

# Vasont ST Release Notes

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## Disclaimer

The instructions contained within this document serve merely as a reference for guidance purposes only. Therefore, Vasont Systems does not assume any liability or responsibility related to any Oracle installation issues, or for the consequences of any actions taken on the basis of the information provided herein, unless Vasont Systems has been contracted by your organization to do so. Procedures and examples contained within this document may vary depending upon both your version of Oracle and operating system. For information pertaining to other operating systems, as well as other installation issues, refer to your specific Oracle documentation.

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## TABLE OF CONTENTS

Introduction.....	1
Things to Know when Upgrading to Vasont Release ST .....	1
New Oracle Database and Client Software Requirements .....	1
Changes to Vasont's Server-Side Processing Features .....	1
Vasont Release ST Coexistence with Earlier Vasont Releases .....	2
Guidelines – Oracle Database .....	3
Oracle Database Version .....	3
Oracle Database Character Sets .....	3
Oracle Database Components .....	4
Oracle Supplied PL/SQL Packages .....	4
Oracle Job Queue .....	5
Guidelines – Vasont Client PCs and Servers .....	5
Required Software .....	5
Microsoft Windows Operating System .....	5
Oracle Net Services .....	5
Microsoft Internet Explorer .....	6
Editing and Authoring Tools with Vasont Integration .....	6
LDAP ActiveX Client ( <i>Only Required for LDAP Authentication</i> ) .....	6
Other Required Software .....	7
Recommended Software .....	7
Adobe Acrobat Reader .....	7
Optional Software .....	7
Ghostscript .....	7
Installation Tasks .....	8
New Vasont Customers – Installing the Vasont Schema .....	8
Existing Vasont Customers – Upgrading the Vasont Schema .....	8
Shutting Down Server-Side Processing Jobs .....	9
Running the Vasont Upgrade SQL Scripts .....	10
Example – SQL*Plus .....	11
Re-Installing Server-Side Processing Support .....	11
Analyzing the Vasont Database Tables .....	12
Installing Vasont Components on a Host PC or Server .....	12
Known Limitations .....	13
Non-Latin Characters in Vasont Title Bars and Menus .....	13
Saving Reports as Adobe Acrobat (PDF) Documents .....	14
Uninstalling Vasont Release ST .....	14
Vasont API Hot fix - Windows 7 and 2008 .....	14

## Introduction

Welcome to Vasont Release ST! Vasont Release ST is the latest generation of the Vasont Content Management System (CMS), including significant enhancements in the users' ability to manage their content effectively, efficiently and reliably. Users of Vasont Release ST will note significant enhancements in the areas of translation management and project management. Additionally, new notification features let you subscribe to, and be informed, when crucial events occur for your content. For detailed information regarding the new Vasont Release ST features, please refer to the [Vasont ST New Features List](#) document link within the help menu of Vasont.

This Release Notes document is intended for use by the Vasont System Administrator(s) at your facilities. It outlines critical changes in Vasont Release ST that will require action on the Vasont System Administrator's part and provides detailed instructions for the installation of Vasont Release ST. The Vasont System Administrator will need to coordinate the installation activity with the Oracle Database Administrator (DBA) at your facilities, as the installation of (or upgrade to) Vasont Release ST will require actions against the Oracle Database.

## Things to Know when Upgrading to Vasont Release ST

This section outlines important changes, introduced with Vasont Release ST, to which existing Vasont CMS customers (users of earlier Vasont releases) should pay particular attention.

### ***New Oracle Database and Client Software Requirements***

Vasont Release ST introduces several new Oracle database and client software requirements. These new requirements directly support many of the features introduced in Vasont Release ST, such as the collaborate review and notification features.

The following ("Oracle Supplied") PL/SQL packages are now required for the Vasont CMS and must be available to the Vasont schema owner (the Oracle user that "owns" all of the Vasont database schema objects) – See the [Oracle Job Queue](#) section below for further details:

- DBMS\_JOB
- DBMS\_OBFUSCATION\_TOOLKIT
- DBMS\_STATS
- UTL\_RAW
- UTL\_SMTP
- UTL\_TCP

Additionally, the Oracle instance housing the Vasont database schema, Oracle's job queue (managed via the DBMS\_JOB package) must be available for use by the Vasont schema owner account. See the [Oracle Supplied PL/SQL Packages](#) section below.

On the client side, Microsoft Internet Explorer version 6.0 (or higher) is now required for Vasont's preview and collaborative review features. Internet Explorer only needs to be installed on the host PC or server (web browsing does not necessarily have to be enabled) – See the [Microsoft Internet Explorer](#) section below for further details.


### ***Changes to Vasont's Server-Side Processing Features***

Vasont Release 10 introduced new features where certain intensive processes, such as a Vasont clone process or a Vasont load process, can be "pushed" to the Oracle Server. These server-side processing features have proven to yield a substantial performance boost with the affected processes and are now heavily used by many Vasont customers.

For Vasont Release ST, the architecture of Vasont's Server-Side Processing features has been altered to enhance the performance and availability of server-side processes. Specifically, server-side processing jobs are now managed by the Vasont client software rather than internal to the Oracle database engine. In Vasont Release ST, processes will

still execute in the Oracle database engine (yielding the desired performance benefits), but Oracle jobs are no longer required within database engine to intercept and manage the server-side processing submissions.

**IMPORTANT:** *If your facilities are currently using the Vasont Server-Side Processing features, Server-Side Processing support must be re-installed and re-configured within the Vasont database schema!*



Please refer to the **Re-Installing Server-Side Processing Support** section below for further instructions.

If your facilities are not currently using the server-side processing features and have an interest in doing so, please refer to the **Vasont InstallationConfigurationMaintenance (Appendix C)** document on your Vasont Installer (**\\Installation and Configuration**). Actions to add Server-Side Processing support to your Vasont CMS must occur after the Vasont database schema has been upgraded to release ST!

## **Vasont Release ST Coexistence with Earlier Vasont Releases**

Vasont Release ST is designed to replace installations of earlier Vasont releases on a host PC or server. In other words, installing Vasont Release ST and an earlier release (e.g., Vasont Release 11 or Vasont Release 10) “side-by-side” (simultaneously on a host PC or server) will not (and can not) result in two fully functional installations of the CMS. If Vasont Release ST is installed side-by-side with an earlier release, please be aware that the functionality of the earlier release will be limited. These limitations include:

- *After installing Vasont Release ST, applications that utilize the Vasont Universal Integrator (VUI), such as Arbortext Editor, Epic Editor, FrameMaker and XMetaL, will be linked to the release ST version of the VUI. As a result, the VUI can only be used with Vasont database schemas that have been upgraded to release ST.*
- *After installing Vasont Release ST, applications that rely on the Vasont API (including custom applications developed in-house as well as Daemon applications developed for your use by Vasont Systems) will be linked to the release ST version of the Vasont API! As a result, custom applications (or Daemons) can only be used with Vasont database schemas that have been upgraded to release ST.*
- *After installing Vasont Release ST, internal processes that rely on the Vasont API (such as Batch Extract Queue processing and Batch Load Queue processing) will utilize the release ST version of the Vasont API! As a result, these processes can only be used with Vasont database schemas that have been upgraded to release ST.*

These limitations have one thing in common: The utilization of, and reliance upon, the Vasont API. In general, any processes or applications that use the Vasont API will invoke the release ST version of the API by default. In turn, the Vasont API will expect to connect to a Vasont database schema that has been upgraded to the release ST level.

For further information regarding the Vasont Release ST coexistence limitations, and possible alternatives to access both releases for a period of time, please contact Vasont Systems for assistance.

**IMPORTANT:** *Vasont Systems highly recommends that you avoid using both Vasont Release ST and an earlier release on a host PC or server!*



If you have a need to run multiple releases for a period of time (e.g., for Vasont Release ST testing purposes), it is suggested that you install Vasont Release ST on a separate PC or server. Another alternative is to use dual-boot technology, Windows virtualization or similar technology to isolate the two Vasont run-time environments.

## Guidelines – Oracle Database

The following sections outline the requirements and recommended features for the Oracle database instance that will host release ST of the Vasont CMS.

### Oracle Database Version

Vasont Release ST is designed and optimized for use with Oracle10g Release 2 (with patchset 10.2.0.2.0) or higher. Release ST continues to be compatible with Oracle9i Release 2 (the minimum requirement for the Vasont CMS), but customers should be aware of specific action items and limitations when deploying the Vasont CMS with Oracle9i:

#### **If you are using Oracle9i Release 2:**

- *You will need to contact Vasont Systems, prior to Vasont Release ST implementation, to obtain Oracle9i compatible builds of Vasont-specific Oracle packages and procedures!*
- *Vasont Multimedia Metadata Capture feature can not be used! Vasont's Multimedia Metadata Capture feature provides a mechanism to automatically capture (and display) properties that are unique to a wide variety of multimedia content (such as color depth information for graphics files; author and word count information for Microsoft Office documents, etc.). The Multimedia Metadata Capture feature, however, relies on Oracle Java objects that are only available in Oracle10g Release 2 (10.2.0.2.0) or higher.*

**IMPORTANT:** *If you are using Oracle9i Release 2, Vasont Systems highly recommends that you upgrade your Oracle database to Oracle10g Release 2 or higher!*



Using the Vasont CMS with Oracle10g Release 2 ensures that your Vasont users have the full set of Vasont features available, regardless of whether they are currently in use. Additionally, Oracle error corrections support (ECS) and extended support services (ESS) have expired for all Oracle9i releases (unless you have contracted special Oracle9i support services from Oracle).

### Oracle Database Character Sets

The Vasont CMS is capable of natively handling content from a wide variety of languages and character sets. This allows the Vasont CMS to play a key role in managing the translation of content into multiple languages. Even if your organization does not currently work with multiple languages, however, it is conceivable that the organization may have a need to support multiple languages in the future. Additionally, choosing a broader database character set permits the native storage of “high-end” characters (such as trademark symbols, copyright symbols, etc.) that may commonly be used. Thus, the use of a Unicode-compliant database character set is recommended, as a de-facto standard, for the Vasont CMS.

To reap the benefit of extended character sets, but minimize the storage requirements for the Oracle database, use the following character set information when creating the Oracle database instance that will house the Vasont database schema:

**Database Character Set:** UTF8 - Unicode 3.0 UTF-8 Universal character set, CESU-8 compliant  
(Do not confuse this character set with the AL32UTF8 character set)

**National Character Set:** AL16UTF16 - Unicode UTF-16 Universal character set

If you have an existing Oracle database instance that does not use the Unicode-compliant character set, the Vasont CMS can continue to be used without problems. When creating new Oracle database instances for use with Vasont, however, please use these settings (the database character sets cannot be changed in an existing Oracle instance).

## Oracle Database Components

The Vasont CMS leverages the following Oracle components that are freely available for all Oracle database editions and platforms. These components can be selected during the creation of an Oracle database instance or added to an existing Oracle database instance at a later time:

Component	Usage
Oracle Text	Provides the foundation for performing case-insensitive, word-based queries within the Vasont CMS programs. With this component available, Vasont users can query for content using syntax similar to web search engines.
Oracle JVM	Provides the foundation necessary to implement Vasont's Server-Side Processing features. With this component available, intensive Vasont processes can be offloaded to the Oracle database engine and processed asynchronously (which avoids "tying up" a user's Vasont session while processing is in progress).

You can determine whether these database components are available in an existing Oracle database instance by querying the DBA\_REGISTRY table:

```
SELECT comp_name, version, status FROM dba_registry;
```

Verify that the STATUS column in the query results indicates VALID for the Oracle Text and JServer JAVA Virtual Machine components. If these components are not listed, or do not show as VALID, consult the Oracle documentation or Oracle support for instructions regarding the (re)installation of the components.

## Oracle Supplied PL/SQL Packages

Vasont Release ST requires several of the "Oracle Supplied" PL/SQL packages to be installed and available to the Vasont schema owner (the Oracle user that "owns" all of the Vasont database schema objects). The PL/SQL package requirements are:

- DBMS\_JOB
- DBMS\_OBFUSCATION\_TOOLKIT
- DBMS\_STATS
- UTL\_RAW
- UTL\_SMTP
- UTL\_TCP

Typically, all of these packages are automatically installed when creating an Oracle instance. Additionally, execute permissions are typically granted to the PUBLIC role during instance creation. It is recommended, however, that you confirm the availability of these packages in case they have been dropped or disabled.

To verify that these packages are available, start *SQL\*Plus* and establish a connection to the Oracle instance that houses (or will house) the Vasont database schema. Execute the following command for each of the packages listed above (where {PackageName} is the name of the package to verify):

```
DESCRIBE {PackageName};
```

If the package is available, you will see a listing of the package procedures, functions and arguments. If the package is not available, you will receive an "ORA-04043: object {PackageName} does not exist" message. If a package is unavailable, consult the Oracle documentation or Oracle support for instructions regarding the (re)installation of the package.

## Oracle Job Queue

The Vasont CMS relies on Oracle's job queue (managed via the DBMS\_JOB package) to schedule a wide variety of content maintenance jobs. These jobs include the management or Oracle Text indexes, automating processes for Vasont's notification features and support services for Vasont's project management features.

The Oracle job queue is included in the core of the Oracle database engine. In order to use job queues, however, the Oracle JOB\_QUEUE\_PROCESSES initialization parameter must be set to a non-zero value. Consult your Oracle documentation for details regarding setting or changing the JOB\_QUEUE\_PROCESSES initialization parameter. Vasont Systems recommends setting the JOB\_QUEUE\_PROCESSES parameter to a value of 10 (or higher).

## Guidelines – Vasont Client PCs and Servers

The following sections outline the additional software that is required, and recommended software, for PCs and servers that will host the Vasont Release ST client software.

### Required Software

The following software is required for Vasont Release ST to operate properly on a host PC or server. Some of the required software must be installed on the host prior to the actual Vasont Release ST installation. Other required software will be automatically installed, during the Vasont installation process, as needed.

### Microsoft Windows Operating System

Vasont Release ST consists of Microsoft Windows applications and requires, at a minimum, the Microsoft Windows Vista operating system. Windows 7 and Windows Server 2008 are also supported operating systems.

**The Vasont ST Client is not compatible with Windows 8/8.1.**

The Vasont CMS can also be installed in Windows Terminal Services or Citrix environments, assuming the underlying operating system meets the minimal operating system requirements.

**NOTE:** Vasont Release ST can be hosted on 64-bit Microsoft Windows operating systems without problems. However, the Vasont applications will run as 32-bit applications in the Windows WOW64 subsystem.

### Oracle Net Services

For Vasont Release ST, Oracle Net Services (also known as "Oracle Client") version 10.2.0.3 (or higher) must be used to establish connectivity between the Vasont applications installed on the host PC or server and the Oracle instance housing the Vasont database schema. To verify whether an appropriate version of Oracle Net Services is available, use one of the following methods:

#### Oracle Universal Installer

If the *Oracle Universal Installer* is available on the host PC or server, or if you have a CD available that contains the *Oracle Universal Installer*, use the **Installed Products...** button to view a list of installed Oracle components. Locate the Oracle Net Services entry in the list of installed products and verify that the version is 10.2.0.3 or higher.

#### Oracle TNSPING Utility

When Oracle Net Services are installed on the host PC or server, a command line utility called TNSPING is included with the installation. Open a Windows Command Prompt, and then enter the following command at the command line:

tnsping

The banner for the TNSPING Utility will include a version number – Verify the version is 10.2.0.3 or higher.



## **OCI.DLL Properties**

Using the Windows Explorer on the host PC or server, locate the file OCI.DLL (located in the **bin** folder under the Oracle Home). Right-click the mouse on OCI.DLL and then select the **Properties** option. Switch to the **Version** tab and then select the **File Version** entry in the **Other version information** box – Ensure the value indicated for **File Version** is 10.2.0.3 or higher.

**IMPORTANT:** *An appropriate version of Oracle Net Services must be installed on the host PC or server prior to the Vasont Release ST installation!*



If Oracle Net Services 10.2.0.3 or higher is not installed, contact your Oracle DBA or IT department to assist with the installation of Oracle Net Services on the host PC or server.

**IMPORTANT:** *If an older version of Oracle Net Services is installed on the host PC or server, Vasont Systems highly recommends uninstalling the earlier version and then installing an appropriate version!*



When different versions of Oracle Net Services are installed on a single PC or server simultaneously, multiple Oracle “homes” exist. Multiple Oracle homes will likely undermine Vasont’s ability to connect to the Vasont database schema reliably.

If you have any difficulties in ascertaining the version of your Oracle Net Services (also known as “Oracle Client”), contact your Oracle DBA, IT department or Vasont Systems for assistance.

## **Microsoft Internet Explorer**

For Vasont Release ST, Microsoft Internet Explorer version 8.0 (or higher) is required and must be installed on the host PC or server. Alternatively, you can download the latest version of Microsoft Internet Explorer from <http://windows.microsoft.com/en-us/internet-explorer/download-ie>.

**NOTE:** It is common practice to disable the use of Internet Explorer, for web browsing purposes, in Windows Terminal Services and Citrix environments. Vasont Release ST only requires that Internet Explorer be installed – No connection to the internet is actually required.

## **Editing and Authoring Tools with Vasont Integration**

If you have purchases and intend to use the Vasont Universal Integrator (VUI) with editing or authoring tool(s), the tool(s) must be installed prior to the Vasont Release ST installation. Examples of authoring or editing tools that support Vasont integration include, but are not limited to:

- Adobe FrameMaker 7+
- PTC Arbortext Editor 5.3+
- SyncroSoft Oxygen XML 13+
- JustSystems XMetaL 5+

When an authoring or editing tool integration package is selected in the Vasont Installer, the installer will automatically verify that the tool is already installed on the host PC or server. If the authoring or editing tool is not installed, the Vasont Installer will not allow you to install the integration.

**NOTE:** Vasont’s editing or authoring tool integration is only available on the Vasont Installer if your organization has purchased a VUI license or if your organization utilizes a custom integration package that was previously provided by Vasont Systems.

## **LDAP ActiveX Client (Only Required for LDAP Authentication)**

The use of LDAP Authentication in Vasont requires a third-party ActiveX control that must be purchased and licensed through the control’s vendor. If you are interested in using LDAP Authentication with your Vasont applications, refer to the [Vasont\\_InstallationConfigurationMaintenance \(Appendix E\)](#) document that is located on



your Vasont Installer (**Installation and Configuration**). This supplementary document includes details on procuring the LDAP ActiveX Client control and instructions for configuring LDAP Authentication with your Vasont applications.

**NOTE:** LDAP ActiveX Client is only required if you want to authenticate your Vasont users against an LDAP directory. Vasont users can always be authenticated against Oracle with no additional software needed.

## Other Required Software

The Vasont Release ST installer will automatically check for the following software on the host PC or server:

- Arial Unicode MS font
- Microsoft Windows Scripting 5.6 or higher
- Microsoft .NET Framework 2.0 (See **IMPORTANT** below)
- Microsoft Visual C++ 2005 Redistributable Package
- Microsoft Visual C++ 2008 Redistributable Package

If this software is not detected on the host PC or server, it will automatically be installed during the Vasont Release ST installation process.

**IMPORTANT:** *Compatibility issues have been known to exist between the Microsoft .NET Framework 2.0 and Business Contact Manager for Microsoft Outlook 2003!*



If you are using Business Contact Manager for Microsoft Outlook 2003 and experience problems after the installation of the Microsoft .NET Framework 2.0, contact Microsoft Customer Support for assistance with resolving the issue.

## Recommended Software

The following software is not required to use Vasont Release ST, but it highly recommended.

### Adobe Acrobat Reader

Portions of the Vasont Release ST documentation (including these Release Notes) are provided in Adobe Acrobat (PDF) form. During the Vasont installation process, the Vasont Installer will automatically check for Adobe Acrobat. If Adobe Acrobat or Acrobat Reader is not available, you will be given the opportunity to install Adobe Acrobat Reader from the Vasont Installer. Alternatively, you can pre-install Acrobat Reader from the Vasont Installer (folder **Adobe\Acrobat Reader**) or download and install Acrobat Reader from <http://get.adobe.com/reader>.

## Optional Software

The following software is not required to use Vasont Release ST. However, you may find this software to be useful depending on the variety of content that is being managed, or will be managed, in the Vasont CMS.

### Ghostscript

Within Vasont, there are two areas of functionality that can utilize Ghostscript. The first area involves the Digital Asset and Document Management features. As part of these features, Vasont is capable of showing images and documents that are based on the PostScript format (including Adobe Illustrator (AI) images, Adobe Acrobat (PDF) documents, PostScript (PS) files and Encapsulated PostScript (EPS) files). Vasont will require Ghostscript to be installed in order to view these file types.

Secondly, Vasont is capable of saving reports to an Adobe Acrobat (PDF) file using a **Save As...** menu option in Vasont's reporting modules. To save reports in a PDF format using the **Save As...** menu option, Ghostscript must be installed on the host PC or server.

Due to licensing restrictions, Vasont Systems cannot directly provide Ghostscript on the Vasont Installer CD-ROM. You can, however, download Ghostscript from <http://pages.cs.wisc.edu/~ghost/>.

**IMPORTANT:** *If you are downloading Ghostscript, be sure to obtain GPL Ghostscript for 32-bit Windows!*



Regardless of whether the host PC or server is running a 32-bit or 64-bit version of Microsoft Windows, the 32-bit version of GPL Ghostscript is required. The Vasont CMS applications are 32-bit and only capable of interfacing the 32-bit external programs.

**IMPORTANT:** *Vasont Systems recommends the use of GPL Ghostscript version 8.54 or higher.*



The Digital Asset and Document Management and report PDF generation features may work with earlier release (or versions provided by other vendors), but this functionality has not been tested with all Ghostscript packages.

If your organization is storing and managing PostScript (PS) files or Encapsulated PostScript (EPS) files in the Vasont CMS, you may also want to use a Ghostscript companion program called GSview. GSview provides a graphical interface for Ghostscript and can be downloaded from <http://pages.cs.wisc.edu/~ghost/gsview/index.htm>.

## Installation Tasks

To prepare your Vasont database schema for use and install the Vasont Release ST components on a host PC or server, follow the instructions provided in the following sections.

### ***New Vasont Customers – Installing the Vasont Schema***

If Vasont Systems has provided your initial Vasont database schema in conjunction with this Vasont Release ST delivery, detailed instructions for installing the Vasont database schema and preparing it for use can be found in the [Vasont\\_InstallationConfigurationMaintenance](#) PDF document (\\Installation and Configuration folder on your Vasont Installer). Your Oracle Database Administrator (DBA) must complete Creating a New Vasont Schema from an Oracle Export, per the provided instructions, before you proceeding on to the [Installing Vasont Components on a Host PC or Server](#) section below.

### ***Existing Vasont Customers – Upgrading the Vasont Schema***

Upgrading to Vasont Release ST requires the Oracle Database Administrator (DBA), or other personnel with administrative rights to Oracle and the Vasont schema, to execute a series of SQL scripts against the existing Vasont database schema. If you are currently using Vasont's Server-Side Processing features, actions must also be taken to re-install and re-configure Server-Side Processing support in the Vasont database schema.

**IMPORTANT:** *Before running any of the processes outlined in this section, Vasont Systems highly recommends that you back up your existing Vasont database schema!*



In the event upgrade processes are not run in the appropriate order or result in unanticipated errors, having a backup ensures you can restore the Vasont CMS to an operational capacity.

**IMPORTANT:** *All Vasont users should be logged off of the system and notified that the Vasont CMS will be unavailable until the Vasont Release ST upgrade process is complete!*



Failure to ensure that all Vasont users are disconnected could result in failures during the Vasont database schema upgrade and can undermine the integrity of your schema backup.

## Shutting Down Server-Side Processing Jobs

**NOTE:** This section is only applicable if your organization is currently using the Vasont Server-Side Processing features. If you are not sure if these features are in use, proceed with the instructions in this section to determine if there are any Server-Side Processing jobs running. If so, shut down those jobs and be sure to complete the **Re-Installing Server-Side Processing Support** section below.

Vasont ST includes several updates to the Server-Side Processing features, necessitating that all Server-Side Processing jobs be stopped prior to upgrade. If you are currently using a Vasont ST release and the Server-Side Processing features are in use, complete the steps in this section to stop (shut down) the Server-Side Processing jobs:

1. Start *SQL\*Plus* and establish a connection to the database as the Vasont schema owner.
2. To determine if any Server-Side Processing jobs are current running, run the following SQL statement from the *SQL\*Plus* `SQL>` prompt and review the results:

```
SELECT job, what FROM user_jobs;
```

3. Compare the results of the query to the following table, noting the contents of the **WHAT** column – This table reflects the action (command) required to shut down each type of job:

If Value in <b>WHAT</b> Column Reflects:	Use the Following Command to Stop the Job(s):
<code>RunAsynchProcessManager () ;</code>	<code>EXECUTE ShutdownAsynchManager ('VASONT') ;</code>
<code>ASYNCHPROCESSES.INTERNAL_MANAGER_STARTER;</code> and/or <code>ASYNCHPROCESSES.INTERNAL_RUN_MANAGER;</code>	<code>EXECUTE ASYNCHPROCESSES.SHUTDOWN_MANAGER () ;</code> <b>NOTE:</b> Multiple copies of <code>INTERNAL_RUN_MANAGER</code> may be running simultaneously. They will each shutdown after they complete any pending tasks.
<code>CaptureMetadata (...)</code>	<code>EXECUTE DBMS_JOB.remove ({JobNumber}) ;</code> For <code>{JobNumber}</code> , substitute the job number reflected in the query results (the value in the <code>JOB</code> column)
<i>Other</i>	<i>Job does not need to be stopped</i>

4. At the *SQL\*Plus* `SQL>` prompt, run the appropriate command to stop a `RunAsynchProcessManager`, `ASYNCHPROCESSES` and/or `CaptureMetadata` job that was listed in the query results.
5. Repeat step 4 for each additional `RunAsynchProcessManager`, `ASYNCHPROCESSES` and/or `CaptureMetadata` job that was listed in the original query results.
6. After stopping all of the `RunAsynchProcessManager`, `ASYNCHPROCESSES` and/or `CaptureMetadata` jobs, issue a commit at the `SQL>` prompt:

```
commit;
```

7. Repeat steps 2 through 6 until you have confirmed that all `RunAsynchProcessManager`, `ASYNCHPROCESSES` and/or `CaptureMetadata` jobs have been removed from Oracle's job queue.

## Running the Vasont Upgrade SQL Scripts

The Vasont Installer, on which this document resides, includes a group of folders containing the scripts necessary to upgrade your Vasont database schema to the latest release level. This group of folders, all residing under the **SQL** folder on the Vasont Installer, typically uses the following naming convention:

dbconvWW.XX.YY.ZZ

With this naming convention, WW.XX.YY.ZZ represents the Vasont version number for which the scripts were developed, where WW denotes the major release, XX indicates the revision level, YY designates the patch level, and ZZ designates the sub-patch level. Depending on the version of Vasont that you are currently using, there may be many (or just a few) upgrade script folders under the **SQL** folder on the Vasont Installer. Before shipping your Vasont Installer, Vasont Systems determined your current Vasont version and has provided only the required upgrade script folders.

Within each upgrade script folder, there is a single, master script that “bundles” all of the other scripts in the folder – This master script is the only script that needs to be run from each upgrade script folder. The master scripts typically use the following naming convention:

WWXXYYZZ\_scripts.sql

WWXXYYZZ once again represents the Vasont version number for which the scripts were developed, where WW denotes the major release, XX indicates the revision level, YY designates the patch level, and ZZ designates the sub-patch level.

**IMPORTANT:** *The group of upgrade script folders under your **SQL** folder may include scripts for earlier Vasont releases as well as Vasont Release ST (depending on the version of Vasont currently in use). It is crucial that all of the scripts provided are processed in version order!*



Vasont Systems recommends that you create a version-ordered checklist consisting of all the upgrade scripts folders on your Vasont Installer. Check off each item on the list as the scripts from the folder are processed.

Instructions for running the upgrade scripts, and examples, follow. Typically, these scripts will be run from either *SQL\*Plus*, or the *SQL\*Plus Worksheet*, depending on what Oracle tools are available to the DBA:

### Running Upgrade Scripts using SQL\*Plus

1. Start *SQL\*Plus* and log in as the Vasont database schema owner.
2. At the SQL> prompt, enter the following command:

```
@{InstallerLoc}\SQL\{ScriptFolder}\{MasterScript}
```

Where {InstallerLoc} denotes your CD-ROM drive designation (e.g., E:) or the location to which the Vasont Installer image was downloaded, {ScriptFolder} denotes an upgrade script (dbconvWW.XX.YY.ZZ) folder and {MasterScript} denotes the master script (XXYYZZ\_scripts.sql) file within the upgrade script folder.

3. Repeat step 2 for all the script folders provided on the Vasont Installer – *Be sure to keep track of which upgrade script folders you have processed and to execute the scripts in version order!*

Refer to the **Example – SQL\*Plus** section below for an example scenario using *SQL\*Plus*.

### Running Upgrade Scripts using SQL\*Plus Worksheet

1. Start the *SQL\*Plus Worksheet* application and log in as the Vasont schema owner.
2. Select the **Worksheet → Run Local Script...** menu option.

3. Navigate to the appropriate upgrade script (dbconvWW.XX.YY.ZZ) folder on your Vasont Installer.
4. Select the master script (XXYYZZ\_scripts.sql) file for the folder – The script will automatically run.
5. Repeat steps 2 through 4 for all the script folders provided on the Vasont Installer – *Be sure to keep track of which upgrade script folders you have processed and to execute the scripts in version order!*

Refer to the [Error! Reference source not found.](#) section below for an example scenario using *SQL\*Plus*.

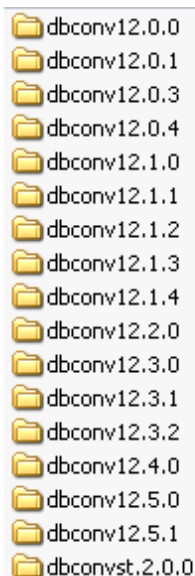
### **Example – SQL\*Plus**

**IMPORTANT:** *The following example is provided for illustration purposes only! Do not assume that the upgrade script folders listed in this example reflect the script folders that you need to process!*



You need to examine the contents of the **SQL** folder on your Vasont Installer and ensure you process the upgrade script folders (contained therein) in version order!

Assume the **SQL** folder on your Vasont Installer contained the following upgrade script folders:



- dbconv12.0.0
- dbconv12.0.1
- dbconv12.0.3
- dbconv12.0.4
- dbconv12.1.0
- dbconv12.1.1
- dbconv12.1.2
- dbconv12.1.3
- dbconv12.1.4
- dbconv12.2.0
- dbconv12.3.0
- dbconv12.3.1
- dbconv12.3.2
- dbconv12.4.0
- dbconv12.5.0
- dbconv12.5.1
- dbconvst.2.0.0

For example, if you need to update your schema from 12.3.2 to ST.2.0.0. Based on this list of upgrade script folders, and assuming that the CD-ROM containing the Vasont Installer is assigned drive letter E, you would individually (and sequentially) run the following commands in *SQL\*Plus* (note the version order):

```
@E:\SQL\dbconv12.4.0\1240_scripts.sql
@E:\SQL\dbconv12.5.0\1250_scripts.sql
@E:\SQL\dbconv12.5.1\1251_scripts.sql
@E:\SQL\dbconvst.2.0.0\200_scripts.sql
```

## **Re-Installing Server-Side Processing Support**

If Vasont's Server-Side Processing features (e.g., Server Load, Server Clone, etc.) are currently in use at your facilities, the Server-Side Processing support (Java Classes) must be re-installed in your Vasont database schema. At this time, refer to the [Vasont Installation Configuration Maintenance \(Appendix C\)](#) document on your Vasont Installer (\\Installation and Configuration folder) and complete the processes outlined in that document. The installation and configuration of the Multimedia Metadata Capture extension (to the Server-Side Processing feature)

is optional, but you may want to consult the Vasont System Administrator and/or Vasont user community to see if the extension is desired.

**IMPORTANT:** *If you are currently using Vasont's Server-Side Processing features, you must re-install and re-configure the Server-Side Processing support at this time!*



Failure to do so will lead to run-time errors during any Server-Side Processing. Vasont Release ST extensively modifies the Java Classes and other objects that are used to support the Server-Side Processing feature.

## Analyzing the Vasont Database Tables

Vasont Systems has provided an analyze script for the objects in the Vasont database schema. Periodically analyzing the objects in the Vasont database schema will help boost Vasont performance by providing the Oracle Cost-Based Optimizer (CBO) with statistical information about the Vasont objects and data distribution.

1. Start *SQL\*Plus* and log in as the Vasont database schema owner.
2. At the *SQL>* prompt, enter the following command:

```
@{InstallerLoc}\SQL\analyze_oracle11+.sql
```

*{InstallerLoc}* denotes your CD-ROM drive designation (e.g., E:) or the location to which the Vasont Installer image was downloaded.

If your Vasont database goes through periods of high usage (especially the loading of new content), the appropriate analyze script should be run to refresh the Vasont Schema's statistics. If desired, the contents of these script files can also be scheduled for periodic execution using Oracle's DBMS\_JOB or DBMS\_SCHEDULER package.

## Installing Vasont Components on a Host PC or Server

Before Vasont ST can be used by your organization, the Vasont Release ST components need to be installed on each user's PC (if using Vasont in a traditional Client/Server environment) or the server (if using Vasont in a Terminal Services or Citrix environment).

**IMPORTANT:** *Vasont users should not access the upgraded Vasont database schema until the Vasont Release ST components have been installed on their PC or on the server!*



All of the upgrade steps outlined in this section must be completed before users begin accessing Vasont Release ST.

To install the Vasont Release ST components on a host PC or server, use the following procedure:

1. If you obtained your Vasont Release ST Installer on CD, insert the Vasont Installer CD into the CD-ROM drive – The Vasont Installer should start automatically.
2. If the Installer does not automatically start, or if you are installing Vasont from a downloaded Vasont Installer image, run the **setup.exe** program located in the root folder of the CD (or image).
3. For the **Welcome** window, click the **Next >** button.
4. You will be asked whether you want to review the Vasont ST Release Notes – Since you are already familiar with the contents, you can simply click the **No** button.



- For the **Choose Destination Location** window, specify the desired **Destination Directory** in which Vasont Release ST is to be installed.

**NOTE:** If an earlier release of Vasont was previously installed on the host PC or server, Vasont Systems recommends that you install Vasont Release ST in the same location (the Installer will automatically sense and use the location of an earlier release by default). You can opt to install Vasont Release ST to an alternate location – To do so, simply provided an alternate **Destination Directory** in the **Choose Destination Location** window.

**IMPORTANT:** *Before deciding to install Vasont Release ST to an alternate location (a different folder than your current Vasont release), be sure that you have reviewed and understand the limitations that will result for the earlier Vasont release!*



See the **Vasont Release ST Coexistence with Earlier Vasont Releases** section above for details regarding the limitations.

Once you have specified the desired **Destination Directory**, click **Next >** to continue the installation process.

- For the **Select Components** window, select (place a checkmark beside) the **Components** that are to be installed on the host PC or server and click the **Next >** button.
- For the **Ready to Install** window, click the **Next >** button to begin the installation process.
- The Vasont Installer will guide you through the rest of the installation process.
- If the Vasont Installer prompts you to reboot, please do so – *Certain Vasont components will not be registered properly until the host PC or server is rebooted!*

Once the Vasont Installer completes (and the system has been rebooted, if applicable), Vasont Release ST is available for use from the host PC or server. *If you are using Vasont in a traditional Client/Server environment, be sure to install the Vasont Release ST components on all of the Vasont users' PCs!*

## Known Limitations

The following limitations are known to exist in Vasont Release ST.

### ***Non-Latin Characters in Vasont Title Bars and Menus***

Internally, Vasont applications are fully capable of showing content from any language (character set). However, these programs are not capable of exerting control on native Microsoft Windows objects that are used within Vasont, such as window and dialog title bars, menus and message box content.

If you have a need to view non-Latin content (e.g., Chinese, Japanese, Greek, etc.) in these types of Microsoft Windows objects, you can manipulate the Windows display settings on the host PC or server. From the Windows desktop, select **Start → Control Panel → Display**. From the **Appearance** tab, adjust the following items to use the “Arial Unicode MS” font (you may need to click the **Advanced** button to access the list of items):

- **Active Title Bar**
- **Inactive Title Bar**
- **Menu**
- **Message Box**

After applying these changes to the Microsoft Windows environment, Vasont items such as window title bars and message boxes will be able to show non-Latin languages.



## ***Saving Reports as Adobe Acrobat (PDF) Documents***

When Vasont reports are saved to an Adobe Acrobat (PDF) file (using the **Save As...** option in the Vasont report module), a raster (rather than a vector) PDF will be created. It is therefore not feasible to perform textual searches, or to perform copy and paste operations, using the generated PDF.

If a vector PDF of Vasont report content is desired, Adobe Acrobat Distiller or the Adobe PDFWriter “virtual printer” can be installed on the host PC or server. Vasont reports can then be printed to the “virtual” printer, resulting in a vector Adobe Acrobat document.

## **Uninstalling Vasont Release ST**

The Vasont Installer will automatically create an Uninstall shortcut for the current Vasont release in both the Vasont program group (under the Windows Start menu) and the Windows “Add or Remove Programs” Control Panel. These shortcuts should be used to uninstall Vasont.

To uninstall Vasont Release ST from the host PC or server, either of the following methods can be used:

- From your Windows desktop, select **Start → All Programs → Vasont → Uninstall Vasont ST**
- or
- From the Windows desktop, select **Start → Control Panel → Add or Remove Programs**. Locate the Vasont ST entry and click the Change/Remove button.

With either technique, confirm that you want to remove Vasont Release ST – All of the Vasont Release ST components will automatically be removed from host PC or server.

## **Vasont API Hot fix - Windows 7 and 2008**

On July 25, 2012, Vasont Systems reported that two (2) recent Microsoft Windows updates undermine the Vasont API's ability to retrieve certain information from the Vasont CMS. The two (2) Windows updates involved with this issue were:

- Security Update for Microsoft Windows (KB2698365), Published: 7/10/2012
- Hotfix for Microsoft Windows (KB2640696), Published: 2/13/2012

Update KB2698365 was included with, and deployed by, the Windows Automatic Updates feature and will likely be installed automatically. Update KB2640696 (a predecessor to, and superseded by, KB2698365) will only be installed if it was specifically downloaded and installed at the users' request. The presence of one or both of these updates on the affected platforms (see below) may render certain applications that use the Vasont API (whether provided by Vasont Systems or developed in-house) inoperative.

### **Permanent Fix is Now Available!**

#### ***Affected Platforms***

Vasont Systems has confirmed that the KB2698365 and KB2640696 updates will affect the Vasont API on the following platforms:

- Windows 7 (all versions)
- Windows Server 2008 (all versions)

The following platforms are not affected (will operate properly with KB2698365 and/or KB2640696 installed):

- Windows Vista (all versions)
- Windows Server 2003 (all versions)

***Affected Vasont Components and Behavior***

On any of the affected platforms, the presence of the KB2698365 and/or KB2640696 update will prevent the Vasont API from being able to return a “Result Set” (ADO Recordset). Common Vasont System components that utilize the API include:

- Vasont Universal Integrator (VUI) for any editing environment
- Vasont Connectors (also known as Vasont Daemons) used for Translation, Publication or other Automation purposes
- Vasont Batch Extract and Load processes run “In Background”

The failures triggered by KB2698365 and KB2640696 will vary, but will typically manifest as a lack of results (i.e., empty Workflow lists of Navigators in the VUI) or processing capability (i.e., unable to update the Vasont Database from the VUI). Vasont Connectors (Daemons) will likely throw an exception, with messages similar to “Exception from HRESULT: 0xFFFFFDF2B”.

***Permanent Fix***

If you are currently experiencing this issue, or experienced this issue in the past and removed problematic update(s), a permanent fix for the problem is now available for download from Microsoft. A link to the hot fix download, background information and installation instructions can be found at <http://support.microsoft.com/kb/2734642>.

**IMPORTANT:** This hot fix is only available for download and will not be deployed as part of any Windows Automatic Updates cycle!