Database - Support #6707

evaluate the effectiveness of the current approach to ProgressiveResults

08/25/2022 11:30 AM - Greg Shah

Status:	New		**Start date:**	
Priority:	Normal		**Due date:**	
Assignee:			**% Done:**	0%
Category:			**Estimated time:**	0.00 hour
Target version:				
billable:	No		**case_num:**	
vendor_id:	GCD		**version:**	

Description

Related issues:	
Related to Database - Bug #4931: possible ProgressiveResults performance impr...	**New**

History

#1 - 08/25/2022 11:37 AM - Greg Shah

Currently ProgressiveResults always starts with a set size of 1. This was done because the following idiom was seen:

```
FOR EACH something WHERE ...:
   ...
   LEAVE.
END.

// this code may also use something
```

The idea is that there may be code in the block to process something but that there is a LEAVE (conditional or unconditional) such that we never iterate the FOR loop. If we got all records back (or a large number), then this use case would be costly compared to the 4GL.

However, we don't know if this is generally a common use case. It was seen often in old code but how often is it really hit?

We should track (maybe with JMX?) the number of results actually used in a given ProgressiveResults query so that we can evaluate the effectiveness of this approach.

#2 - 08/25/2022 11:40 AM - Alexandru Lungu

- Related to Bug #4931: possible ProgressiveResults performance improvement added