

# 2301171 - SH: Setup of batch input on status handler framework

Version	6	Type	SAP Note
Language	English	Master Language	English
Priority	Correction with medium priority	Category	Correction of legal function
Release Status	Released for Customer	Released On	20.02.2017
Component	PY-ES (Spain)		

Please find the original document at <https://launchpad.support.sap.com/#/notes/2301171>

## Symptom

The following performance issues have been identified in the Gestión de Estados (Status Handler) framework:

1. The processing time of the SLD: fichero de bases (RPC\_PAYES\_CRETA\_BASES) report significantly increases when you check the Grabar estados infotipo 3393 (P\_SAVESH) selection screen checkbox, which might result in a timeout error.
2. The processing time of the SLD: procesamiento de ficheros (RPC\_PAYES\_CRETA\_FILES) report significantly increases when you select options Grabar solamente empleados con errores (2) or Grabar empleados con y sin errores (3) in the Grabar estados infotipo 3393 (P\_SAVESH) selection screen listbox, which might result in a timeout error.

## Other Terms

&SH (for more information, see SAP Note 1071282)

Actualización en masa; Batch input; Gestión de estados; IT3393; Status Handler

## Reason and Prerequisites

The status handler framework uses standard functions from the HR Mantenimiento de datos maestros (HRMM) function group to execute database operations in the Gestión de Estados (3393) infotype. However, these functions present technical limitations that lead to performance issues when processing high amounts of data.

You have to apply the following SAP Notes as prerequisites:

- 2250742 (UTIL: Batch Input framework for HCM ES)
- 2300580 (UTIL: Reuse of Status Handler ALV node)
- 2300470 (SH: Enhancements to Status Handler infotype classes)
- 2300632 (TEMSE: TemSe file for status handler batch input)

Although the installation of this SAP Note is independent from SAP Notes 2301181 (SLD: Setup of batch input for status handler on SLD bases) and 2301130 (SLD: Setup of batch input for status handler on SLD files), which provide changes to the RPC\_PAYES\_CRETA\_BASES and RPC\_PAYES\_CRETA\_FILES reports, this SAP Note will have no effect until the two mentioned SAP Notes are installed. Therefore, the following installation scenarios are possible:

- If you install SAP Notes 2301181 and 2301130, the solution will be completely available for reports RPC\_PAYES\_CRETA\_BASES and RPC\_PAYES\_CRETA\_FILES.
- If you do not install SAP Notes 2301181 and 2301130, the status handler framework will be technically updated, but there will be no effect over the functionality.

The following Support Package level is the minimum prerequisite:

Release	Support Package
6.08	HR SP 08
6.04	HR SP 80
6.00	HR SP B4

(For more information, click on "R/3 HR Support Package Schedule" in [www.service.sap.com/ocs-schedules](http://www.service.sap.com/ocs-schedules).)

## Solution

This SAP Note enables the status handler framework to use batch input sessions to update infotype 3393 instead of executing database operations during the processing of RPC\_PAYES\_CRETA\_BASES and RPC\_PAYES\_CRETA\_FILES reports. The Solicitud de actualiz. en masa (P\_BINPT) checkbox was created in the selection screen of both reports in order to allow the user to select whether they want to use the new process.

### How the batch input process works

1. When the user checks the P\_SAVESH checkbox in the RPC\_PAYES\_CRETA\_BASES report or sets the P\_SAVESH listbox to 2 or 3 in the RPC\_PAYES\_CRETA\_FILES report, the P\_BINPT checkbox becomes available.
2. If the user checks the P\_BINPT checkbox, the status handler framework does not update any entries in infotype 3393; instead of this, all data is stored in a temSe file type Actualización en masa del infotipo 3393 (BI3393) and a batch input session is created to update the infotype based on this temSe file.
3. The status handler framework might store some entries in the temSe file and create the batch input session even if the P\_BINPT checkbox is not checked; this behavior occurs when the framework fails to record an status in infotype 3393 because the employee is locked by another user.
4. An Estados almacenados para actualización en masa log node is displayed in the output log listing all the entries that were stored in the temSe file.
5. The user chooses one of the following options for triggering the batch input execution:
  - In the log node, the user clicks on Ejecutar actualización en masa en fondo pushbutton to schedule a job that runs the batch input in background and executes the update of infotype 3393. Once the job is scheduled, the user can view its status by accessing the Selección de job simple (SM37) transaction.
  - In the log node, the user clicks in the Juego de datos (BI\_SESSION) ALV column to navigate to the Resumen de juegos de datos (SM35) transaction, which allows the user to trigger the batch input execution in background. Note that this action does not allow the user to schedule the execution time.
  - The user directly goes to transaction SM35 and triggers the batch input execution in background.
  - The user goes transaction SM35 and copies the value of the ID cola (ITAB\_APQI-QID) field from the desired batch input session. Then, the user goes to the ABAP: Ejecución de programa

(SA38) transaction and runs the Utilidad para batch input (RSBDCBTC\_SUB) report. Finally, the user informs the copied queue id in the ID cola de un juego de datos (QUEUE\_ID) field and selects the Ejecutar en proceso fondo (F9) function to schedule a job that runs the batch input in background.

7. Once the batch input is run, an execution log can be accessed in the Control de salida: Selección órdenes SPOOL (SP01) transaction.
8. If the batch input failed to record any status because the employee was locked by another user, a second batch input session is created and the information is listed in the execution log.

This solution might not provide significant reduction to the processing time of updating infotype 3393 itself. However, it eliminates the impact of this update to the performance of the RPC\_PAYES\_CRETA\_BASES and RPC\_PAYES\_CRETA\_FILES reports. This solution allows the user to proceed the massive processing of updating infotype 3393 in background mode and/or through a job scheduled to be run out of business hours.

Version	Date	Reason
6	20.02.2017	Correction Instructions for releases 604 and 600 updated to correct prerequisite issues - no changes have been made to the solution
5	23.05.2016	Released for customer

As a general rule, SAP recommends that you install a solution by applying a Support Package. However, if you need to install the solution earlier, proceed as follows:

1. Use Note Assistant (SNOTE) to implement the correction instructions.

You can find more information about the Note Assistant in SAP Service Marketplace, under [service.sap.com/note-assistant](http://service.sap.com/note-assistant).

## Software Components

Software Component	Release
SAP_HRCES	600 - 600
SAP_HRCES	604 - 604
SAP_HRCES	608 - 608

## Correction Instructions

Software Component	From	To	Version	Changed on	ID
SAP_HRCES	608	608	4	23.05.2016 23:01:44	0000051520
SAP_HRCES	604	604	6	20.02.2017 17:09:32	0000051591
SAP_HRCES	600	600	6	20.02.2017 17:12:07	0000051592

## Other Components

Component	Description
PA-PA-ES	Spain
XX-CSC-ES-PY	Payroll

## Prerequisites

Software Component	From	To	SAP Note/KBA	Title	Component
SAP_HRCES	600	600	2184688	SH: Status Handler Framework	PY-ES
SAP_HRCES	600	600	2250742	UTIL: Batch Input framework for HCM ES	PY-ES
SAP_HRCES	600	600	2288293	SH: Incorrect entry status in the Status Handler (3393) infotype	PY-ES
SAP_HRCES	600	600	2300470	SH: Enhancements to Status Handler infotype classes	PY-ES
SAP_HRCES	600	600	2300580	UTIL: Reuse of Status Handler ALV node	PY-ES
SAP_HRCES	600	600	2300632	TEMSE: TemSe file for status handler batch input	PY-ES
SAP_HRCES	604	604	2184688	SH: Status Handler Framework	PY-ES
SAP_HRCES	604	604	2250742	UTIL: Batch Input framework for HCM ES	PY-ES
SAP_HRCES	604	604	2288293	SH: Incorrect entry status in the Status Handler (3393) infotype	PY-ES
SAP_HRCES	604	604	2300470	SH: Enhancements to Status Handler infotype classes	PY-ES
SAP_HRCES	604	604	2300580	UTIL: Reuse of Status Handler ALV node	PY-ES
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SAP_HRCES	608	608	2250742	UTIL: Batch Input framework for HCM ES	PY-ES
SAP_HRCES	608	608	2288293	SH: Incorrect entry status in the Status Handler (3393) infotype	PY-ES
				SH: Enhancements to Status Handler infotype	

SAP_HRCES	608	608	2300470	classes	PY-ES
SAP_HRCES	608	608	2300580	UTIL: Reuse of Status Handler ALV node	PY-ES
SAP_HRCES	608	608	2300632	TEMSE: TemSe file for status handler batch input	PY-ES

## Support Package

Software Component	Release	Support Package
SAP_HRCES	600	SAPK-600D6INSAPHRCES
SAP_HRCES	604	SAPK-604A2INSAPHRCES
SAP_HRCES	608	SAPK-60830INSAPHRCES

## This document refers to

SAP Note/KBA	Title
2301181	<a href="#">SLD: Setup of batch input for status handler on SLD bases</a>
2301130	<a href="#">SLD: Setup of batch input for status handler on SLD files</a>
2300632	<a href="#">TEMSE: TemSe file for status handler batch input</a>
2300580	<a href="#">UTIL: Reuse of Status Handler ALV node</a>
2300470	<a href="#">SH: Enhancements to Status Handler infotype classes</a>
2250742	<a href="#">UTIL: Batch Input framework for HCM ES</a>
167718	<a href="#">CONSULT.: HRMS Espa#&amp;x00F1;a - Novedades</a>
1071282	<a href="#">CONSULT: List of tags for Spain notes.</a>

## This document is referenced by

SAP Note/KBA	Title
2301130	<a href="#">SLD: Setup of batch input for status handler on SLD files</a>
2301181	<a href="#">SLD: Setup of batch input for status handler on SLD bases</a>

