



[Knowledgebase](#) > [InventoryCloud Getting Started](#) > [Cloud On-Premise: Performance Maintenance of SQL Server WaspTrack Database](#)

# Cloud On-Premise: Performance Maintenance of SQL Server WaspTrack Database

Jason - 2024-12-09 - [InventoryCloud Getting Started](#)

Periodic maintenance of your WaspTrack SQL database can improve performance of AssetCloud and InventoryCloud On-Premise.

## Description

The WaspTrack database has two performance improving stored procedures that a Database Administrator may run periodically.

`spWaspBarcodeInternalDefragTenant` Decreases fragmentation of data within the WaspTrack database.  
`spWaspBarcodeInternalRecompileStatistics` Recreates indices and execution plans for the WaspTrack database.

These stored procedures are intended for use by Database Administrators or IT professional charged with care and maintenance over the Wasp SQL Server instance.

This procedure assumes familiarity with SQL Server Management Studio (SSMS).

## Frequency

Perform this maintenance if performance has slowed.

Alternatively, you might choose to run this maintenance every six months.

## Caution

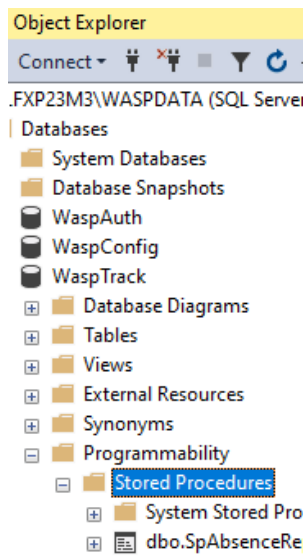
Performing any action on your production SQL databases involves risk.

Use care and take precautions such as backing up your databases before running the stored procedures.

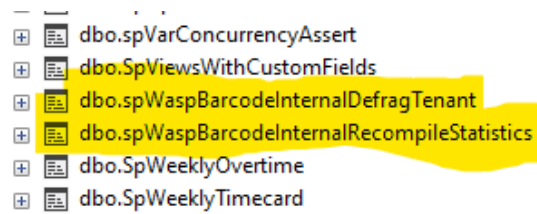
## Procedure

Use SQL Server Management Studio to connect to your Wasp SQL instance.

The stored procedures are in the WaspTrack database under Programmability / Stored Procedures.



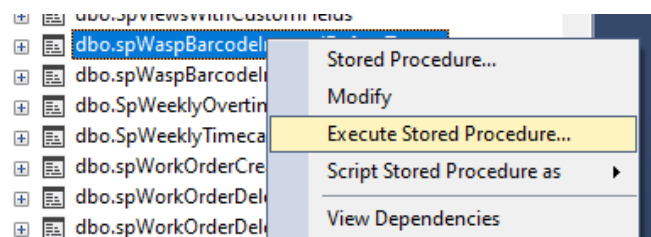
Scroll the Object Explorer until you find the procedures that begin with “dbo.SpWasp”.



DefragTenant

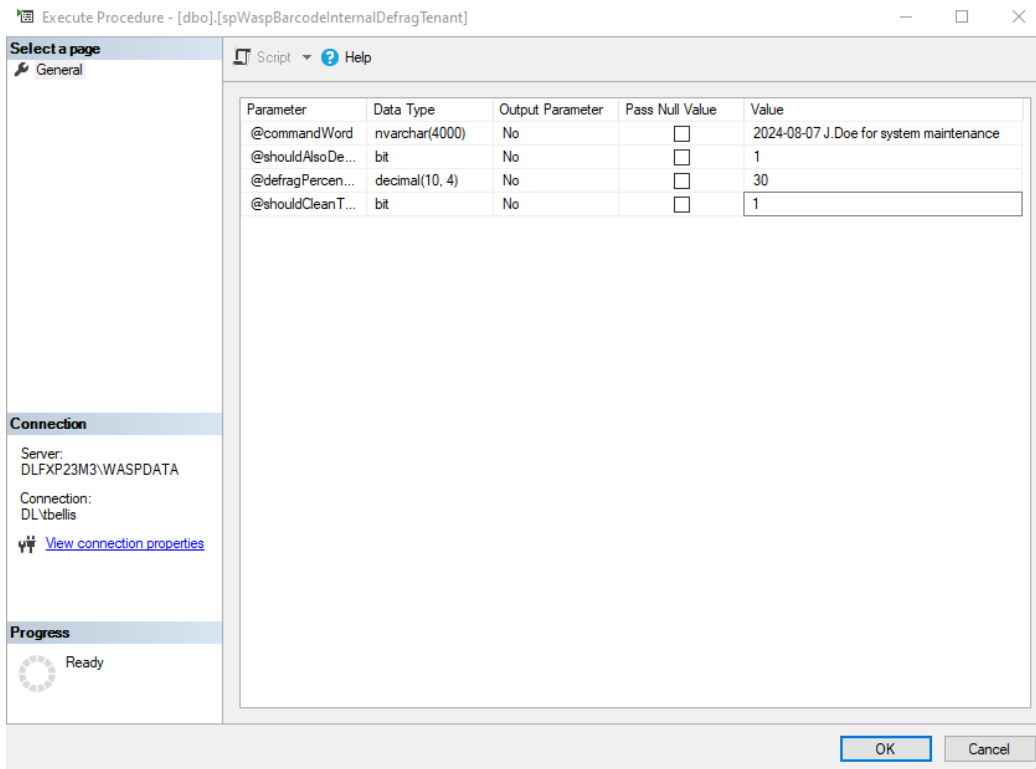
Right click on “dbo.spWaspBarcodeInternalDefragTenant”.

Select “Execute stored procedure...”.



Fill out the parameters.

Note that if you send all nulls to the procedure, it merely generates a report of the current fragmentation.



@commandWord	Comment field. Suggest <date> <who> <why>.	2024-08-15 : j doe : system maintenance
@shouldAlsoDefrag	1 = yes, 0 or null = no	1
@defragPercentage	Amount of fragmentation that triggers the defrag on an object.	30
@shouldCleanTable	1 = yes, 0 or null = no	1

When ready press OK. Query should execute successfully.

The first portion of the results is the 'before' state of WaspTrack. The last two columns (LogicalFragmentation, ExtentFragmentation) are the key statistics of interest.

	LogicalFragmentation	ExtentFragmentation
100000	96.666666666666671404	80.000000000000000000
100000	96.296296296296290507	75.000000000000000000
100000	95.000000000000000000	33.33333333333328596
100000	94.871794871794861592	66.66666666666657193
100000	93.33333333333328596	50.000000000000000000
10000	88.8888888888885731	66.66666666666657193
10000	88.235294117647057988	33.33333333333328596
100000	87.804878048780494737	83.33333333333342807

If you want to see the 'after' state of WaspTrack, run the procedure again, but this time pass in all nulls.

Note that the fragmentation of some tables is of no concern. Static tables like [dbo].[api2cart\_supported\_platform] may be ignored.



manipulating the WaspTrack database, it is best practices to run when Wasp is not otherwise in use.