

Syniti Solutions psaCollate

Installation, Configuration & User Guide

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Overview

psaCollate will automatically change dspMigrate process to be a case sensitive migration.

Key Features:

- Ability to turn on Case Collation on several key applications
- Ability to turn on databases used within a wave to be case sensitive
- Changes will allow value mapping for migration in upper and lower case
- Changes will allow construction page case in upper and lower case
- No manual overrides required for auto-generated objects.

Install psaCollate

The application can be installed on Syniti Solutions DSP versions 7.0.6 and above

Download the Application & License

The psaCollate application and/or license are obtained by opening a support ticket at support.syniti.com.

Perform the following steps to retrieve the necessary information for a license request:

1. On the DSP application server, locate the Hardware Identifier program (called "**HardwareIdentifier.exe**") included in a zip file along with the DSP installation software and documentation previously downloaded from Syniti.
2. Open the program.
3. Click **Generate**.
4. Copy the automatically generated ID and collect the following additional information. All information below pertains to the application server running DSP; no information is needed regarding the database server:
 - a. Hardware ID (as mentioned above)
 - b. Windows computer name
 - c. Number of processor cores (as shown in the Task Manager CPU tab)
 - d. Usage of the DSP instance, as in, DEV, TEST (or QA) or PROD
5. Syniti Licensing will deliver the license file via the support ticket.

Install the License

Perform the following steps to install the license:

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1. Log in to the DSP site as an Administrator.
2. Select **Admin > Configuration > Product Licenses** in the Navigation pane.
3. Click the Upload a file icon in the **FILE NAME** column next to the Upload a New Product License link.
4. Locate the license file that was provided by Syniti Licensing.
5. Click **Open**.
6. Verify the license is uploaded.
 - a. **NOTE:** If the Navigation pane does not display all the licensed components as expected, use the browser refresh button or the F5 key to refresh the screen. At this point the full vertical menu will appear.

Install the Application

Perform the following steps to install the application:

- 1) Right click on **psaCollates.zip** and go to **Properties**. Ensure to unblock the file if it is blocked.
- 2) Unzip the file
- 3) Navigate to the DSP Installation folder (e.g. D:\BOA\DSP or C:\Program Files (x86)\BOA\DSP)
- 4) Back up the DSP Install\BOA\DSP folder to a compressed zip file
- 5) Back up all Syniti-supplied SQL Server databases or verify that a complete recent backup already exists
 - a) Supplied databases: AutoGen, cMap, cMap_Data, cMass, cMass_Data, Console, CranPort, CranSoft, DataConstructionServer, DataDialysis, DataGarage, DBMoto_Client, DGE, DGE_Data, dgReports, dgSAP, dspAddOn, DSPCommon, dspMonitor_AccPak, dspMonitorConfig, DSW, IGC, Integrate, IntegrateStaging, InterfaceServer, MC, & RADToolkit
- 6) Stop IIS

This process disconnects all active DSP users, so it is highly recommended to perform the install when no users are on the system. This process stops IIS on the web server.

 - a) Open Windows *Start* Menu.
 - b) Open the **Command Prompt** (run as an administrator).
 - c) Type: **IISReset -stop**.
 - d) Press the **Enter** key.
 - e) Leave the Command Prompt window open for later use.
- 7) Stop all services that start with "Cransoft Service ..."

This process stops all DSP background jobs, so it is highly recommended to perform the install when no scheduled operations are running on the system.

- a) Open Windows *Start* Menu.
 - b) Select **Administrative Tools**.
 - c) Run **Services**.
 - d) Right-click the DSP service.
 - e) Select **Stop**.
 - f) Repeat the previous two steps for any additional DSP services.
- 8) Copy the **Web** folder from the zip file to your existing DSP install\Web folder. If prompted, replace the files in the destination.
- 9) Copy the **Databases** folder from the zip file to your existing DSP install\Databases folder. If prompted, replace the files in the destination.
- 10) Navigate to DSP install\Databases and execute file **psaCollate_Install.bat** (run as an administrator)
- 11) Start all services that start with “Cransoft Service ...”
- a) Open Windows *Start* Menu.
 - b) Select **Administrative Tools**.
 - c) Run **Services**.
 - d) Locate the DSP service(s).
 - e) Right-click the DSP service.
 - f) Select **Start**.
 - g) Repeat the previous two steps for any additional DSP services.
- 12) Start IIS
- a) Open Windows *Start* Menu.
 - b) Open the **Command Prompt** (run as an administrator).
 - c) Type: **IISReset -start**.
 - d) Press the **Enter** key.

If the Navigation pane in DSP doesn't show psaCollate, then try these steps:

1. Log in to the DSP site as an Administrator.
2. Select **Admin > Configuration > Product License** in the Navigation pane.
 - a. Ensure that psaCollate appears here.
3. Select **Admin > Configuration > Site Menu** in the Navigation pane.

- a. Ensure that psaCollate appears here. If not, then:
 - i. Click **Add**.
 - ii. Enter a priority in the **PRIORITY** field.
 - iii. Enter **psaCollate** as the label for the site menu option in the **LABEL** field.
 - iv. Select the **psaCollate : psaCollate** page from the **LINK TO PAGE ID** list box.
4. Select **Admin > Configuration > Parameters** in the Navigation pane.
 - a. Click **Clear Cache**.
 - b. Reload the browser tab.

If you still can't reach the psaCollate application, then review the "Define Security Roles" article in the DSP Online Help to ensure that your DSP user has access to psaCollate. The DSP Online Help is accessible from the question mark icon in the top-right corner of all DSP pages. You can also open a ticket at support.syniti.com for assistance.

User Guide

Quick Checklist to Collate Change Activate

- 1) Open Page Collate Activate
- 2) Click Activate Collate Update
- 3) Click Get Wave DB Toolbar
- 4) Open Page Wave Collate
- 5) Click Apply to set all databases in the wave to case sensitive.
- 6) Go to Collect and rebuild all sources for each Target selected.
- 7) Go to AutoGen
- 8) Create all Targets, Sources and Rules to rebuild the SQL Objects
- 9) Reset Construction mappings and re-submit if mappings have been completed.

Quick Checklist to Collate Change Remove

- 1) Open Page Wave Collate
- 2) Click Remove to set all databases in the wave to case insensitive.
- 3) Repeat set for all active waves.
- 4) Open Page Collate Activate
- 5) Click Remove Collate Update
- 6) Go to Collect and rebuild all sources for each Target selected.
- 7) Go to AutoGen
- 8) Create all Targets, Sources and Rules to rebuild the SQL Objects
- 9) Reset Construction mappings and re-submit if mappings have been completed.

Collate Activate

Collate Update page will enable or remove collate changes to the DSP product.

Click on the check mark to enable the Collate process.

Click on the X to remove the collate changes to the applications.

This PROCESS DOES NOT AUTOGEN any objects already created in the dsw*, dg* or sdb* databases.

Users must re-create all objects via Collect or AutoGen objects.

The load wave process will read the current waves in console and display to the users whether a wave is case sensitive or not on the Wave Collate Page.

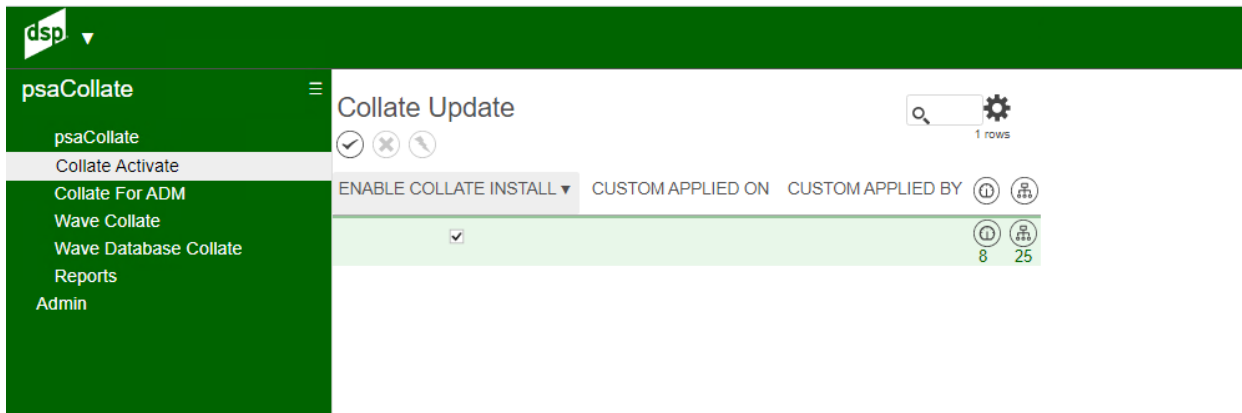


Image	Description of the process
	Enable Collate process to the dspMigrate process
	Remove Collate process to the dspMigrate process
	Load all the waves to turn on Collate per wave

Collate Change – Change SQL

Collate change settings are listed for each database on this page.

This page displays the SQL Add and the SQL Removed options for the application.

The SQL must be executed in the order of the page for the process to be successful.

The logs page shows the history of the execute for each statement.

The Collate Activate will run all these SQL commands for you.

The screenshot displays the Syniti BackOffice interface for the 'Collate Change' section. It is divided into two main panels: 'Collate Change' and 'Collate Change SQL'.

Collate Change Panel: This panel shows a list of changes with columns for NAME, PROCESS ORDER, DESCRIPTION, PRIMARY DATABASE, CUSTOM APPLIED ON, and CUSTOM APPLIED BY. The changes are numbered 1 through 8.

NAME	PROCESS ORDER	DESCRIPTION	PRIMARY DATABASE	CUSTOM APPLIED ON	CUSTOM APPLIED BY
DSPCommon Table	1	Tables & SQL Changes for DSPCommon	DSPCommon		
CMap Table	2	CMap Table Changes	cMap		
Console Objects	3	Change for Console on Collate objects	Console		
cMAP Objects	4	Map changes for Collation (Console & cMap changes must be installed before this SQL)	cMap		
AutoGen Objects	5	Auto Gen Changes only (Console & CMap changes must be installed before this SQL)	AutoGen		
psaCollate View	6	List View for psaCollate For Views	psaCollate		
DSPCommon AE Changes	7	AE Records updates	DSPCommon		
DSPCommon Profile Objects	8	Change DSP Common Objects First	DSPCommon		

Collate Change SQL Panel: This panel shows a list of SQL commands with columns for DATABASE, OBJECT NAME, CHANGE TYPE, ORDER, ACTIVE, OBJECT TYPE, and DESCRIPTION. The first entry is for the 'DSPCommon' database, object 'HDataSourceRegistry', with a change type of 'SQL REMOVE' and order 10.

DATABASE	OBJECT NAME	CHANGE TYPE	ORDER	ACTIVE	OBJECT TYPE	DESCRIPTION
DSPCommon	HDataSourceRegistry	SQL REMOVE	10	✓	Table	IF EXISTS (SELECT * FROM [DSPCommon] sys.objects WHERE ((name) = N'HDataSourceRegistry') AND ((TYPE) IN ('U'))) AND NOT EXISTS (SELECT * FROM [DSPCommon] sys.objects INNER JOIN [DSPCommon] sys.syscolumns ON [DSPCommon] sys.objects.object_id = [DSPCommon] sys.syscolumns.id WHERE ([DSPCommon] sys.syscolumns.name = N'CollationType') AND ([DSPCommon] sys.objects.name = N'HDataSourceRegistry') AND ([DSPCommon] sys.objects.[TYPE] IN ('U'))) BEGIN ALTER TABLE [DSPCommon].dbo.[HDataSourceRegistry] ADD [CollationType] [nvarchar](128) COLLATE SQL_Latin1_General_CP1_CI_AS NULL END
DSPCommon	None	SQL	20	✓	None	IF EXISTS (SELECT * FROM [DSPCommon] sys.objects WHERE ((name) = N'HDataSourceRegistry') AND ((TYPE) IN ('U'))) AND EXISTS (SELECT * FROM [DSPCommon] sys.objects INNER JOIN [DSPCommon] sys.syscolumns ON [DSPCommon] sys.objects.object_id = [DSPCommon] sys.syscolumns.id WHERE ([DSPCommon] sys.syscolumns.name = N'CollationType') AND ([DSPCommon] sys.objects.name = N'HDataSourceRegistry') AND ([DSPCommon] sys.objects.[TYPE] IN ('U'))) BEGIN ALTER TABLE [DSPCommon].dbo.[HDataSourceRegistry] DROP COLUMN [CollationType] END

Collate Change – Change SQL

Process display the objects backed up before the SQL change was applied.

The process will display the change being made to the SQL SERVER for view and procedures.

The screenshot shows the 'Collate Change' section of the psaCollate application. It features a table with columns: NAME, PROCESS ORDER, DESCRIPTION, PRIMARY DATABASE, CUSTOM APPLIED ON, and CUSTOM APPLIED BY. Below this is the 'Collate Change Log' section, which displays a table with columns: LOG ID, DATABASE, ACTION, SQL, ADDED BY, and ADDED ON. A detailed SQL statement is visible in the log entry for LOG ID 2.

NAME	PROCESS ORDER	DESCRIPTION	PRIMARY DATABASE	CUSTOM APPLIED ON	CUSTOM APPLIED BY
DSPCommon Table	1	Tables & SQL Changes for DSPCommon	DSPCommon		
CMap Table	2	CMap Table Changes	cMap		
Console Objects	3	Change for Console on Collate objects	Console		
cMAP Objects	4	Map changes for Collation	cMap		

LOG ID	DATABASE	ACTION	SQL	ADDED BY	ADDED ON
2	DSPCommon	Backup	<pre> CREATE VIEW dbo.webDataSourceRegistryVer AS SELECT dbo.tDataSourceRegistry.DataSourceID, dbo.tDataSourceRegistry.Name, dbo.tDataSourceRegistry.MigrationDataSourceType, dbo.tDataSourceRegistry.Description, dbo.tDataSourceRegistry.Active, dbo.tDataSourceRegistry.DataSourceType, dbo.tDataSourceRegistry.ServerAddress, dbo.tDataSourceRegistry.[Database], dbo.tDataSourceRegistry.UserID, dbo.tDataSourceRegistry.Password, dbo.tDataSourceRegistry.SystemType, NULL AS DatabaseSettings, CranSoft.dbo.webDataSourceCV.Audit, CranSoft.dbo.webDataSourceCV.[Index], CranSoft.dbo.webDataSourceCV.Instances, CranSoft.dbo.webDataSourceCV.[Encryption], dbo.tDataSourceRegistry.DSDDefaultConnection, dbo.tDataSourceRegistry.System, dbo.tDataSourceRegistry.WebServicesURL, dbo.tDataSourceRegistry.RepositoryName, dbo.tDataSourceRegistry.Authentication, dbo.tDataSourceRegistry.DSUserName, dbo.tDataSourceRegistry.DSPassword, dbo.tDataSourceRegistry.RequiresWebServiceAuthentication, NULL AS ApplicationServer, ... </pre>		

Wave Collate

Wave databases can be altered in a single click on this page.

The Process changes the Collate Type in dspCommon and the Target Collation in Collect.

Database objects must be regenerated for the collate change process to be complete.

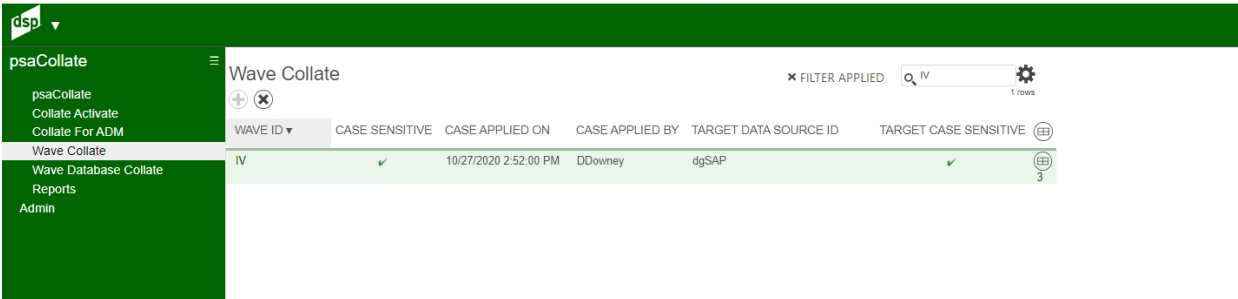


Image	Description of the process
	Enable Collate settings for the database in this wave.
	Remove Collate settings for the database in this wave.

Wave Database Collate

Display all the databases used in all waves in the current case sensitive setting.
 The process compares to the setting in dspCommon ttDataSourceRegistry table.

The screenshot shows the 'Wave Database Collate' application interface. On the left is a sidebar menu with the following items: 'psaCollate', 'Collate Activate', 'Collate For ADM', 'Wave Collate', 'Wave Database Collate' (highlighted), 'Reports', and 'Admin'. The main content area is titled 'Wave Database Collate' and includes a filter indicator 'x FILTER APPLIED', a search icon, and a gear icon with '3 rows' below it. Below this is a table with the following data:

WAVE ID	DATA SOURCE ID	CASE SENSITIVE
IV	sdbTest	✓
IV	sdbSAP	✓
IV	dswIV	✓