

Perceptive Accounts Payable Invoice eForm

Virtual Tables Migration Guide

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Overview

This document explains how to improve database performance by upgrading your AP Invoice eForm to use de-normalized tables. This process involves running the following scripts.

- `AP_VirtualTable_Purge.js` – This script purges your virtual table data.
- `AP_VirtualTable_Migrate.js` – This script backs up your virtual tables, copies existing virtual table data to the new schema, and creates new custom properties and virtual tables to match the new schema.
- `AP_VirtualTable_MigratePurge.js` – This script removes all records in the virtual table that were previously renamed during the backup process.

Migrate virtual table schema

Important It is recommended that you perform a full system backup before upgrading your AP Invoice eForm. Because the migration process may take several hours, it is recommended that you perform these steps after normal business hours.

To migrate virtual table schema, complete the following steps.

1. On the Perceptive Content Server computer, locate INTTool by accessing a **Command Prompt** window and changing the directory to `\inserver\bin`.

Note To use the 64-bit version of INTTool, change the directory to `\inserver\bin64`.

2. Complete one of the following actions.
 - If you want to retain current virtual table data, continue to the next step.
 - If you do not want to maintain current virtual table data, complete the following substeps.
 1. In a text editor, open the **`AP_VirtualTable_Purge.js`** script and locate the **`purgeList`** object.
 2. For each table that you want to purge, configure each of the following objects.
 - `name` – The name of the virtual table you want to purge.
 - `active_column` – If you want to purge by active custom property, set this value to the name of that custom property. The naming format for new schema is `Z_APW Active-<substring of table name>`. The naming format for old schema is `Z_APW Active`.
 - `active` – If you are purging based on an active custom property, set this value to true. Otherwise, set this value to false.
 - `date_column` – The custom property name for the Z_APW Date Last Updated. The naming format for new schema is `Z_APW Date Last Updated-<substring of table name>`. The naming format for old schema is `Z_APW Date Last Updated`.
 - `Numberofdays` – The integer value that determines the age of the data you want to purge.
3. Save the **`AP_VirtualTable_Purge.js`** script.
4. Enter the following command to run the **`AP_VirtualTable_Purge.js`** script.

```
intool --cmd run-iscript --file AP_VirtualTable_Purge.js
```

3. To migrate the virtual table schema and data, enter the following command to run the **AP_VirtualTable_Migrate.js** script.

```
intool --cmd run-iscript --file AP_VirtualTable_Migrate.js
```

This script retains current virtual table data by renaming each virtual table name. It also creates a new set of unique custom properties and new virtual tables and then associates the two of them.

4. For each newly created virtual table, in Perceptive Content **Management Console**, grant the **Use** privilege to the appropriate users and groups.
5. Optional. If you exported your virtual table data before the migration process, complete the following substeps.
 1. Verify your virtual table data is stored in the directory that you defined as the **inputpath** in the **AP_VirtualTable_Updater.xml** configuration file. For more information, refer to the “Virtual Tables CSV Files” section in the Accounts Payable Invoice eForm Supplemental Guide.
 2. Enter the following command to re-import the data.

```
intool --cmd run-iscript --file AP_VirtualTable_Updater.js
```

6. After verifying the eForm is functioning properly, enter the following command to run the **AP_VirtualTable_MigratePurge.js** script and purge the backup data.

```
intool --cmd run-iscript --file AP_VirtualTable_MigratePurge.js
```

This script removes all records in the virtual table that were previously renamed during the backup process.

7. Restart the **ImageNow File System**.
8. To remove the legacy custom properties and project types from the system, complete the following substeps.
 1. To remove the legacy project type, complete the following substeps.
 1. In the **Management Console**, in the left pane, click **Project Types**.
 2. In the right pane, select the appropriate project type and click **Remove**.
 3. Click **OK**.
 4. Repeat these steps for each project type you want to delete.
 2. To remove the legacy custom properties, complete the following substeps.
 1. In the **Management Console**, in the left pane, click **Custom Properties**.
 2. In the right pane, select the appropriate custom property and then click **Delete**.
 3. On the **Delete Property** dialog box, click **Yes**.
 4. In the **Confirmation** dialog box, click **Yes** to continue.
 5. Repeat these steps for each custom property you want to delete.
9. After the **AP_VirtualTable_MigratePurge.js** script is complete, you must reapply user and group privileges to your project types. For more information on assigning privileges, refer to the “Assign privileges to a user” and “Assign privileges to a group” topics in the *Perceptive Content Administrator Help* available on the online help.