

Simple WorkMgr example

Article

[Alberto Fuentes](#) · Feb 19, 2016



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Attached code contains a very basic \$system.WorkMgr example.

It uses several jobs (workers) to update different chunks of rows of a table.

Steps:

- Creates a table with 100 records.
- Split table in chunks
- Initialize WorkMgr and queue chunks to workers.
 - Every worker simply sets its process number in the *Job* field of the processed row.

In this case, I have tested the example in a 8-core laptop:

```
USER>do ##class(IAT.S04.WorkMgr.Simple).%DeleteExtent()
USER>do ##class(IAT.S04.WorkMgr.Simple).Populate(100)
USER>do ##class(IAT.S04.WorkMgr.Simple).UpdateWorkMgr()
**Split
pChunks=8
returnCode=1
chunks=$lb("12","24","36","49","62","75","88")
^Samples.Log=8
^Samples.Log(1)="UpdateOneChunk [11224] (12,24)"
^Samples.Log(2)="UpdateOneChunk [13404] (,12)"
^Samples.Log(3)="UpdateOneChunk [15752] (24,36)"
^Samples.Log(4)="UpdateOneChunk [3352] (36,49)"
^Samples.Log(5)="UpdateOneChunk [6664] (49,62)"
^Samples.Log(6)="UpdateOneChunk [15892] (62,75)"
^Samples.Log(7)="UpdateOneChunk [19872] (75,88)"
^Samples.Log(8)="UpdateOneChunk [13896] (88,)"
```

After running the test, we can have a look at the Job field in the table:

[#Object Data Model #Caché](#)

```
11 3 0 1 632
```

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