

Article

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## Speeding up Source and Target drop-downs in Message Viewer

**Task Scheduler Wizard**

This wizard helps to you schedule a task for execution by the Task Manager or to edit the details of a previously scheduled task.  
For user-defined tasks you must first create a new subclass of the %SYS.Task.Definition class which will then be selectable as a 'Task type'.

**Task name: \*** Compress Ens.MessageHea

**Description:** this speeds the Source and Target drop downs in message viewer

**Namespace to run task in:** PRODUCTION

**Task type: \*** RunLegacyTask

**ExecuteCode** do ##class(%SYS.Maint.Bitmap).OneClass("Ens.MessageHea

**Task priority:** Priority Normal

**Run task as this user:** stephen

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Slowness of the 'Source' and 'Target' parameters in the (portal) Message Viewer is caused by the Bitmap indices of Ens.MessageHeader.

Running the 'bitmap index clean up' routine for Ens.MessageHeader will fix the issue.

I checked with WRC and they advised:

“ Yes it is safe to run this tool on a live system. It will eat up 1 CPU and load a lot of data from disk into global buffers so I would suggest running it at a slower time of day. ”

To compress the Bitmap indices of Ens.MessageHeader use the terminal to call OneClass():

```
zn "PRODUCTION"
```

```
do ##class(%SYS.Maint.Bitmap).OneClass("Ens.MessageHeader",1,0)
```

You can also use RunLegacyTask to schedule a run every month as per the image above.

Happy coding!

Thanks to Andrew Harris at InterSystems UK(WRC) and community members who helped answer my [question](#).

Documentation at:

- <https://docs.intersystems.com/latest/csp/docbook/DocBook.UI.Page.cls?KEY=GSQLOPTindices#GSQLOPTindicesbmapmaint>
- <https://docs.intersystems.com/latest/csp/documatic/%25CSP.Documatic.cls?PAGE=CLASS&LIBRARY=%2>

[5SYS&CLASSNAME=%25SYS.Maint.Bitmap#METHODOneClass](#)

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Source URL: <https://community.intersystems.com/post/speeding-source-and-target-drop-downs-message-viewer>