Patch-050666.01

Installation Guide

aras corp ®

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Document Conventions

The following table highlights the document conventions used in the document:

Table 1:   Document Conventions

Convention	Description
Bold	This shows the names of menu items, dialog boxes, dialog box elements, and commands. Example: Click **OK**.
`Code`	Code examples appear in `courier` text. It may represent text you type or data you read.
`Yellow highlight`	Code with yellow highlight is used to draw attention to the code that is being indicated in the content.
`Yellow highlight with red text`	Red color text with yellow highlight is used to indicate the code parameter that needs to be changed or replaced.
Italics	Reference to other documents.
Note:	Notes contain additional useful information.
Warning	Warning contains important information. Pay special attention to information highlighted this way.
Successive menu choices	Successive menu choices may appear with a greater than sign (-->) between the items that you will select consecutively. Example: Navigate to **File** --> **Save** --> **OK**.

1 Overview

The steps outlined in this document describe how to install Patch-050666.01 for Aras Enterprise Search. These changes affect the Aras Innovator code tree and database, and Aras Enterprise Search Agent Service.

The patch includes the following:

Issue Number	Description
IR-050666	Fixed an error where File text was being indexed and displayed incorrectly in Enterprise Search results.
IR-050667	Fixed an error that prevented Enterprise Search Crawler from resolving restrictions when ES Admin Identity did not have GET permissions.

2 Prerequisites

In order to apply Patch-050666.01 to Aras Enterprise Search, you will need to confirm that your software is currently eligible for this application.

2.1 Checking for Eligibility

Please use the following steps to check if your code tree and database are eligible to apply Patch-050666.01.

1. Log in to Aras Innovator as an administrator.
2. Go to **Help --> About**.
3. Confirm that the window shows the following Aras Innovator Version: 11.0 SP9.
4. Confirm that the window show the following Build number: 6549.
5. Confirm that the window shows the following MSBuild Number: 000000.00.
6. Log in to Aras Innovator as an administrator.
7. From the TOC, select **Administration--> Variables**.
8. Confirm that the following set of variables is listed:

Version Major	Version Minor	Version Build	Version ServicePack	MSBuildNumber
11	0	0	SP9	000000.00

9. Confirm that Aras Enterprise Search is installed.

If you do not meet the service pack requirements listed in the previous steps, then you should contact Aras Support to discuss your options.

3 Applying Patch-050666.01

This section walks you through modifying the database and code tree. Before applying these changes, you should confirm you have all required components.

Requirements:

- Aras Enterprise Search 11.0 SP9

- Aras Innovator Package Import Export Utilities

3.1 Notification and Backup

1. Notify users that the system will be down at a scheduled time, and that they should log out of the system prior to the start of the process.

   It is best to give at least a 24-hour notice, as well as a reminder 15 minutes prior to taking the system off-line.

2. Back up the code tree:

   The 'Code Tree' refers to files and folders installed to the disk when Aras Innovator was first installed.

   The default path for the Code Tree installation would be something similar to:
   `C:\Program Files(x86)\Aras\Innovator`
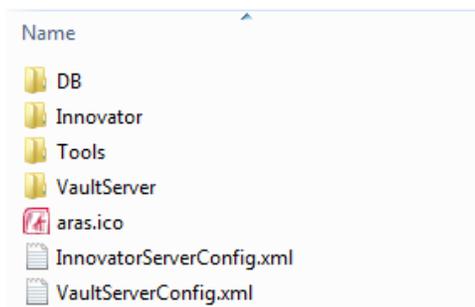
Figure 1.

   You can confirm the installation folder with the following steps:

   a. From the Start Menu, select **Start --> Setting --> Control Panel**.
   b. From the Control Panel, select **Programs and Features**.
   c. Search for the Aras Innovator entry.

      The entry should display the physical installation path.

   Once you have determined where the code tree is installed, backup the folder and all of its contents.

3. Back up Aras Agent Service.

   The default path for the Agent Service installation would be something similar to:
   `C:\Program Files (x86)\Aras\EnterpriseSearch\ArasES_Agent_InnovatorServer`
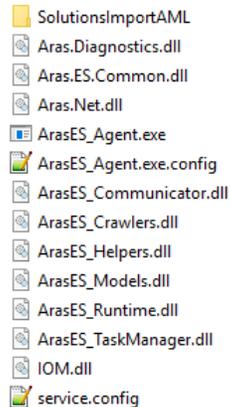
Figure 2.

4. Disconnect all users from the database.

    The easiest way to prevent client sessions from committing any further changes to the database is to change the database connection string in the InnovatorServerConfig.xml from "<DB-Connection…" to <xDB-Connection" and restart the w3svc service(IIS). This expires all sessions and prevents all new connections to the Aras Innovator database through the existing instance.

5. Backup the database.

    Place this file in a safe location, as it is necessary to restore from it if the application fails.

6. Enable database connections

    After your database backup has completed, you can enable the database connection string in the InnovatorServerConfig.xml by simply changing it from "<xDB-Connection…" to <DB-Connection" and restarting the w3svc service (IIS).

3.2 Applying the Solution

1. Stop Aras Enterprise Search Agent Service.

2. Copy the 2 dll files from `\ArasES_Agent` folder into the Aras Enterprise Search directory, overriding existing files.

    The default path for the Agent Service installation would be something similar to:
    ```
    C:\Program Files
    (x86)\Aras\EnterpriseSearch\ArasES_Agent_InnovatorServer
    ```

3. Using MS SQL Server Management Studio, run the following update statement against the Aras Innovator database:
    ```
    UPDATE innovator.[FILE] SET INDEXED_ON = NULL
    ```

4. Start Aras Enterprise Search Agent Service.

5. Copy the `\Innovator` folder to the root of your install directory.

6. From the root of your code tree, navigate to `\Innovator\Client` and edit the `web.config` file.

    a. Change the value of the `filesRevision` attribute. The value should be increased from `std` to `2`, `3`, `4`, etc

        . . .

```
        </runtime>
    <cachingModule moduleEnabled="true" filesRevision="2" />
<fireFoxConfig>
```

    b.   Save the changes to the `web.config` file and close it.

7.   Import the database package with the Package Import Export Utilities For more information using this tool, refer to the document *Aras Innovator 11*.0 *- Package Import Export Utilities*.

    a.   You need to enable the "Super User" login to perform this step.
    b.   Browse to the `\PackageImportExportUtilities\Import\` folder and run the `Import.exe` file
    c.   Input the connection information

- **Server** = The connection URL for Aras Innovator

- **Database** = The target Aras Innovator database

- **Username** = root

- **Password** = Password for "root" login (Default is "innovator")

- **Target Release** = 11.0 SP9

- **Description** = Patch-050666.01

- **Manifest File Path** = The manifest is found in the folder `\Import\imports.mf`

  Available for Import = *Select All*

- **Type** = Merge

- **Mode** = Thorough Mode

    d.   Click the **Import** button

Note: Remember to disable the "Super User" login once complete. This login should not be enabled in production.

3.3 Confirming the Patch Installation

Use the following steps to check if database has applied the Aras Requirements Management changes to Aras Innovator, correctly.

1.   Log in to Aras Innovator as an administrator.

2.   Go to **Help --> About**.

3.   Confirm that the window shows the following Aras Innovator Version: 11.0 SP9.

4.   Confirm that the window show the following Build number: 6549.

5.   Confirm that the window shows the following MSBuild Number: 050666.01.

6.   Got to **Administration\Variables** in the TOC.

7.   Confirm the following Variables are shown:

Version Major	Version Minor	Version Build	Version ServicePack	MSBuildNumber
11	0	0	SP9	050666.01

If at any time of the installation it fails, revert to your backups and contact Aras Support at support@aras.com.

3.3.1 Rebuilding File Index

Assuming the crawlers are enabled, the rebuilding of the File index should begin immediately. End Users should start seeing updated File information after the first iteration of the ES_FileCrawler is complete. For information about ES Crawlers, refer to Section 4 of *Aras Innovator - Enterprise Search Administrator Guide*.