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[Open Exchange](#)

Ensemble Interfaces Disk-space Usage Estimation and Purge Verification Framework

One of the topics that comes up often when managing Ensemble productions is disk space:

The database (the CACHE.DAT file) grows in a rate that was unexpected; or the Journal files build up at a fast pace; or the database grows continuously though the system has a scheduled purge of the Ensemble runtime data.

It would have been better if these kind of phenomena would have been observed and accounted for yet at the development and testing stage rather than on a live system.

For this purpose I created a basic framework that could aid in this task.

The fundamental idea behind it is that it gathers some data usage information at certain points in time in order to provide a picture of how much space was used, and the user can then take this information perform the volume-related calculations and arrive at the expected database and journal growth rates.

Apart from capturing the data usage before and after running the interface test, it also captures it a third time after a Purge has been run. Perhaps a separate post can discuss this in more detail, but in certain cases the Purge might not always be able out-of-the-box to delete all the related structures of the message bodies, so the framework also allows to find these potential "leaks" ahead of time.

I hope folks find this useful and I invite the community to extend/fix it for everyone's benefit.

It is posted on [Github](#). See more details there and in the related class reference.

[#Monitoring #System Administration #Tools #Ensemble](#)
[Check the related application on InterSystems Open Exchange](#)

Source

URL: <https://community.intersystems.com/post/ensemble-interfaces-disk-space-usage-estimation-and-purge-verification-framework>