Improved corrupt ring detection on init

03/06/2015 08:33 AM - Chad Trabant

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**Status:** Closed

**Priority:** Normal

**Assignee:** Chad Trabant

**Category:**

**Target version:**

**Resolution:** Fixed

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**Description**

Apparently an endless corrupt ring-triggered shutdown and start without corruption detection is possible. Investigate.

Another issue: why did the corrupt ring message by the callers of RingWrite() not end up in logs?

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**History**

**#1 - 03/06/2015 08:34 AM - Chad Trabant**

- Project changed from orb2ringserver to ringserver

From Philip:

```bash
from ringserver err log:

-------------------------------------------------------
stderr for ringserver /data/scsn/earthworm/run/params/ringserver.d
startup at UTC_20150305_20:03:03
-------------------------------------------------------
Thu Mar 05 15:03:03 2015 - ringserver version: 2013.284
Thu Mar 05 15:03:03 2015 - Ring initialized, ringsize: 1073741824, pktsize: 632 (512)
Thu Mar 05 15:04:20 2015 - RingWrite(): Error getting next packet in stream (id: 14737899)
Thu Mar 05 15:04:20 2015 - RingWrite(): Error getting next packet in stream (id: 14737892)

-------------------------------------------------------
stderr for ringserver /data/scsn/earthworm/run/params/ringserver.d
startup at UTC_20150306_13:49:15
-------------------------------------------------------
Fri Mar 06 08:49:15 2015 - ringserver version: 2013.284
Fri Mar 06 08:49:15 2015 - Ring initialized, ringsize: 1073741824, pktsize: 632 (512)
Fri Mar 06 08:49:17 2015 - RingWrite(): Error getting next packet in stream (id: 14737826)
Fri Mar 06 08:49:17 2015 - RingWrite(): Error getting next packet in stream (id: 14737822)

-------------------------------------------------------
stderr for ringserver /data/scsn/earthworm/run/params/ringserver.d
startup at UTC_20150306_13:49:57
-------------------------------------------------------
Fri Mar 06 08:49:57 2015 - ringserver version: 2013.284
Fri Mar 06 08:49:57 2015 - Ring initialized, ringsize: 1073741824, pktsize: 632 (512)
Fri Mar 06 08:50:07 2015 - RingWrite(): Error getting next packet in stream (id: 14737826)
Fri Mar 06 08:50:07 2015 - RingWrite(): Error getting next packet in stream (id: 14737867)

-------------------------------------------------------
stderr for ringserver /data/scsn/earthworm/run/params/ringserver.d
startup at UTC_20150306_13:50:08
-------------------------------------------------------
Fri Mar 06 08:50:08 2015 - ringserver version: 2013.284
Fri Mar 06 08:50:08 2015 - Ring initialized, ringsize: 1073741824, pktsize: 632 (512)
Fri Mar 06 08:50:17 2015 - RingWrite(): Error getting next packet in stream (id: 14737854)
Fri Mar 06 08:50:17 2015 - RingWrite(): Error getting next packet in stream (id: 14737852)
```

from startstop...

Process

```
*ringserver /data/scsn/earthworm/run/params/ringserver.d -STDERR*
```

Class/Priority

```bash
OTHER 0
```

Stderr

```bash
File
```
Improved ring corruption detection (to trigger auto recovery) has been added to release 2015.074.

No idea why the corruption log messages did not appear in the report from the Earthworm system.