

文章

[TZ Zhuang](#) · 八月 6, 2021 阅读大约需分钟

FAQ 常见问题系列--系统管理篇 如何使用命令在Journal日志文件中搜索指定的Global

可以使用%SYS.Journal.File类中的ByTimeReverseOrder查询,以及%SYS.Journal.Record类中的List查询来实现。

下面是这两个查询的具体用:

A) %SYS.Journal.File类中的ByTimeReverseOrder查询
这个查询会获取journal日志文件名并按降序排列

```
USER>set rs=##class(%ResultSet).%New("%SYS.Journal.File:ByTimeReverseOrder")
```

```
USER>do rs.Execute()
```

```
USER>while rs.Next() { write rs.Name,! }
c:\intersystems\cache\mgr\journal\20190620.003
c:\intersystems\cache\mgr\journal\20190620.002
c:\intersystems\cache\mgr\journal\20190620.001
c:\intersystems\cache\mgr\journal\20190610.001
```

B) %SYS.Journal.Record类中的List查询
这个查询可以从指定journal日志文件中获取日志记录

```
USER>set rs2=##class(%ResultSet).%New("%SYS.Journal.Record:List")
```

```
USER>do rs2.Execute("c:\intersystems\cache\mgr\journal\20190620.003")
```

```
USER>while rs2.Next() { if rs2.Get("GlobalReference")["TEST"] write rs2.Get("GlobalReference"),!}
^[^^c:\intersystems\cache\mgr\user\ ]TEST(1)
.....
^[^^c:\intersystems\cache\mgr\user\ ]TEST(9)
^[^^c:\intersystems\cache\mgr\user\ ]TEST(10)
```

这里我们可以把从A查询获得的结果传到B查询里。如果想了解从B查询里还能获得哪些字段的内容,请参考文档里的%SYS.Journal.Record类定义

下面是一个把A和B查询合并在一起的例子:

```
////? globalname: ?????Global?(???)^
ClassMethod SearchAllJournals(globalname As %String)
{
  if $get(globalname)=" " {
    write "???Global??",!
    quit
  }
  //?????journal?????????global
```

```
set rs1=##class(%ResultSet).%New()
set rs1.ClassName="%SYS.Journal.File"
set rs1.QueryName="ByTimeReverseOrder"
do rs1.%Execute()
while rs1.%Next() {
    set jrnfile=rs1.%Get("Name")
    set size=rs1.%Get("Size")
    write "Journal file:",jrnfile,!," File size:",size/1024/1024," MB",!
    do ..SearchGlobal(globalname,jrnfile)
}
do rs1.Close()
}

////????? globalname: ??????Global??(????^)
////????? jrnfile: ???journal??????(????)
ClassMethod SearchGlobal(globalname As %String, jrnfile As %String)
{
    set rs1=##class(%ResultSet).%New()
    set rs1.ClassName="%SYS.Journal.Record"
    set rs1.QueryName="List"

    //??journal????????????Global
    do rs1.%Execute(jrnfile,"GlobalReference,NewValue",,,,$lb("GlobalReference","[" ,globalname))

    while rs1.%Next() {
        set glo=rs1.%Get("GlobalReference")
        write " ",glo," = ",rs1.%Get("NewValue"),!
    }
    do rs1.Close()
}
}
```

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