Data` element, although the Content Manager system schema (`cm_xml.xsd`) says it must come before it.This was fixed.

TargetLanguage

The value ASP.NET no longer exists as a **Target Language**, it is instead mapped to TCDL.

- `Repository` class:

WebDavUrl

You now get a WebDAV URL on a new item, which was null before.

Key

The `Key` property did not exist before. When upgrading from an old version of the product, this property will be set to the name of the Publication.

Load

The state of a new `Repository` (default XML) includes default Rights. This is the set of rights for default Groups which you get when you save a Repository/Publication for the first time.

- `RepositoryLocalObject` class:

WebDavUrl

You now get a WebDAV URL on a new item, which was null before.

Classify, Reclassify, Unclassify

Before, when trying to Classify, Reclassify or Unclassify, passing in the URI of an invalid item type (not of a Keyword), the API would throw an exception with `TcmErrorCode.InvalidURI`. Now, the item type of the URI is not checked when Classify, Reclassify or Unclassify is called. This will result in throwing an `InvalidCastException`.

AssertValidContainer

- Now, only users with Administrative privileges can create any item in the System Repository (`tcm:0-0-7`). If a user who does not have Administrative privilege tries to create any item in the System Repository, a `PermissionDeniedException` will be thrown with error code 80040242. Previously, even a user who did not have Administrative privileges could create any item in the System Repository.
  - The error code for an invalid item type in a context (parent) URI was changed from 80040325 (`InvalidURI`) to 80040348 (`InvalidItemTypeInURI`).

- `Schema` class:

  GetTridionWebSchemaXml

  The size element for a Schema field will not be sent to output (for all fields except `XHTML` and `MultiTextField`) if no list was specified. `tcm:Size` for `NumberField` and `DataField` have become non-mandatory XML elements in the `cm_xml.xsd` schema.

- `TargetGroup` class:

  Save

  Before, a business rule checked for an incorrect value (string or empty) in `KeywordCondition Value` and throws an exception (`NumericalOperandRequired` - 8004033A). Now, the API throws a .NET serialization exception (80040000) when trying to serialize XML into a `Data` object.

- `TargetType` class:

  AccessControlList

  Before, the API used a new permission type called `TargetTypePermissions` that had one `PermissionType`: `UseTargetType`. This has been changed: the right `Rights.PublishManagement` is now reused to indicate that you can publish to this Target Type.

  Load

  Before, everyone could read the permissions on a Target Type. Now, only an administrator can to see the rights on a Target Type. Non-administrator users can still view the Target Type, but the `AccessControlList` will be empty.

  ToXml

  Previously, the `tcm:Info` element was located after the `tcm:Data` element, although the Content Manager system schema (`cm_xml.xsd`) says it must come before it.This was fixed.

  constructor

  Before, when creating a new `TargetType`, an administrator-level user was not able to set the security settings immediately on the Target Type. the Target Type had to be saved first and then the **Security** tab was enabled when re-opening. Now, the **Security** tab is enabled immediately when creating a new Target Type.

- `Template` class:

  ParameterSchema

Before, this property could not be set to null. Now it can be, effectively removing the Parameter Schema.

- `TemplateType` class: before, this class implemented the `IXmlSerializable` interface. Now, it no longer does.
- `TemplateTypes` class: before, this class implemented the `IXmlSerializable` interface. Now, it no longer does.
- `TrackingKeyCondition` class:

  Value

  - Before, if you entered a value 012 (or +12) it is stored as 012 (or +12); now, the value that will be stored is the interpreted value, so 012 or +12 will be 12.
  - Before, you could enter a very big number and it was stored exactly the same way; now this very big number will be converted to another format, say, 1E+15 (a format that was already accepted previously).

- `User` class:

  constructor

  The `Title` property contains the value `New User` (localized) instead of `String.Empty`.

- `VersionedItem` class:

  Load

  - Previously, the `AllowedAction` for `VersionedItems` had the `Rollback` flag not set in `Allow` and `Deny`. This is not correct, the options should be there but denied. This was fixed.
  - Before, a `TcmErrorCode.AccessDenied` would be thrown when an user tries to load an item and does not have the required permissions and/or rights. Now, a `PermissionDeniedException` is thrown which uses `TcmErrorCode.PermissionDenied`.

  UndoCheckout

  Before, it was possible for a properly authorized user to undo a check-out on an item checked out by another user, although this should have been stopped with proper business rule validation. Now, a `PermissionDeniedException` is raised if you are not the administrator and you attempt this.

  CheckOut

  - An Administrator user is now allowed to read a new item that has not been checked in yet.
  - Before, you were able to call `CheckOut()` on a version of an item. Now, an `InvalidUriException` is thrown.

  GetRollbackComments

  This method is deprecated. The replacement method is `GetListDeletedReferences()`. The methods differ in the name of the root XML element: `GetRollbackComments()` returns `<tcm:RollbackComments>` whereas `GetListDeletedReferences()` returns `<tcm:ListDeletedReferences>`. The XML returned by both the methods does not include the 'Modified' attribute anymore (before, it was always the current date, now removed as pointless). The system schema is fixed to include the `SubType` optional attribute, which was missing.

Rollback

- Before, a rollback to a non-existent version resulted in an exception with `ItemVersionDoesNotExist` error code (8004032A). Now, the error code is `ItemDoesNotExist` (8004034D).
- Before, a rollback to a zero version (that is, an editable version) resulted in an `ErrInvalidVersion exception` (error code -2147220698), even when the item didn't have a zero version. In the latter case, the API now throws an `ItemDoesNotExist` exception.

- `WorkItem` class:

    Load

    Before, passing a valid item ID with Publication ID '0' or any other invalid publication ID could retrieve the item; now this is no longer possible. When trying to retrieve using any other Publication ID, an `ItemDoesNotExist` exception is thrown. You need to pass in a valid URI with the right publication ID.

In addition, the class `Tridion.Localization.StringResourceManager` had previously erroneously been made public (in `Tridion.Common`). This mistake has now been rectified: `StringResourceManager` is now in `Tridion.Common.Core` and is no longer public.

Finally, existing code that specifies `null` as the value of a `Filter` parameter now breaks. This is because `Filter` used to be loosely typed, and must now be either a non-null value or no parameter at all. To accommodate this change, simply remove the `null` value, changing the call to a parameter-less call.

4.1.2 TOM.NET API delta compared to SDL Tridion 2011 (SP1)

Compared to SDL Tridion 2011 and SDL Tridion 2011 SP1, the TOM.NET API has changed slightly.

- `Process.Subjects` used to return a `IEnumerable<IWorkflowItem>`, now it returns an `IList<IWorkflowItem>`.

4.1.3 Core Service API delta compared to SDL Tridion 2011 (SP1)

Compared to SDL Tridion 2011 and SDL Tridion 2011 SP1, the Core Service API has changed slightly.

- `WorkItemData.Subject` used to return a `LinkToVersionedItemData` object, now it returns a `LinkToIdentifiableObjectData`.
- `ProcessData.Subjects` used to return a `LinkToVersionedItemData` array, now it returns a `LinkToIdentifiableObjectData` array.

4.2   Deprecated functionality in Content Manager Explorer

The SDL Tridion 2011 release completely re-engineered Content Manager Explorer. This topic lists the changed behavior resulting from these changes.

Custom extensions

Custom extensions you developed for earlier versions of Content Manager Explorer will no longer work. Refer to the Content Manager implementation topics to learn about the new GUI extension mechanism.

Custom URLs for Schema fields

If you are upgrading from a release earlier than SDL Tridion 2011, and if your implementation includes Custom URLs (that is, making Component field labels clickable by linking the Schema field to a Web resource), then any references to the field, its properties, and its container in the linked Web resource no longer work. As of SDL Tridion 2011, Web resources linked from custom URLs now have access to a JavaScript which you can use to retrieve fields and their properties.

Custom Pages

Any Custom Pages you created will need to be recreated in the new GUI. Refer to the Content Manager implementation topics for more information.

User preferences

Any user preferences, such as interface language, but also, for example, column widths in tables, will need to be reset by hand.

4.3   Backwards compatibility in Content Delivery

A list of changed behavior in Content Delivery.

Content Delivery Web service API change

As of SDL Tridion 2013, the `ComponentPresentation` entity returned by the Content Delivery Web service contains a new property called `Encoding`. This has the following implications:

- If you perform an upgrade in parts, by attempting to combine SDL Tridion 2013 Content Delivery with a SDL Tridion 2011 SP1 HR1 Content Manager with the user interface update added, you will need to install **Hotfix 83845** to make the user interface work again.
- If you created any custom code that interacts with the Content Delivery Web service, you will need to make your client code work with the SDL Tridion 2013 Web service. You can accomplish this by doing one of the following:
  - You can ignore the new property. In your .NET client, you can accomplish this by setting `IgnoreMissingProperties` to `true` in your `DataContext`, then recompiling your code.

- You can regenerate the proxy and update your code to handle the new property, then recompile your code.

Storage layer

Replacing the Content Broker configuration file as of SDL Tridion 2011 is the Storage Layer configuration file, which configures how and where Content Delivery stores items. The layout of the Content Data Store database has also changed.

Content Delivery automatically transforms your existing Content Broker configuration into a Storage Layer configuration. In most cases, this results in a working Storage Layer configuration that works the same way as your Content Broker configuration. But in some cases, you may need to update the configuration manually. The documentation topics about upgrading Content Delivery explain how.

All binaries become Multimedia Components

Not all binary resources in the Content Manager exist as Multimedia Components. For example, an image embedded in a Format Area in a Component is not a Multimedia Component. However, as of SDL Tridion 2011, publishing an item that contains such a binary resource does result in the creation of a Multimedia Component in the Content Data Store.

In terms of backwards compatibility, this means that a Content Broker query that queries for Multimedia Components may now return more results than in older versions, even if the number of Multimedia Components on the Content Manager side has remained the same.

Change in format of published multivalue metadata fields

Before SDL Tridion 2011, a multivalue metadata field was published to the Content Data Store as a comma-separated string. For example, a multivalue metadata number field with the values 4, 8 and 15 would be stored as a string "4,8,15". As of SDL Tridion 2011, the field values are stored separately and in the correct data type. Following the example, the same field is now stored as three numbers: 4, 8 and 15.

If you are upgrading, this means that your existing multivalue metadata remains stored in its old, comma-separate format, until you republish it. However, any new items containing multivalue metadata that you publish (or old items you republish) will be stored in the new format. Note that the querying functionality has been updated to handle either format.

Custom Senders and Receivers

If you have implemented custom transport by implementing custom Sender and Receiver classes, note the following changes:

- Receivers no longer exist as of SDL Tridion 2011. Your custom Receiver can no longer be configured in the Content Deployer configuration file, `cd_deployer_conf.xml`.
- Senders no longer extend the `com.tridion.transport.Sender` class, but instead implement the `com.tridion.transport.connection.TransportConnector` interface.
- As far as the default Senders are concerned, an XSLT stylesheet automatically changes the `Class` attributes of these elements in your existing `cd_transport_conf.xml` to reflect the change. You can also edit the `Class` attribute by hand to point to the new classes.

- As far as your own custom Senders are concerned, however, you must reimplement such a Sender, so that it no longer extends `com.tridion.transport.Sender`, but instead implements `com.tridion.transport.connection.TransportConnector`.

Content Deployer configuration

The introduction of scalable deployment and the absence of Receivers causes the Content Deployer configuration to change as of SDL Tridion 2011.

Content Delivery automatically transforms your existing Content Deployer configuration into a new one. You can also update your configuration file yourself by hand by applying the XSLT. The documentation topics about upgrading Content Delivery explain how.

New logging framework affects proprietary logging

If you have created custom extensions for a previous version of SDL Tridion that log information to one of the Content Delivery logs, for example, the Content Deployer log, using proprietary logging, such logging will no longer work as of SDL Tridion 2011, because the logging framework has changed. You will need to upgrade your logging.

Chapter 5 Known issues in SDL Tridion 2013

This section lists all the known issues in the SDL Tridion 2013 release organized by product area.

> Note: If you have an issue for which you cannot find a solution for here, consult online resources on SDL Tridion World: http://www.sdltridionworld.com. In addition to online documents that describe implementation-specific scenarios and how-to information, you will find information on Release Policy, Platform Support Policy and Localization Policy.

5.1 Known issues in Content Manager

The following list describes issues that are known to exist in Content Manager.

Search does not find unicode characters in a Format Area

When you search in a Format Area, search does not find unicode characters.

Search issues

No operator precedence

Search queries that combine the AND and OR operators may lead to unexpected results, because the search engine does not use operator precedence. Users using search should use unary operators such as + instead.

CONTAINS search finds the reversed string

When searching with the CONTAINS operator, for example, when searching for `Title CONTAINS abc`, the search engine also returns the reversed string, that is, a string containing `cba`.

Spaces in Format Areas cannot be found

When searching for a string containing a space, for example, "pizza margherita", in a Format Area, the string will not be found because the Format Area space is actually the HTML ` ` character. Users need to search for "pizza margherita" instead.

Oracle issues

String length in Oracle in bytes rather than characters

In Oracle, column length constraints can be specified in bytes rather than in characters. If this is the case, the actual maximum number of characters depends on the kinds of characters you use.

5.2 Known issues in Content Manager Explorer

The following list describes issues that are known to exist in Content Manager Explorer.

In Firefox, user cannot select a table by selecting its border

In Firefox, users need to use the **Current Elements** dropdown to select a table in a Format Area. Selecting the border does not work.

Uploading multimedia files of a type not listed in the default Multimedia types

If you attempt to upload a binary file of a type that is not listed among the default Multimedia Types, even if the file extension was added, the upload will fail. You can, however, create a Multimedia Component and use the file in the creation dialog.

Percentage of Components or Pages with comments or ratings is always 0

For User-Generated Content, the percentage of Components or Pages for which comments or ratings were submitted always remains at 0%, no matter how many items have actually received comments or ratings.

Uploading large files

IIS default settings allow users to upload only relatively small files to a Web site (30 MB or less). Using the Content Manager often requires the ability to upload larger files. You can enable large uploads in the following ways:

Edit `ApplicationHost.config`

Do the following:

- Open the file `%windir%\system32\inetsrv\config\ApplicationHost.config` in a plain-text editor (you need to be logged in as an administrator, or run the editor as an administrator, to edit this file).
- Find the `httpRuntime` element in the `<system.web>` section, which has a `maxRequestLength` attribute. Either remove this attribute altogether or set it to your expected maximum value (in bytes).
- Find the `<requestLimits>` element in the `<system.webServer>` section, which has a `maxAllowedContentLength` attribute. Either remove this attribute altogether or set it to your expected maximum value (in bytes).
- Save and close the file.

Create or edit `web.config`

Create or edit a plain-text file `web.config` in the `Web\` subfolder of the Content Manager root location (defaults to `C:\Program Files (x86)\Tridion\`), and ensure that it contains the following:

```
<configuration>
  <system.webServer>
    <security>
      <requestFiltering>
        <requestLimits maxAllowedContentLength="40000000" />
      </requestFiltering>
    </security>
```

```
    </system.webServer>
</configuration>
```

If Content Manager Explorer is open in two Firefox windows, an item opened from one window might appear as a tab in the other window

If you have two separate Firefox windows, both of which have Content Manager Explorer running, opening an item in one window might cause a new tab to be opened in the other browser window.

5.3   Known issues in Experience Manager

The following list describes issues that are known to exist in Experience Manager .

User must apply Update Preview to see dynamic Component Presentations on new Web page

If a user creates a new Web page in Experience Manager and if that creation triggers the creation of one or more dynamic Component Presentations, the newly created Web page initially does not show the newly created dynamic Component Presentations.

To show this content, the user needs to manually update the page by clicking **Update Preview**. After doing so, the dynamic Component Presentations display normally.

Name for newly created Component does not appear until after Workflow Process ends

If a user creates a new Component in Experience Manager (using cloning) and if that creation triggers a Workflow Process, the name that the user gives to the Component will not yet appear in every part of Content Manager Explorer and Experience Manager. Instead, a user would see the name of the original Component that was cloned (made unique if necessary). This situation continues until the Workflow Process ends.

For example, let's say a user creates a new Component in a Folder `Building Blocks\Foo\`, based on the original Component called 'Dolly', which is located in the Folder `Building Blocks\Foo\` as well. Even though the user gives the new Component a name 'My Report 2015', a user looking at the contents of `Building Blocks\Foo\` sees a Component called 'Copy of Dolly' until the Component finishes its Workflow Process.

If Experience Manager is open in two Firefox windows, an item opened in a separate dialog from one window might appear as a tab in the other window

If you have two separate Firefox windows, both of which have Experience Manager running, selecting an item to open in a dialog from one window might cause a new tab with that item to be opened in the other browser window.

Chrome changes certain characters in a URL with their URL escape codes

If you use Google Chrome, when you enter a URL in Experience Manager that contains a string with one of the following characters:

```
[SPACE] < > # % { } | \ ^ ~ [ ] ` ; / ? : @ = & $
```

then Google Chrome will replace the characters with their URL escape codes. For example, it will replace a $ with %24.

5.4   Known issues in Workflow Designer

The following list describes issues that are known to exist in Workflow Designer.

Uninstalling Workflow Designer causes popups for credentials

When you uninstall the Workflow Designer client application, popups may appear during the uninstall prompting you for a user name and password. You can simply ignore these popups; Workflow Designer does uninstall.

5.5   Known issues in WebDAV

The following list describes issues that are known to exist in WebDAV functionality.

Cannot handle item names or folder names with Japanese characters

When using WebDAV on a Windows 2008 R2 or Windows 2012 machine, you may not be able to use folders and/or files with names that contain Japanese characters. Saving an item with a Japanese name may not work, and neither may putting a file in a folder with a name that contains Japanese characters.

5.6   Known issues in Templating

The following list describes issues that are known to exist in templating functionality.

Modular Templating

The following bugs are known in Modular Templating and in the Template Builder application:

- Template Builder allows you to save a Compound Template even if you left a mandatory parameter in one of its Template Building Blocks empty.
- If you remove a Parameter Schema that is being used by a Template Building Block invocation in a Compound Template, and you specify values for the parameters in your template, Template Builder shows warnings but will run normally. To get rid of these warnings, edit the Compound Template directly in Content Manager Explorer and remove the parameters that cause these warnings.

5.7   Known issues in Content Delivery

The following list describes issues that are known to exist in Content Delivery.

Dynamic Linking

Link attributes such as titles and target, specified in a Component Link field in Content Manager Explorer, do not end up in the dynamic link on the published Web page.

High-volume publishing may result in failed Publish Transactions

Under certain conditions, high-volume publishing may result in some failed Publish Transactions. This is due to incidental conflicts that occur when the Content Data Store database is updated. Content Delivery has a fallback mechanism to deal with this problem: it retries the deployment of the content for up to 10 times. But if the number of conflicts is too high, this may not be enough.

To work around this problem, do one of the following:

- Decrease the number of Workers in your Content Deployer configuration
- Republish the content that failed

5.8   Known issues in Audience Manager and Outbound E-mail

The following list describes issues that are known to exist in Audience Manager and Outbound E-mail.

Viewing an archived e-mail with an embedded image raises an error

The following error may appear when you attempt to view an archived e-mail containing an embedded image:

```
Retrieving the COM class factory for component with CLSID
{391A2D3A-E4E7-4B2F-81A0-E96AB65D3700} failed due to the following error: 80040154
Class not registered (Exception from HRESULT: 0x80040154 (REGDB_E_CLASSNOTREG)).
```

Enforcing of the maximum length of Extended Detail Fields

Audience Manager does not enforce the maximum length of Extended Detail Fields, so when saving a Contact with data exceeding 255 characters a database exception is thrown.

To work around this problem, make sure the maximum field length of extended details does not exceed 255 characters.

5.9   Known issues in Translation Manager

The following list describes issues that are known to exist in Translation Manager.

Configuration path isn't displayed in Source/Target items

Problem: When you have configured an item so that it can be a Target for translations or a Source for translations, when you create a Translation Job, after you have selected whether to translate To (pull job) or From (push job) in the **Translation Job Details** the **Configuration path** is not displayed.

Solution: The problem is a display issue and does not affect the actual sending of content.

Translation Jobs list is not displayed if SDL TMS or SDL WorldServer configuration is incorrect

Problem: The Translation Jobs list is not displayed, and an error is displayed, if the SDL TMS or SDL WorldServer URL configuration is incorrect.

Solution: Fix the URL in the `TranslationManager.xml` file.

Authorization Required column is present when SDL WorldServer is configured

Problem: If SDL WorldServer is configured, the **Authorization Required** column should not be visible in the user interface for **Translation source configuration** and **Translation target configuration** sections.

Solution: If SDL WorldServer is configured, ignore the setting as it is only relevant for SDL TMS only.

A Javascript error is thrown in IE 9 when sorting on To-From

Problem: In Internet Explorer 9, when you add an item to an existing job, in the dialog that opens a Javascript error is thrown when you try to sort entries by clicking the **From/to** column.

Due date set incorrectly in older versions of SDL TMS

Problem: In SDL TMS versions 2007 SP4 to 2011, the due date of a translation job is always set to the creation date of the job plus 1 week, regardless of what the required date was sent in the job request.

Refresh browser cache after installation

Problem: After you have installed Translation Manager, the Translation Manager functionality does not appear in the Content Manager Explorer interface.

Solution: Refresh your browser cache to view the changes in the Content Manager Explorer.

Check-in failure due to Schema violation

Problem: When translated content obtained from SDL TMS fails to validate against the Tridion Schema, for example due to schema violations of restricted fields or if someone changed the schema since the content was sent, the translated content will not be applied to the Tridion item (check-in will not be performed) and the job will enter the **Error retrieval** state in the Content Manager and in the **Translated Content Retrieval** state on SDL TMS until the problem is corrected.

Solution: To prevent check-in failure due to schema violations of restricted fields, it is recommended to:

- Create an analysis (ANL) file to exclude translations of fields with restricted values
- If you want to translate a restricted value field, define a workflow step on SDL TMS after the translation step to verify that the translation is valid, for example a simple value validation or validating the XML against a Schema.

LDAP users displayed without Directory Service name

Problem: If you have configured the Content Manager so that it can access LDAP directories, you can add users from an LDAP compliant directory service. LDAP users are displayed in the Content Manager with Directory Service name. However, in the **Info** tab of a Translation Job dialog, a user from an LDAP directory is displayed without with the Directory Service name.

Save Translation Job possible despite no mandatory Business Unit specified

Problem: When you specifying mandatory Business Units in the Translation Manager configuration file, existing Translation Jobs in the **In Definition** state do not have a value applied. When you open the Translation Jobs but do not specify a Business Unit, you can still save the Translation Job.

Selecting 400+ Components for translation causes GUI error

Problem: When selecting more than 400 Components (or any other items) for translation, the Translate Job dialog appears as a blank screen.

Solution: Create smaller Translation Jobs, or send Folders.

Error Sending reports only one error

Problem: When there are two or more items that fail when sending to translation (**Error Sending**), an error message is displayed for only one of them.

Solution: Fix the error and choose **Retry Sending**.

5.10   Known issues in Device Preview

This section describes the known issues in Device Preview.

Session cookies need to be cleared

Problem: When you are using targeting functionality in the Experience Manager, the Ambient Data Framework caches the device User-Agent in the session. Consequently, when you try to load another device in Device Preview the different User-Agent is not updated in the session cookie.

Solution: Create a file which clears the session cache when a new device is loaded.

Metadata fields are not editable in Device mode

Problem: In Device mode, metadata fields may not be editable; they appear in a popup with the background (and also the background's scrollbars) greyed out.

Solution: You can edit these fields in Desktop mode.

Continue Editing Later fails after Switch to Desktop from Format Area

Problem: You may lose changes made in a Format Area (Rich Text Field) if you do the following:

  a. Edit a Format Area field in Device mode

  b. Press **Switch to Desktop** on the toolbar

  c. Select **Continue Editing Later**

Solution: To work around this problem, switch to the desktop mode:

  a. Edit a Format Area field in Device mode

  b. Press **Device Preview** on the toolbar

  c. Select **Desktop**

  d. Select **Continue Editing Later**

Device Preview is unable to work with a Web page that requires user login

Problem: Using a logon form on a Web page in Device Preview—for example Contact subscription pages in Outbound E-mail—will not work because Device Preview cannot pass form data. If you try, a message like the following will appear: "`The file '/Path/To/Webpage.aspx' does not exist`".

Device Preview is unable to work with a URL that requires query string parameters

Problem: Device Preview produces the following error when trying to open a URL that ends with a query string, for example, `http://www.example.com/page.aspx?q=test` "`System.ArgumentNullException: Value cannot be null.`" :

Chapter 6   Resolved issues

This section describes the issues that were fixed from release to release for all the releases from which you can upgrade to the current release. The resolved issues for a release are organized into product areas.

6.1   Resolved issues in SDL Tridion 2013

A list of issues that were resolved in the SDL Tridion 2013 release.

Content Manager

Slow performance for non-admin users

Logging in, listing folder contents etc took noticeably longer for non-admin users than for admin users. This performance problem was fixed.

Updated of an item subject to workflow listed as done by NT AUTHORITY\SYSTEM

When a user updated an item that was workflow-enabled, its updates would appear in the item's Version History as performed by `NT AUTHORITY \SYSTEM`. Now, the user is displayed.

Custom Resolver could result in exception "Object reference not set to an instance of an object"

This problem with custom Resolvers was fixed.

Logging an error larger than a 16-bit integer failed

Logging an error of the indicated size could throw an exception and even stop the Core Service. This was fixed.

Thumbnail of binary in Multimedia Component was corrupted if the Multimedia Component entered a Workflow Process

This issue no longer occurs.

Content Manager Explorer

A hyperlink in a bullet in a Format Area resulted in wrong HTML

The `<a href=...>` element was placed before the `<ul>` element. This is now fixed.

Large, complex, nested Taxonomy may cause Go To Location control to fail

The **Go To Location** button in search results now works as expected.

Search scope was set to All Publication if you navigate too far down a Category tree

Now the scope is set correctly.

Pasting text from Microsoft Word in Firefox would include Word's XML comments

This would cause strings like `<!-- [if gte mso 9] -->` to appear in the Format Area. This now no longer happens.

Items To Publish list erroneously claims Dynamic Component Presentations will be unpublished as part of a Page unpublish

Only the Page actually gets unpublished, but Content Manager Explorer was still displaying wrong information. This is now fixed.

Unwanted spaces were added to a Format Area containing only a bullet list

Also, highligthing the list showed the selected element to be 'Text Selection'. This issue was fixed.

Needed to explicitly select an image to see its properties

Placing your cursor next to the image and selecting **Image** would open a dialog for a new image. This is now fixed.

Internet Explorer displayed 'NaN' for certain date ranges

In certain situations Internet Explorer would display the text NaN (not a number) for date ranges. This is now resolved.

Scheduled For Publish items did not always appear correctly in the Publishing Queue

Issue resolved.

Reordering embedded Format Area fields would cause Format Area to become empty

This issue was fixed.

Description of localized Schema could not always be changed

All types of Schemas can now have their descriptions changed, whether they are localized or not.

Experience Manager

'Enable for inline editing' check box in Page Templates

Before this release, this check box would enable or disable Experience Manager functionality, not just for the Page objects being rendered by the Page Template, but also for all Components listed for the Page. This was not correct behavior. Now, this check box only affects the Page object itself (that is, Page metadata and the adding, moving or removing of Component Presentations).

Translation Manager

Add Items list in Translation Job was not sortable or resizable

List was made sortable and resizable.

Content Delivery

Deployment fails: unable to unzip

Deployment would sometimes fail with the message 'Unable to unzip', 'The system cannot find the file specified'. This is now fixed.

Monitoring returns 'Not Responding' for an active Cache Channel Service

Monitoring would erroneously report that the Cache Channel Service was not responding when it was in fact up and running. This is now fixed.

Publish transaction details could show 'Ready for Transport' for an item that had already been transported

In certain cases, this wrong information could appear, now it no longer does.

Content Delivery Web service did not handle OData standard dateTime properly

Date-time filters were implemented according to OData specifications.

When publishing a binary inside a Component, the last published date is not updated in the Content Data Store

Updated so that `LAST_PUBLICATION_DATE` is updated.

Content Deployer would stop if Cache Channel Service was not responding

Fixed: the unavailability of the Service no longer blocks the Content Deployer message queue.

Publishing unmanaged binaries could result in publishing of unrelated Pages

Unmanaged binaries are now properly identified and published without such side effects.

Deployment of content failed when Page metadata was too large

Deployment now fails only if Page metadata does not fit available storage size.

Outbound E-mail and Audience Manager

`"ContactDoesNotExist"` exception was always logged

The `"ContactDoesNotExist"` exception was always logged and could not be caught in .NET. Therefore, on busy Web sites where many people were continuously forgetting their login details, your log file would fill up with `"ContactDoesNotExist"` error messages. This problem is now resolved.

Maximum open cursors was exceeded (JNDI only, and possibly only WebSphere)

`'ORA-01000 Maximum open cursors exceeded'` was regularly thrown by Audience Manager on the presentation side because `ResultSet`s were not explicitly closed. According to the JavaDoc for `ResultSet::` it isn't necessary, although this seemed to be only true when *not* using JNDI; when *using* JNDI it would leave the cursors open.

The problem is now resolved.

Documentation

Wrong instructions for setting default values for mandatory Multimedia Schema fields for WebDAV

Documentation erroneously claimed that this should be configured in a file `cc_crtd_def.xml` when in fact it must be configured using the Event System.

Wrong description text for IncludeComponentLinks in TOM.NET and Core Service API reference documentation

Claimed that the Boolean should be set to 'true' exactly when it should be set to 'false'.

6.2 SiteEdit issues fixed in the SDL Tridion 2011 SP1 user interface update

This topic lists issues that were present in SiteEdit 2009 SP3 that are fixed in the user interface update for SDL Tridion 2011 SP1 (now called Experience Manager .

Component that contained an empty, mandatory Format Area could be saved without raising an error

If a user attempted to save a Component that contained a Format Area that was mandatory in the corresponding Schema, then the save operation did not fail in some browsers, because the browser kept an empty tag (such as a `<br/>` element) in the field.

Could not publish a Page if another user has it checked out

If another user had checked out a Page anywhere, you could not publish that Page from the editable Web page.

Nested Component Presentations

On an editable Web page, a nested Component Presentation was displayed as a removed Component.

Using an alternative BluePrint context could cause crashing behavior

Some reports of browser and even computers crashing due to the configuration of an alternative BluePrint context in SiteEdit were reported in the past. The new user interface no longer crashes if you configure an alternaitve BluePrint context.

Creating a page from preview opened a browser window with nonexistent URL

In SiteEdit, creating a new page from the preview area in Content Manager Explorer would open a new browser window and show a 404 message. This is no longer the case if you use the new user interface.

Uploading a binary yielded an error message about metadata even if metadata was optional

In SiteEdit, if you uploaded a binary file and your default Multimedia Schema had only optional metadata fields, you would still see a message "Unable to find metadata". This error can no longer occur.

Unusable controls were enabled in SiteEdit

In SiteEdit, controls that should have been disabled based on the user's security clearance were displayed as enabled. This is no longer the case.

Changes to items in Content Manager Explorer would require a refresh in SiteEdit

If, for example, an items was unlocalized in Content Manager Explorer, SiteEdit would continue displaying it as a localized item, but show an error if the user tried to edit it. Now, the item list is refreshed every 10 seconds, making this kind of scenario very unlikely, and the need to refresh no longer exists.

SiteEdit could produce unpredictable results if SiteEdit configuration referred to nonexistent items

In SiteEdit, conceivably, the SiteEdit configuration in `SiteEdit_conf.xml` could create problems if it contained the Content Manager URI of an item that no longer existed (or never existed). This is no longer possible: the new user interface no longer lists Content Manager URIs in a configuration file (and ignores the ones listed in old SiteEdit configuration files).

Category security

Inline editing allowed users to add a Keyword even if they did not have Category Management rights for that Category.

6.3   Hotfixes

SDL Tridion 2013 includes hotfixes released since SDL Tridion 2011 SP1.

To see and download hotfixes and hotfix roll-ups:

1. Go to SDL Tridion World at http://www.sdltridionworld.com.

2. Log on using your SDL Tridion World username and password.

3. Select **Downloads** > **Hotfixes** or **Downloads** > **Patch Installers** from the menu.

6.4   Resolved issues in 2011 SP1

This section describes the issues that were fixed in SDL Tridion 2011 SP1.

6.4.1 Resolved issues in Audience Manager and Outbound E-mail

The following issues were resolved in Audience Manager and Outbound E-mail in 2011 SP1.

Ordering of e-mail headers

On some e-mail servers, the order of e-mail headers would cause e-mail servers to incorrectly deliver bounced e-mails to `REPLY-TO` address rather than the `FROM` address. The order of the headers has been changed so that the `FROM` header appears first.

Contact.Save(pageUri)

The `Contact.Save(pageUri)` was not validating the `pageUri` parameter correctly to ensure that it is a Page URI.

Loading a list of Mailings

The performance of loading a list of Mailings, for example a folder containing 100 Mailings, has been improved.

Import screen enhancements

In the import Contacts or Import Keywords screens, you were first required to specify the import file and then the formatting options. The order has now been swapped so that you choose the format first so that when you the upload the file it can be read correctly immediately.

Sync pages configuration test

The configuration test performed by the `profilesync` and `trackingsync` Web pages has been enhanced. The test now also checks the connection to the tracking and subscription databases and problems with Content Delivery, for example missing Ambient Data Framework files, invalid configuration, or missing licenses.

Failure to load Core Service configuration

When Audience Manager and Outbound E-mail try but fail to load the Core Service configuration for the default binding, it does not prevent a connection but the attempt was previously logged as an Error rather than an Info message. The new Info message is more informative and reflects the severity of the problem, which is basically troubleshooting using a custom binding.

All or Any Keywords logic on a Segment is switched around on a .NET Web site

When you synchronized a Segment on a .NET Web site, it had the opposite `KeywordsOperator` on the presentation side (the enumeration value was switched around).

On the Audience Management tab of a Publication, Edit button doesn't work

In the **Audience Management** tab of a Publication, you could not select an Address Book and click **Edit** to open it for editing (the button did not work).

Send Mailing dialog doesn't close after viewing error details

In an E-mail Campaign, if you sent a Mailing and then got a message in the Send Mailing dialog, when you clicked the message you couldn't close the Send Mailing dialog.

Errors are not apparent when importing

When you imported Keywords into an Address Book and errors occurred, the orange Message Center error bar did not appear at the top of the **Import Keywords** dialog (you would only see the flag in the top left-hand corner with a number indicating errors had occurred).

Save buttons

Save and Close and **Save and New** buttons in Contacts and Address Books were not available until you have made a change to these items.

Keywords in Dynamic Address Books in Firefox

In Firefox, when you selected a Keyword in a Dynamic Address Book you did not see the Keyword selected in the Keyword list.

Empty Mailing Statistics screen in Firefox

In Firefox, when you viewed a Mailing status, clicked other tabs in the Mailing, and then returned to the Mailing status tab, the status overview and actions taken no longer contained data.

Root Segment already exists error when opening Publications

After upgrading from 2009 SP1, when opening Publications an error appeared that a root segment already exists (you could safely ignore this error message).

Removing permissions for multiple users

When you tried to remove the permissions of multiple Users or User Groups, only one of them was updated.

6.4.2 Resolved issues in Translation Manager

The following issues were resolved in Translation Manager in 2011 SP1.

Translate option is available after creating a Publication

When you created a new Publication, the context menu of the Building Blocks Folder displayed the **BluePrinting>Translate** option. If you tried to use this option, an error message appeared telling you that you needed to configure the Publication for translation.

Components with list value field defined in Schema

When a Component containing a field the value of which was selected from a list predefined in the Component's Schema is sent for translation, on retrieval the Translation Job is set to **Error Retrieving** because SDL TMS cannot update values in a Schema.

Cancel/Save/Send buttons are disabled when error occurs saving Translation Job

If an error occurred on the Content Manager Server in the process of saving a Translation Job, the error was correctly displayed in the Content Manager Explorer but the **Cancel**, **Save**, and **Send** buttons were not re-enabled.

Refresh option is not available on Translation Jobs list

The Refresh option was not available in the context menu when clicking outside of the items list in the Translation Jobs list.

Chapter 7 Changes to product prerequisites

The changes to product prerequisites from release to release are documented in the upgrading documentation (support history).