

Enduro/X Core - Bug #202

Bug # 125 (Closed): Do not reload server when it is shutdown (normally)

reloadonchange starts max count of services

09/04/2017 08:01 AM - Anonymous

Status:	Closed	Start date:	09/04/2017
Priority:	Normal (Code 4)	Due date:	
Assignee:		% Done:	100%
Category:		Estimated time:	0.00 hour
Target version:			
Description			
Please check why reloadonchange = Y configuration parameter starts MAX server count on binary timestamp change.			
Example:			
1)			
<pre><server name="naiveBayes"> <srvId>2000</srvId> <min>1</min> <max>100</max> <sysopt>-e \${NDRX_APPHOME}/log/NAIVE_BAYES -r</sysopt> </server></pre>			
2) reload			
3)			
\$ xadmin restart -y			
Enduro/X 5.0.6, build Aug 31 2017 17:17:21, using epoll for LINUX (64 bits)			
Enduro/X Middleware Platform for Distributed Transaction Processing Copyright (C) 2009-2016 ATR Baltic Ltd. Copyright (C) 2017 Mavimax Ltd. All Rights Reserved.			
This software is released under one of the following licenses: GPLv2 (or later) or Mavimax license for commercial use.			
Server executable = cpmsrv Id = 9999 : Shutdown succeeded. Server executable = naiveBayes Id = 2000 : Shutdown succeeded. Server executable = redis Id = 100 : Shutdown succeeded. Server executable = skynet Id = 5 : Shutdown succeeded. Server executable = cconfsrv Id = 2 : Shutdown succeeded. Server executable = cconfsrv Id = 1 : Shutdown succeeded. Shutdown finished. 6 processes stopped. exec cconfsrv -k 0myWI5nu -i 1 -e /home/lradzev/D8/EnduroX/log/cconfsrv.log -r -- : process id=21833 ... Started. exec cconfsrv -k 0myWI5nu -i 2 -e /home/lradzev/D8/EnduroX/log/cconfsrv.log -r -- : process id=21834 ... Started. exec skynet -k 0myWI5nu -i 5 -e /home/lradzev/D8/EnduroX/log/SKYPNET -r -- : process id=21835 ... Started. exec redis -k 0myWI5nu -i 100 -e /home/lradzev/D8/EnduroX/log/REDIS -r -- : process id=21840 ... Started. exec naiveBayes -k 0myWI5nu -i 2000 -e /home/lradzev/D8/EnduroX/log/NAIVE_BAYES -r -- : process id=21846 ... Started. exec cpmsrv -k 0myWI5nu -i 9999 -e /home/lradzev/D8/EnduroX/log/cpmsrv.log -r -- -k3 -i1 -- : process id=21851 ... Started. Startup finished. 6 processes started.			

4)

\$ xadmin psc
Enduro/X 5.0.6, build Aug 31 2017 17:17:21, using epoll for LINUX (64 bits)

Enduro/X Middleware Platform for Distributed Transaction Processing
Copyright (C) 2009-2016 ATR Baltic Ltd.
Copyright (C) 2017 Mavimax Ltd. All Rights Reserved.

This software is released under one of the following licenses:
GPLv2 (or later) or Mavimax license for commercial use.

ndrxd PID (from PID file): 19425

Nd	Service Name	Routine Name	Prog Name	SRVID	#SUCC	#FAIL	MAX	LAST	STAT
1	@CCONF	CCONF	cconfsrv 1	3	0	0ms	0ms		AVAIL
1	@CCONF	CCONF	cconfsrv 2	0	0	0ms	0ms		AVAIL
1	SKYNET	SKYNET	skynet 5	0	0	0ms	0ms		AVAIL
1	HINCRBY	HINCRBY	redis	100	0	0	0ms	0ms	AVAIL
1	INCRBY	INCRBY	redis	100	0	0	0ms	0ms	AVAIL
1	HGET	HGET	redis	100	0	0	0ms	0ms	AVAIL
1	GET	GET	redis	100	0	0	0ms	0ms	AVAIL
1	PIPED_HINCR+	PIPED_HINCR+	redis	100	0	0	0ms	0ms	AVAIL
1	REDIS_INFO	REDIS_INFO	redis	100	0	0	0ms	0ms	AVAIL
1	LEARN_NAIVE+	LEARN_NAIVE+	naiveBay+	2000	0	0	0ms	0ms	AVAIL
1	GET_NAIVE_B+	GET_NAIVE_B+	naiveBay+	2000	0	0	0ms	0ms	AVAIL
1	@CPMSVC	CPMSVC	cpmsrv	9999	0	0	0ms	0ms	AVAIL

5) update binary

6)

> % xadmin psc
Enduro/X 5.0.6, build Aug 31 2017 17:17:21, using epoll for LINUX (64 bits)

Enduro/X Middleware Platform for Distributed Transaction Processing
Copyright (C) 2009-2016 ATR Baltic Ltd.
Copyright (C) 2017 Mavimax Ltd. All Rights Reserved.

This software is released under one of the following licenses:
GPLv2 (or later) or Mavimax license for commercial use.

ndrxd PID (from PID file): 19425

Nd	Service Name	Routine Name	Prog Name	SRVID	#SUCC	#FAIL	MAX	LAST	STAT
1	@CCONF	CCONF	cconfsrv 1	103	0	0ms	0ms		AVAIL
1	@CCONF	CCONF	cconfsrv 2	0	0	0ms	0ms		AVAIL
1	SKYNET	SKYNET	skynet 5	0	0	0ms	0ms		AVAIL
1	HINCRBY	HINCRBY	redis	100	0	0	0ms	0ms	AVAIL
1	INCRBY	INCRBY	redis	100	0	0	0ms	0ms	AVAIL
1	HGET	HGET	redis	100	0	0	0ms	0ms	AVAIL
1	GET	GET	redis	100	0	0	0ms	0ms	AVAIL
1	PIPED_HINCR+	PIPED_HINCR+	redis	100	0	0	0ms	0ms	AVAIL
1	REDIS_INFO	REDIS_INFO	redis	100	0	0	0ms	0ms	AVAIL
1	LEARN_NAIVE+	LEARN_NAIVE+	naiveBay+	2000	0	0	0ms	0ms	AVAIL
1	GET_NAIVE_B+	GET_NAIVE_B+	naiveBay+	2000	0	0	0ms	0ms	AVAIL
1	LEARN_NAIVE+	LEARN_NAIVE+	naiveBay+	2001	0	0	0ms	0ms	AVAIL
1	GET_NAIVE_B+	GET_NAIVE_B+	naiveBay+	2001	0	0	0ms	0ms	AVAIL
1	LEARN_NAIVE+	LEARN_NAIVE+	naiveBay+	2002	0	0	0ms	0ms	AVAIL
1	GET_NAIVE_B+	GET_NAIVE_B+	naiveBay+	2002	0	0	0ms	0ms	AVAIL

#2 - 10/11/2017 10:03 AM - Madars

Also with reload on change, if parameter is introduced in system which is already running, there might be some issues with starting/reloading processes.

```
N:NDRX:2:32032:7fa58d43a7c0:000:20171011:144411014:i/init.c:0800:SHM ok, but sem fail - cannot operate in this mode!  
t:USER:3:32032:7fa58d43a7c0:000:20171011:144411014:/tplog.c:0505:ATMI Error 0:[0:TPMINVAL]
```

```
N:NDRX:2:32032:7fa58d43a7c0:000:20171011:144411014:ntegra.c:0069:G_tpsvrinit__() failed  
N:NDRX:2:32032:7fa58d43a7c0:000:20171011:144411014:rvmain.c:0423:tpsvrinit() fail  
N:NDRX:2:32034:7f8c0f06a7c0:000:20171011:144411032:tmi/xa.c:0300:XA flag: [RECON]: on xa_start ret codes: [*,*], recon number of 3 times,  
sleep 100000 microseconds between attempts  
t:USER:4:32034:7f8c0f06a7c0:000:20171011:144411032:/tplog.c:0505:Server shutting down...  
N:NDRX:2:32034:7f8c0f06a7c0:000:20171011:144411032:mi/shm.c:0155:cannot close shm [/trbdv,shm,srvinfo] as fd is -1  
Server exit: -1, id: 1702  
t:USER:3:32034:7f8c0f06a7c0:000:20171011:144411032:/tplog.c:0505:Exit with failure  
N:NDRX:2:32032:7fa58d43a7c0:000:20171011:144411032:tmi/xa.c:0300:XA flag: [RECON]: on xa_start ret codes: [*,*], recon number of 3 times,  
sleep 100000 microseconds between attempts  
t:USER:4:32032:7fa58d43a7c0:000:20171011:144411032:/tplog.c:0505:Server shutting down...  
N:NDRX:2:32032:7fa58d43a7c0:000:20171011:144411032:mi/shm.c:0155:cannot close shm [/trbdv,shm,srvinfo] as fd is -1  
Server exit: -1, id: 1700  
t:USER:3:32032:7fa58d43a7c0:000:20171011:144411032:/tplog.c:0505:Exit with failure  
N:NDRX:2:32035:7fe95fbf7c0:000:20171011:144411035:mi/sem.c:0123:ndrx_sem_attach: Failed to attach sem, key [278528]: No such file or  
directory  
N:NDRX:2:32035:7fe95fbf7c0:000:20171011:144411036:i/init.c:0784:Failed to attache to semaphores!!  
N:NDRX:2:32035:7fe95fbf7c0:000:20171011:144411036:i/init.c:0800:SHM ok, but sem fail - cannot operate in this mode!  
t:USER:3:32035:7fe95fbf7c0:000:20171011:144411036:/tplog.c:0505:ATMI Error 0:[0:TPMINVAL]
```

```
N:NDRX:2:32035:7fe95fbf7c0:000:20171011:144411036:ntegra.c:0069:G_tpsvrinit__() failed  
N:NDRX:2:32035:7fe95fbf7c0:000:20171011:144411036:rvmain.c:0423:tpsvrinit() fail  
N:NDRX:2:32036:7f1c2baf67c0:000:20171011:144411037:mi/sem.c:0123:ndrx_sem_attach: Failed to attach sem, key [278528]: No such file or  
directory  
N:NDRX:2:32036:7f1c2baf67c0:000:20171011:144411037:i/init.c:0784:Failed to attache to semaphores!!  
N:NDRX:2:32036:7f1c2baf67c0:000:20171011:144411037:i/init.c:0800:SHM ok, but sem fail - cannot operate in this mode!  
t:USER:3:32036:7f1c2baf67c0:000:20171011:144411037:/tplog.c:0505:ATMI Error 0:[0:TPMINVAL]
```

```
N:NDRX:2:32036:7f1c2baf67c0:000:20171011:144411037:ntegra.c:0069:G_tpsvrinit__() failed  
N:NDRX:2:32036:7f1c2baf67c0:000:20171011:144411037:rvmain.c:0423:tpsvrinit() fail  
N:NDRX:2:32033:7f79665147c0:000:20171011:144411042:mi/sem.c:0123:ndrx_sem_attach: Failed to attach sem, key [278528]: No such file or  
directory  
N:NDRX:2:32033:7f79665147c0:000:20171011:144411042:i/init.c:0784:Failed to attache to semaphores!!  
N:NDRX:2:32033:7f79665147c0:000:20171011:144411042:i/init.c:0800:SHM ok, but sem fail - cannot operate in this mode!  
t:USER:3:32033:7f79665147c0:000:20171011:144411042:/tplog.c:0505:ATMI Error 0:[0:TPMINVAL]
```

```
N:NDRX:2:32033:7f79665147c0:000:20171011:144411042:ntegra.c:0069:G_tpsvrinit__() failed  
N:NDRX:2:32033:7f79665147c0:000:20171011:144411042:rvmain.c:0423:tpsvrinit() fail
```

#3 - 10/11/2017 10:04 AM - Madars

- *Description updated*

#4 - 10/11/2017 10:04 AM - Madars

- *Description updated*

#5 - 11/19/2019 05:21 PM - Madars

Also having issues with:

- doing stop of the binary (stopped):
- binary version is changed
- > Binary gets started ! because of changed, but was marked for stop!

#6 - 05/12/2020 01:06 PM - Madars

- *Parent task set to #125*

#7 - 02/22/2023 01:41 AM - Madars

- *Status changed from New to Resolved*

- *% Done changed from 0 to 100*

Release notes

XATMI server reloader has been updated to reload/restart only those servers which were requested to be in running state (e.g. was started).

Available from Enduro/X release 8.0.8+.

#8 - 02/22/2023 01:41 AM - Madars

- *Status changed from Resolved to Closed*