

Smuxi - Bug # 903: smuxi-server,smuxi-frontend-gnome hang on FUTEX_WAIT_PRIVATE during startup

Status:	Feedback	Priority:	Normal
Author:	Infinity Zero	Category:	
Created:	11/12/2013	Assigned to:	
Updated:	11/16/2013	Due date:	
Complexity:			
Found in Version:	0.9		
Subject:	smuxi-server,smuxi-frontend-gnome hang on FUTEX_WAIT_PRIVATE during startup		
Description:	<p>Happens independently with both @smuxi-server@ and @smuxi-frontend-gnome@ and doesn't fix itself until I restart the computer. It seems only to happen on process startup; processes that have been running for a while don't spontaneously get it.</p> <p>Have attached strace and Mono trace and aptitude installed packages and their versions.</p> <pre><pre> \$ uname -a Linux pdeb1 3.10-3-amd64 #1 SMP Debian 3.10.11-1 (2013-09-10) x86_64 GNU/Linux </pre></pre> <pre>strace <pre> \$ strace -f smuxi-frontend-gnome [..] [pid 17594] uname({sys="Linux", node="pdeb1", ...}) = 0 [pid 17594] brk(0x2636000) = 0x2636000 [pid 17594] mmap(NULL, 65551, PROT_READ PROT_WRITE PROT_EXEC, MAP_PRIVATE MAP_ANONYMOUS MAP_32BIT, -1, 0) = 0x412ab000 [pid 17594] brk(0x265a000) = 0x265a000 [pid 17594] stat("/etc/mono/4.5/machine.config", {st_mode=S_IFREG 0644, st_size=33649, ...}) = 0 [pid 17594] lstat("/etc/mono/4.5/machine.config", {st_mode=S_IFREG 0644, st_size=33649, ...}) = 0 [pid 17594] stat("/etc/mono/4.5/machine.config", {st_mode=S_IFREG 0644, st_size=33649, ...}) = 0 [pid 17594] lstat("/etc/mono/4.5/machine.config", {st_mode=S_IFREG 0644, st_size=33649, ...}) = 0 [pid 17594] stat("/etc/mono/4.5", {st_mode=S_IFDIR 0755, st_size=4096, ...}) = 0 [pid 17594] lstat("/etc/mono/4.5", {st_mode=S_IFDIR 0755, st_size=4096, ...}) = 0 [pid 17594] stat("/etc/mono/4.5/machine.config", {st_mode=S_IFREG 0644, st_size=33649, ...}) = 0 [pid 17594] lstat("/etc/mono/4.5/machine.config", {st_mode=S_IFREG 0644, st_size=33649, ...}) = 0 [pid 17594] stat("/etc/mono/4.5/machine.config", {st_mode=S_IFREG 0644, st_size=33649, ...}) = 0 [pid 17594] lstat("/etc/mono/4.5/machine.config", {st_mode=S_IFREG 0644, st_size=33649, ...}) = 0 [pid 17594] open("/etc/mono/4.5/machine.config", O_RDONLY) = 3 [pid 17594] fstat(3, {st_mode=S_IFREG 0644, st_size=33649, ...}) = 0 [pid 17594] fstat(3, {st_mode=S_IFREG 0644, st_size=33649, ...}) = 0 [pid 17594] read(3, "<?xml version='1.0' encoding='ut'...", 4096) = 4096 [pid 17594] brk(0x267e000) = 0x267e000 [pid 17594] brk(0x267a000) = 0x267a000 [pid 17594] brk(0x2675000) = 0x2675000 [pid 17594] brk(0x2674000) = 0x2674000 [pid 17594] brk(0x2672000) = 0x2672000 [pid 17594] brk(0x266f000) = 0x266f000 [pid 17594] brk(0x266d000) = 0x266d000 [pid 17594] brk(0x266b000) = 0x266b000 [pid 17594] brk(0x2669000) = 0x2669000 [pid 17594] brk(0x2667000) = 0x2667000</pre>		

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[pid 17594] brk(0x2666000)      = 0x2666000
[pid 17594] brk(0x2664000)      = 0x2664000
[pid 17594] brk(0x2687000)      = 0x2687000
[pid 17594] brk(0x2684000)      = 0x2684000
[pid 17594] brk(0x2680000)      = 0x2680000
[pid 17594] brk(0x267d000)      = 0x267d000
[pid 17594] tgkill(17594, 17598, SIGPWR) = 0
[pid 17594] futex(0x982ee0, FUTEX_WAIT_PRIVATE, 0, NULL^C <unfinished ...>
Process 17595 detached
Process 17596 detached
Process 17597 detached
Process 17598 detached
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Mono trace

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$ mono --debug --trace /usr/lib/smuxi/smuxi-frontend-gnome.exe
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[..]
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[0x7fad7d2d0740:      3.18029      26]      ENTER:      (wrapper      managed-to-native)
object: __icall_wrapper_mono_array_new_specific (intptr,int)(0x22a6298, 1024, )
[0x7fad7d2d0740:      3.18031      26]      LEAVE:      (wrapper      managed-to-native)
object: __icall_wrapper_mono_array_new_specific (intptr,int)[System.Byte[]:0x7fad796aeaa0]
[0x7fad7d2d0740:      3.18039      26]      ENTER:      System.Text.UTF8Encoding:GetDecoder
()(this:0x7fad7d1347e0[System.Text.UTF8Encoding smuxi-frontend-gnome.exe], )
[0x7fad7d2d0740:      3.18040      27]      ENTER:      (wrapper      managed-to-native)
object: __icall_wrapper_mono_object_new_fast (intptr)(0x24695f0, )
[0x7fad7d2d0740:      3.18041      27]      LEAVE:      (wrapper      managed-to-native)
object: __icall_wrapper_mono_object_new_fast (intptr)[.UTF8Decoder:0x7fad7d2ccbe0]
[0x7fad7d2d0740:      3.18047      27]      ENTER:      System.Text.UTF8Encoding/UTF8Decoder:.ctor
(System.Text.DecoderFallback)(this:0x7fad7d2ccbe0[.UTF8Decoder      smuxi-frontend-gnome.exe],
[System.Text.DecoderReplacementFallback:0x7fad799c9f90], )
[0x7fad7d2d0740: 3.18052 28] ENTER: System.Text.Decoder:.ctor ()(this:0x7fad7d2ccbe0[.UTF8Decoder
smuxi-frontend-gnome.exe], )
[0x7fad7d2d0740:      3.18054      29]      ENTER:      (wrapper      managed-to-native)
object: __icall_wrapper_mono_object_new_fast (intptr)(0x24378d0, )
[0x7fad7d2d0740:      3.18054      29]      LEAVE:      (wrapper      managed-to-native)
object: __icall_wrapper_mono_object_new_fast
(intptr)[System.Text.DecoderReplacementFallback:0x7fad799c9f30]
[0x7fad7d2d0740:      3.20993      29]      ENTER:      System.Text.DecoderReplacementFallback:.ctor
()(this:0x7fad799c9f30[System.Text.DecoderReplacementFallback smuxi-frontend-gnome.exe], )
[0x7fad7d2d0740:      3.20995      30]      ENTER:      System.Text.DecoderReplacementFallback:.ctor
(string)(this:0x7fad799c9f30[System.Text.DecoderReplacementFallback      smuxi-frontend-gnome.exe],
[STRING:0x7fad796a6a80:?], )
[0x7fad7d2d0740:      3.20997      31]      ENTER:      System.Text.DecoderFallback:.ctor
()(this:0x7fad799c9f30[System.Text.DecoderReplacementFallback smuxi-frontend-gnome.exe], )
[0x7fad7d2d0740: 3.20998 31] LEAVE: System.Text.DecoderFallback:.ctor ()
[0x7fad7d2d0740: 3.20999 30] LEAVE: System.Text.DecoderReplacementFallback:.ctor (string)
[0x7fad7d2d0740: 3.20999 29] LEAVE: System.Text.DecoderReplacementFallback:.ctor ()
[0x7fad7d2d0740: 3.21000 28] LEAVE: System.Text.Decoder:.ctor ()
[0x7fad7d2d0740:      3.21007      28]      ENTER:      System.Text.Decoder:set_Fallback
(System.Text.DecoderFallback)(this:0x7fad7d2ccbe0[.UTF8Decoder      smuxi-frontend-gnome.exe],
[System.Text.DecoderReplacementFallback:0x7fad799c9f90], )
[0x7fad7d2d0740: 3.21009 28] LEAVE: System.Text.Decoder:set_Fallback (System.Text.DecoderFallback)

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[0x7fad7d2d0740: 3.21009 27] LEAVE: System.Text.UTF8Encoding/UTF8Decoder:.ctor (System.Text.DecoderFallback)

[0x7fad7d2d0740: 3.21010 26] LEAVE: System.Text.UTF8Encoding:GetDecoder()[.UTF8Decoder:0x7fad7d2ccb0]

[0x7fad7d2d0740: 3.21016 26] ENTER: System.Text.UTF8Encoding:GetMaxCharCount(int)(this:0x7fad7d1347e0[System.Text.UTF8Encoding smuxi-frontend-gnome.exe], 1024,)

[0x7fad7d2d0740: 3.21018 26] LEAVE: System.Text.UTF8Encoding:GetMaxCharCount(int)result=1024

[0x7fad7d2d0740: 3.21018 26] ENTER: (wrapper managed-to-native) object: __icall_wrapper_mono_array_new_specific (intptr,int)(0x23c3d60, 1024,)

[0x7fad7d2d0740: 3.21020 26] LEAVE: (wrapper managed-to-native) object: __icall_wrapper_mono_array_new_specific (intptr,int)[System.Char[]:0x7fad796af000]

[0x7fad7d2d0740: 3.21021 25] LEAVE: System.Xml.NonBlockingStreamReader:.ctor (System.IO.Stream, System.Text.Encoding)

[0x7fad7d2d0740: 3.21022 24] LEAVE: System.Xml.XmlStreamReader:.ctor (System.Xml.XmlInputStream)

[0x7fad7d2d0740: 3.21023 23] LEAVE: System.Xml.XmlStreamReader:.ctor (System.IO.Stream)

[0x7fad7d2d0740: 3.21023 22] LEAVE: (wrapper remoting-invoke-with-check) System.Xml.XmlStreamReader:.ctor (System.IO.Stream)

[0x7fad7d2d0740: 3.21033 22] ENTER: System.Xml.XmlTextReader:.ctor (System.IO.TextReader)(this:0x7fad7d134a80[.ConfigXmlTextReader smuxi-frontend-gnome.exe], [System.Xml.XmlStreamReader:0x7fad7d134a20],)

[0x7fad7d2d0740: 3.21034 23] ENTER: (wrapper managed-to-native) object: __icall_wrapper_mono_object_new_fast (intptr)(0x249d6e0,)

[0x7fad7d2d0740: 3.21035 23] LEAVE: (wrapper managed-to-native) object: __icall_wrapper_mono_object_new_fast (intptr)[System.Xml.NameTable:0x7fad799d17a0]

[0x7fad7d2d0740: 3.21045 23] ENTER: System.Xml.NameTable:.ctor (this:0x7fad799d17a0[System.Xml.NameTable smuxi-frontend-gnome.exe],)

[0x7fad7d2d0740: 3.21046 24] ENTER: (wrapper managed-to-native) object: __icall_wrapper_mono_array_new_specific (intptr,int)(0x249d8a0, 128,)

[0x7fad7d2d0740: 3.21047 24] LEAVE: (wrapper managed-to-native) object: __icall_wrapper_mono_array_new_specific (intptr,int)[.Entry[]:0x7fad796b0aa0]

[0x7fad7d2d0740: 3.21048 23] LEAVE: System.Xml.NameTable:.ctor ()

[0x7fad7d2d0740: 3.21053 23] ENTER: System.Xml.XmlTextReader:.ctor (System.IO.TextReader, System.Xml.XmlNameTable)(this:0x7fad7d134a80[.ConfigXmlTextReader smuxi-frontend-gnome.exe], [System.Xml.XmlStreamReader:0x7fad7d134a20], [System.Xml.NameTable:0x7fad799d17a0],)

[0x7fad7d2d0740: 3.21077 24] ENTER: System.Xml.XmlTextReader:.ctor (string, System.IO.TextReader, System.Xml.XmlNameTable)(this:0x7fad7d134a80[.ConfigXmlTextReader smuxi-frontend-gnome.exe], [STRING:0x7fad7d1afee0:], [System.Xml.XmlStreamReader:0x7fad7d134a20], [System.Xml.NameTable:0x7fad799d17a0],)

[0x7fad7d2d0740: 3.21079 25] ENTER: (wrapper managed-to-native) object: __icall_wrapper_mono_object_new_fast (intptr)(0x249db18,)

[0x7fad7d2d0740: 3.21079 25] LEAVE: (wrapper managed-to-native) object: __icall_wrapper_mono_object_new_fast (intptr)[Mono.Xml2.XmlTextReader:0x7fad7d1b2bd0]

[0x7fad7d2d0740: 3.21084 25] ENTER: Mono.Xml2.XmlTextReader:.ctor (string, System.IO.TextReader, System.Xml.XmlNameTable)(this:0x7fad7d1b2bd0[Mono.Xml2.XmlTextReader smuxi-frontend-gnome.exe], [STRING:0x7fad7d1afee0:], [System.Xml.XmlStreamReader:0x7fad7d134a20], [System.Xml.NameTable:0x7fad799d17a0],)

[0x7fad7d2d0740: 3.21104 26] ENTER: Mono.Xml2.XmlTextReader:.ctor (string, System.IO.TextReader, System.Xml.XmlNodeType, System.Xml.XmlParserContext)(this:0x7fad7d1b2bd0[Mono.Xml2.XmlTextReader smuxi-frontend-gnome.exe], [STRING:0x7fad7d1afee0:], [System.Xml.XmlStreamReader:0x7fad7d134a20], 9, (nil),)

[0x7fad7d2d0740: 3.21106 27] ENTER: (wrapper managed-to-native) object: __icall_wrapper_mono_array_new_specific (intptr,int)(0x249e060, 10,)

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[0x7fad7d2d0740:      3.21107      27]      LEAVE:      (wrapper      managed-to-native)
object: __icall_wrapper_mono_array_new_specific (intptr,int)[.XmlAttributeTokenInfo]:0x7fad799c3e70]
[0x7fad7d2d0740:      3.21108      27]      ENTER:      (wrapper      managed-to-native)
object: __icall_wrapper_mono_array_new_specific (intptr,int)(0x249e270, 10, )
[0x7fad7d2d0740:      3.21108      27]      LEAVE:      (wrapper      managed-to-native)
object: __icall_wrapper_mono_array_new_specific (intptr,int)[.XmlTokenInfo]:0x7fad799c3e00]
[0x7fad7d2d0740:      3.21109      27]      ENTER:      (wrapper      managed-to-native)
object: __icall_wrapper_mono_object_new_fast (intptr)(0x249e3e8, )
[0x7fad7d2d0740:      3.21110      27]      LEAVE:      (wrapper      managed-to-native)
object: __icall_wrapper_mono_object_new_fast (intptr)[System.Xml.XmlUriResolver:0x7fad7d2ccb8]
[0x7fad7d2d0740:      3.21110      27]      ENTER:      (wrapper      managed-to-native)
object: __icall_wrapper_mono_object_new_fast (intptr)(0x249e4e8, )
[0x7fad7d2d0740:      3.21111      27]      LEAVE:      (wrapper      managed-to-native)
object: __icall_wrapper_mono_object_new_fast (intptr)[.DtdInputStateStack:0x7fad799c9f18]
[0x7fad7d2d0740:      3.21121      27]      ENTER:      Mono.Xml2.XmlTextReader/DtdInputStateStack:.ctor
()(this:0x7fad799c9f18[.DtdInputStateStack smuxi-frontend-gnome.exe], )
[0x7fad7d2d0740:      3.21122      28]      ENTER:      (wrapper      managed-to-native)
object: __icall_wrapper_mono_object_new_fast (intptr)(0x249e608, )
[0x7fad7d2d0740:      3.21123      28]      LEAVE:      (wrapper      managed-to-native)
object: __icall_wrapper_mono_object_new_fast (intptr)[System.Collections.Stack:0x7fad7d2ccb90]
[0x7fad7d2d0740:      3.21128      28]      ENTER:      System.Collections.Stack:.ctor
()(this:0x7fad7d2ccb90[System.Collections.Stack smuxi-frontend-gnome.exe], )
[0x7fad7d2d0740:      3.21129      29]      ENTER:      (wrapper      managed-to-native)
object: __icall_wrapper_mono_array_new_specific (intptr,int)(0x22a5ef8, 16, )
[0x7fad7d2d0740:      3.21130      29]      LEAVE:      (wrapper      managed-to-native)
object: __icall_wrapper_mono_array_new_specific (intptr,int)[System.Object]:0x7fad799c5c80]
[0x7fad7d2d0740: 3.21131 28] LEAVE: System.Collections.Stack:.ctor ()
[0x7fad7d2d0740:      3.21135      28]      ENTER:      Mono.Xml2.XmlTextReader/DtdInputStateStack:Push
(Mono.Xml2.XmlTextReader/DtdInputState)(this:0x7fad799c9f18[.DtdInputStateStack
smuxi-frontend-gnome.exe], 1, )
[0x7fad7d2d0740: 3.21136 29] ENTER: (wrapper alloc) object:Alloc (intptr)(0x249e788, )
[0x7fad7d2d0740:      3.21137      30]      ENTER:      (wrapper      managed-to-native)
object: __icall_wrapper_mono_object_new_specific (intptr)(0x249e788, )
[0x7fad7d2d0740:      3.21138      30]      LEAVE:      (wrapper      managed-to-native)
object: __icall_wrapper_mono_object_new_specific (intptr)[.DtdInputState:0x7fad7d130ee8]
[0x7fad7d2d0740: 3.21139 29] LEAVE: (wrapper alloc) object:Alloc (intptr)[.DtdInputState:0x7fad7d130ee8]
[0x7fad7d2d0740:      3.21145      29]      ENTER:      System.Collections.Stack:Push
(object)(this:0x7fad7d2ccb90[System.Collections.Stack smuxi-frontend-gnome.exe],
[.DtdInputState:0x7fad7d130ee8], )
[0x7fad7d2d0740:      3.21146      30]      ENTER:      (wrapper      stelemref)      object:virt_stelemref_object
(intptr,object)(this:0x7fad799c5c80[System.Object] smuxi-frontend-gnome.exe], (nil),
[.DtdInputState:0x7fad7d130ee8], )
[0x7fad7d2d0740: 3.21147 30] LEAVE: (wrapper stelemref) object:virt_stelemref_object (intptr,object)
[0x7fad7d2d0740: 3.21148 29] LEAVE: System.Collections.Stack:Push (object)
[0x7fad7d2d0740:      3.21149      28]      LEAVE:      Mono.Xml2.XmlTextReader/DtdInputStateStack:Push
(Mono.Xml2.XmlTextReader/DtdInputState)
[0x7fad7d2d0740: 3.21149 27] LEAVE: Mono.Xml2.XmlTextReader/DtdInputStateStack:.ctor ()
[0x7fad7d2d0740:      3.21198      27]      ENTER:      Mono.Xml2.XmlTextReader:InitializeContext
(string,System.Xml.XmlParserContext,System.IO.TextReader,System.Xml.XmlNodeType)(this:0x7fad7d1b2b
d0[Mono.Xml2.XmlTextReader smuxi-frontend-gnome.exe], [STRING:0x7fad7d1afee0:], (nil),
[System.Xml.XmlStreamReader:0x7fad7d134a20], 9, )
[0x7fad7d2d0740:      3.21199      28]      ENTER:      (wrapper      managed-to-native)
object: __icall_wrapper_mono_object_new_fast (intptr)(0x249d6e0, )

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[0x7fad7d2d0740:      3.21200      28]      LEAVE:      (wrapper      managed-to-native)
object: __icall_wrapper_mono_object_new_fast (intptr)[System.Xml.NameTable:0x7fad799d15c0]
[0x7fad7d2d0740:      3.21201      28]      ENTER:      System.Xml.NameTable:.ctor
()(this:0x7fad799d15c0[System.Xml.NameTable smuxi-frontend-gnome.exe], )
[0x7fad7d2d0740:      3.21202      29]      ENTER:      (wrapper      managed-to-native)
object: __icall_wrapper_mono_array_new_specific (intptr,int)(0x249d8a0, 128, )
[0x7fad7d2d0740:      3.21203      29]      LEAVE:      (wrapper      managed-to-native)
object: __icall_wrapper_mono_array_new_specific (intptr,int)[.Entry[]:0x7fad796b0550]
[0x7fad7d2d0740: 3.24094 28] LEAVE: System.Xml.NameTable:.ctor ()
[0x7fad7d2d0740:      3.24096      28]      ENTER:      (wrapper      managed-to-native)
object: __icall_wrapper_mono_object_new_fast (intptr)(0x249e9d0, )
[0x7fad7d2d0740:      3.24097      28]      LEAVE:      (wrapper      managed-to-native)
object: __icall_wrapper_mono_object_new_fast
(intptr)[System.Xml.XmlNamespaceManager:0x7fad799c7f40]
[0x7fad7d2d0740:      3.24111      28]      ENTER:      System.Xml.XmlNamespaceManager:.ctor
(System.Xml.XmlNameTable)(this:0x7fad799c7f40[System.Xml.XmlNamespaceManager
smuxi-frontend-gnome.exe], [System.Xml.NameTable:0x7fad799d15c0], )
[0x7fad7d2d0740:      3.24125      29]      ENTER:      System.Xml.NameTable:Add
(string)(this:0x7fad799d15c0[System.Xml.NameTable
smuxi-frontend-gnome.exe],
[STRING:0x7fad796a7668.xmlns], )
[0x7fad7d2d0740:      3.24140      30]      ENTER:      System.Xml.NameTable:AddEntry
(string,int)(this:0x7fad799d15c0[System.Xml.NameTable
smuxi-frontend-gnome.exe],
[STRING:0x7fad796a7668.xmlns], 114177052, )
[0x7fad7d2d0740:      3.24141      31]      ENTER:      (wrapper      managed-to-native)
object: __icall_wrapper_mono_object_new_fast (intptr)(0x249eff0, )
[0x7fad7d2d0740:      3.24142      31]      LEAVE:      (wrapper      managed-to-native)
object: __icall_wrapper_mono_object_new_fast (intptr)[.Entry:0x7fad7d2ccb68]
[0x7fad7d2d0740:      3.24147      31]      ENTER:      System.Xml.NameTable/Entry:.ctor
(string,int,System.Xml.NameTable/Entry)(this:0x7fad7d2ccb68[.Entry
smuxi-frontend-gnome.exe],
[STRING:0x7fad796a7668.xmlns], 114177052, (nil), )
[0x7fad7d2d0740:      3.24149      31]      LEAVE:      System.Xml.NameTable/Entry:.ctor
(string,int,System.Xml.NameTable/Entry)
[0x7fad7d2d0740: 3.24162 31] ENTER: (wrapper stelemref) object:virt_stelemref_class
(intptr,object)(this:0x7fad796b0550[.Entry[] smuxi-frontend-gnome.exe], 0x1c, [.Entry:0x7fad7d2ccb68], )
[0x7fad7d2d0740:      3.24163      32]      ENTER:      (wrapper      managed-to-native)
object: __icall_wrapper_mono_object_isinst (object,intptr)([.Entry:0x7fad7d2ccb68], 0x2497f18, )
[0x7fad7d2d0740:      3.24164      32]      LEAVE:      (wrapper      managed-to-native)
object: __icall_wrapper_mono_object_isinst (object,intptr)[.Entry:0x7fad7d2ccb68]
[0x7fad7d2d0740: 3.24165 31] LEAVE: (wrapper stelemref) object:virt_stelemref_class (intptr,object)
[0x7fad7d2d0740:      3.24166      30]      LEAVE:      System.Xml.NameTable:AddEntry
(string,int)[STRING:0x7fad796a7668.xmlns]
[0x7fad7d2d0740:      3.24166      29]      LEAVE:      System.Xml.NameTable:Add
(string)[STRING:0x7fad796a7668.xmlns]
[0x7fad7d2d0740:      3.24167      29]      ENTER:      System.Xml.NameTable:Add
(string)(this:0x7fad799d15c0[System.Xml.NameTable
smuxi-frontend-gnome.exe],
[STRING:0x7fad796a6840.xml], )
[0x7fad7d2d0740:      3.24168      30]      ENTER:      System.Xml.NameTable:AddEntry
(string,int)(this:0x7fad799d15c0[System.Xml.NameTable
smuxi-frontend-gnome.exe],
[STRING:0x7fad796a6840.xml], 118807, )
[0x7fad7d2d0740:      3.24169      31]      ENTER:      (wrapper      managed-to-native)
object: __icall_wrapper_mono_object_new_fast (intptr)(0x249eff0, )
[0x7fad7d2d0740:      3.24170      31]      LEAVE:      (wrapper      managed-to-native)
object: __icall_wrapper_mono_object_new_fast (intptr)[.Entry:0x7fad7d2ccb40]

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[0x7fad7d2d0740:      3.24170      31]      ENTER:      System.Xml.NameTable/Entry::.ctor
(string,int,System.Xml.NameTable/Entry)(this:0x7fad7d2ccb40[.Entry      smuxi-frontend-gnome.exe],
[STRING:0x7fad796a6840:xml], 118807, (nil), )
[0x7fad7d2d0740:      3.24171      31]      LEAVE:      System.Xml.NameTable/Entry::.ctor
(string,int,System.Xml.NameTable/Entry)
[0x7fad7d2d0740:      3.24172      31]      ENTER:      (wrapper      stelemref)      object:virt_stelemref_class
(intptr,object)(this:0x7fad796b0550[.Entry[] smuxi-frontend-gnome.exe], 0x17, [.Entry:0x7fad7d2ccb40], )
[0x7fad7d2d0740:      3.24173      32]      ENTER:      (wrapper      managed-to-native)
object:__icall_wrapper_mono_object_isinst (object,intptr)([.Entry:0x7fad7d2ccb40], 0x2497f18, )
[0x7fad7d2d0740:      3.24174      32]      LEAVE:      (wrapper      managed-to-native)
object:__icall_wrapper_mono_object_isinst (object,intptr)[.Entry:0x7fad7d2ccb40]
[0x7fad7d2d0740: 3.24174 31] LEAVE: (wrapper stelemref) object:virt_stelemref_class (intptr,object)
[0x7fad7d2d0740:      3.24175      30]      LEAVE:      System.Xml.NameTable:AddEntry
(string,int)[STRING:0x7fad796a6840:xml]
[0x7fad7d2d0740: 3.24176 29] LEAVE: System.Xml.NameTable:Add (string)[STRING:0x7fad796a6840:xml]
[0x7fad7d2d0740:      3.24177      29]      ENTER:      System.Xml.NameTable:Add
(string)(this:0x7fad799d15c0[System.Xml.NameTable      smuxi-frontend-gnome.exe],
[STRING:0x7fad7d1afee0:], )
[0x7fad7d2d0740: 3.24177 29] LEAVE: System.Xml.NameTable:Add (string)[STRING:0x7fad7d1afee0:]
[0x7fad7d2d0740:      3.24178      29]      ENTER:      System.Xml.NameTable:Add
(string)(this:0x7fad799d15c0[System.Xml.NameTable      smuxi-frontend-gnome.exe],
[STRING:0x7fad7d2cda80:http://www.w3.org/2000/xmlns/], )
[0x7fad7d2d0740:      3.24179      30]      ENTER:      System.Xml.NameTable:AddEntry
(string,int)(this:0x7fad799d15c0[System.Xml.NameTable      smuxi-frontend-gnome.exe],
[STRING:0x7fad7d2cda80:http://www.w3.org/2000/xmlns/], 557947472, )
[0x7fad7d2d0740:      3.24180      31]      ENTER:      (wrapper      managed-to-native)
object:__icall_wrapper_mono_object_new_fast (intptr)(0x249eff0, )
[0x7fad7d2d0740:      3.24181      31]      LEAVE:      (wrapper      managed-to-native)
object:__icall_wrapper_mono_object_new_fast (intptr)[.Entry:0x7fad7d2ccb18]
[0x7fad7d2d0740:      3.24181      31]      ENTER:      System.Xml.NameTable/Entry::.ctor
(string,int,System.Xml.NameTable/Entry)(this:0x7fad7d2ccb18[.Entry      smuxi-frontend-gnome.exe],
[STRING:0x7fad7d2cda80:http://www.w3.org/2000/xmlns/], 557947472, (nil), )
[0x7fad7d2d0740:      3.24182      31]      LEAVE:      System.Xml.NameTable/Entry::.ctor
(string,int,System.Xml.NameTable/Entry)
[0x7fad7d2d0740:      3.24183      31]      ENTER:      (wrapper      stelemref)      object:virt_stelemref_class
(intptr,object)(this:0x7fad796b0550[.Entry[] smuxi-frontend-gnome.exe], 0x50, [.Entry:0x7fad7d2ccb18], )
[0x7fad7d2d0740:      3.24184      32]      ENTER:      (wrapper      managed-to-native)
object:__icall_wrapper_mono_object_isinst (object,intptr)([.Entry:0x7fad7d2ccb18], 0x2497f18, )
[0x7fad7d2d0740:      3.24185      32]      LEAVE:      (wrapper      managed-to-native)
object:__icall_wrapper_mono_object_isinst (object,intptr)[.Entry:0x7fad7d2ccb18]
[0x7fad7d2d0740: 3.24185 31] LEAVE: (wrapper stelemref) object:virt_stelemref_class (intptr,object)
[0x7fad7d2d0740:      3.24186      30]      LEAVE:      System.Xml.NameTable:AddEntry
(string,int)[STRING:0x7fad7d2cda80:http://www.w3.org/2000/xmlns/]
[0x7fad7d2d0740:      3.24187      29]      LEAVE:      System.Xml.NameTable:Add
(string)[STRING:0x7fad7d2cda80:http://www.w3.org/2000/xmlns/]
[0x7fad7d2d0740:      3.24187      29]      ENTER:      System.Xml.NameTable:Add
(string)(this:0x7fad799d15c0[System.Xml.NameTable      smuxi-frontend-gnome.exe],
[STRING:0x7fad7d139e00:http://www.w3.org/XML/1998/namespace], )
[0x7fad7d2d0740:      3.24188      30]      ENTER:      System.Xml.NameTable:AddEntry
(string,int)(this:0x7fad799d15c0[System.Xml.NameTable      smuxi-frontend-gnome.exe],
[STRING:0x7fad7d139e00:http://www.w3.org/XML/1998/namespace], 1952986079, )
[0x7fad7d2d0740:      3.24189      31]      ENTER:      (wrapper      managed-to-native)
object:__icall_wrapper_mono_object_new_fast (intptr)(0x249eff0, )

```

```

[0x7fad7d2d0740:      3.24190      31]      LEAVE:      (wrapper      managed-to-native)
object: __icall_wrapper_mono_object_new_fast (intptr)[.Entry:0x7fad7d2ccaf0]
[0x7fad7d2d0740:      3.24191      31]      ENTER:      System.Xml.NameTable/Entry:.ctor
(string,int,System.Xml.NameTable/Entry)(this:0x7fad7d2ccaf0[.Entry      smuxi-frontend-gnome.exe],
[STRING:0x7fad7d139e00:http://www.w3.org/XML/1998/namespace], 1952986079, (nil), )
[0x7fad7d2d0740:      3.24192      31]      LEAVE:      System.Xml.NameTable/Entry:.ctor
(string,int,System.Xml.NameTable/Entry)
[0x7fad7d2d0740:      3.24192      31]      ENTER:      (wrapper      stelemref)      object:virt_stelemref_class
(intptr,object)(this:0x7fad796b0550[.Entry[] smuxi-frontend-gnome.exe], 0x5f, [.Entry:0x7fad7d2ccaf0], )
[0x7fad7d2d0740:      3.24193      32]      ENTER:      (wrapper      managed-to-native)
object: __icall_wrapper_mono_object_isinst (object,intptr)([.Entry:0x7fad7d2ccaf0], 0x2497f18, )
[0x7fad7d2d0740:      3.24194      32]      LEAVE:      (wrapper      managed-to-native)
object: __icall_wrapper_mono_object_isinst (object,intptr)[.Entry:0x7fad7d2ccaf0]
[0x7fad7d2d0740: 3.24195 31] LEAVE: (wrapper stelemref) object:virt_stelemref_class (intptr,object)
[0x7fad7d2d0740:      3.24195      30]      LEAVE:      System.Xml.NameTable:AddEntry
(string,int)[STRING:0x7fad7d139e00:http://www.w3.org/XML/1998/namespace]
[0x7fad7d2d0740:      3.24196      29]      LEAVE:      System.Xml.NameTable:Add
(string)[STRING:0x7fad7d139e00:http://www.w3.org/XML/1998/namespace]
[0x7fad7d2d0740:      3.24206      29]      ENTER:      System.Xml.XmlNamespaceManager:InitData
()(this:0x7fad799c7f40[System.Xml.XmlNamespaceManager smuxi-frontend-gnome.exe], )
[0x7fad7d2d0740:      3.24208      30]      ENTER:      (wrapper      managed-to-native)
object: __icall_wrapper_mono_array_new_specific (intptr,int)(0x249f140, 10, )
[0x7fad7d2d0740:      3.24209      30]      LEAVE:      (wrapper      managed-to-native)
object: __icall_wrapper_mono_array_new_specific (intptr,int)[.NsDecl[]:0x7fad799c2e40]
[0x7fad7d2d0740:      3.24209      30]      ENTER:      (wrapper      managed-to-native)
object: __icall_wrapper_mono_array_new_specific (intptr,int)(0x249f348, 40, )
[0x7fad7d2d0740:      3.24210      30]      LEAVE:      (wrapper      managed-to-native)
object: __icall_wrapper_mono_array_new_specific (intptr,int)[.NsScope[]:0x7fad799d2660]
[0x7fad7d2d0740: 3.24211 29] LEAVE: System.Xml.XmlNamespaceManager:InitData ()
[0x7fad7d2d0740:      3.24212      28]      LEAVE:      System.Xml.XmlNamespaceManager:.ctor
(System.Xml.XmlNameTable)
[0x7fad7d2d0740:      3.24212      28]      ENTER:      (wrapper      managed-to-native)
object: __icall_wrapper_mono_object_new_fast (intptr)(0x249eaa8, )
[0x7fad7d2d0740:      3.24213      28]      LEAVE:      (wrapper      managed-to-native)
object: __icall_wrapper_mono_object_new_fast (intptr)[System.Xml.XmlParserContext:0x7fad7d1b8af0]
[0x7fad7d2d0740:      3.24218      28]      ENTER:      System.Xml.XmlParserContext:.ctor
(System.Xml.XmlNameTable,System.Xml.XmlNamespaceManager,string,System.Xml.XmlSpace)(this:0x7fad
7d1b8af0[System.Xml.XmlParserContext      smuxi-frontend-gnome.exe],
[System.Xml.NameTable:0x7fad799d15c0],      [System.Xml.XmlNamespaceManager:0x7fad799c7f40],
[STRING:0x7fad7d1afee0:], 0, )
[0x7fad7d2d0740:      3.27210      29]      ENTER:      System.Xml.XmlParserContext:.ctor
(System.Xml.XmlNameTable,System.Xml.XmlNamespaceManager,string,string,string,string,string,Syst
em.Xml.XmlSpace,System.Text.Encoding)(this:0x7fad7d1b8af0[System.Xml.XmlParserContext
smuxi-frontend-gnome.exe],      [System.Xml.NameTable:0x7fad799d15c0],
[System.Xml.XmlNamespaceManager:0x7fad799c7f40], [STRING:null], [STRING:null], [STRING:null],
[STRING:null], [STRING:null], [STRING:0x7fad7d1afee0:], 0, (nil), )
[0x7fad7d2d0740:      3.27230      30]      ENTER:      System.Xml.XmlParserContext:.ctor
(System.Xml.XmlNameTable,System.Xml.XmlNamespaceManager,Mono.Xml.DTDOBJECTModel,string,string,$
ystem.Xml.XmlSpace,System.Text.Encoding)(this:0x7fad7d1b8af0[System.Xml.XmlParserContext
smuxi-frontend-gnome.exe],      [System.Xml.NameTable:0x7fad799d15c0],
[System.Xml.XmlNamespaceManager:0x7fad799c7f40], (nil), [STRING:null], [STRING:0x7fad7d1afee0:], 0,
(nil), )
[0x7fad7d2d0740:      3.27236      31]      ENTER:      System.Xml.XmlParserContext:set_BaseURI

```


libcomerr2 1.42.8-1
libcups2 1.6.3-1
libdbus-glib1.0-cil 0.5.0-4
libdbus1.0-cil 0.7.0-5
libenchanted1c2a 1.6.0-10
libffi6 3.0.13-4
libfontconfig1 2.11.0-1
libfreetype6 2.4.9-1.1
libgcrypt11 1.5.3-2
libgdiplus 2.11+git20131008.9732566-1
libgdk-pixbuf2.0-0 2.28.2-1
libglade2-0 1:2.6.4-1
libglade2.0-cil 2.12.10-5
libglib2.0-0 2.36.4-1
libglib2.0-cil 2.12.10-5
libgnutls26 2.12.23-8
libgssapi-krb5-2 1.11.3+dfsg-3
libgtk2.0-0 2.24.22-1
libgtk2.0-cil 2.12.10-5
libgtk2.0-common 2.24.22-1
libgtkspell0 2.0.16-1
libindicate0.1-cil 0.6.92-1
libindicate5 0.6.92-1
libk5crypto3 1.11.3+dfsg-3
libkrb5-3 1.11.3+dfsg-3
liblog4net1.2-cil 1.2.10+dfsg-6
libmono-cairo4.0-cil 3.0.6+dfsg2-8
libmono-corlib4.0-cil 3.0.6+dfsg2-8
libmono-corlib4.5-cil 3.0.6+dfsg2-8
libmono-data-tds4.0-cil 3.0.6+dfsg2-8
libmono-posix4.0-cil 3.0.6+dfsg2-8
libmono-security4.0-cil 3.0.6+dfsg2-8
libmono-sqlite4.0-cil 3.0.6+dfsg2-8
libmono-system-configuration4.0-cil 3.0.6+dfsg2-8
libmono-system-core4.0-cil 3.0.6+dfsg2-8
libmono-system-data-linq4.0-cil 3.0.6+dfsg2-8
libmono-system-data4.0-cil 3.0.6+dfsg2-8
libmono-system-drawing4.0-cil 3.0.6+dfsg2-8
libmono-system-enterpriseservices4.0-cil 3.0.6+dfsg2-8
libmono-system-identitymodel-selectors4.0-cil 3.0.6+dfsg2-8
libmono-system-identitymodel4.0-cil 3.0.6+dfsg2-8
libmono-system-messaging4.0-cil 3.0.6+dfsg2-8
libmono-system-runtime-serialization-formatters-soap4.0-cil 3.0.6+dfsg2-8
libmono-system-runtime-serialization4.0-cil 3.0.6+dfsg2-8
libmono-system-runtime4.0-cil 3.0.6+dfsg2-8
libmono-system-security4.0-cil 3.0.6+dfsg2-8
libmono-system-servicemodel4.0-cil 3.0.6+dfsg2-8
libmono-system-transactions4.0-cil 3.0.6+dfsg2-8
libmono-system-web-applicationservices4.0-cil 3.0.6+dfsg2-8
libmono-system-web-services4.0-cil 3.0.6+dfsg2-8
libmono-system-web4.0-cil 3.0.6+dfsg2-8
libmono-system-xml-linq4.0-cil 3.0.6+dfsg2-8
libmono-system-xml4.0-cil 3.0.6+dfsg2-8

```
libmono-system4.0-cil 3.0.6+dfsg2-8
libmono-web4.0-cil 3.0.6+dfsg2-8
libnini1.1-cil 1.1.0+dfsg.2-4
libnotify0.4-cil 0.4.0~r3032-6
libpango-1.0-0 1.36.0-1
libpango1.0-0 1.36.0-1
libpangocairo-1.0-0 1.36.0-1
libpangoft2-1.0-0 1.36.0-1
libpcre3 1:8.31-2
librsvg2-2 2.40.0-1
librsvg2-common 2.40.0-1
libselenium1 2.1.13-3
libx11-6 2:1.6.2-1
libxcomposite1 1:0.4.4-1
libxcursor1 1:1.1.14-1
libxdamage1 1:1.1.4-1
libxext6 2:1.3.2-1
libxfixes3 1:5.0.1-1
libxi6 2:1.7.2-1
libxinerama1 2:1.1.3-1
libxrandr2 2:1.4.1-1
libxrender1 1:0.9.8-1
mono-gac 3.0.6+dfsg2-8
mono-runtime 3.0.6+dfsg2-8
mono-runtime-sgen 3.0.6+dfsg2-8
multiarch-support 2.17-93
shared-mime-info 1.0-1+b1
smuxi 0.9-1
smuxi-engine 0.9-1
smuxi-frontend-gnome 0.9-1
zlib1g 1:1.2.8.dfsg-1
</pre>
```

History

11/13/2013 07:34 PM - Mirco Bauer

- Status changed from New to Feedback

So they hang on startup and nothing happens? Please run the following from the same terminal that you use to start smuxi-server or smuxi-frontend-gnome and paste the output:

```
grep SigBlk /proc/self/status
```

11/13/2013 10:32 PM - Infinity Zero

Currently server is running OK, frontend hangs every time:

```
<pre>
$ smuxi-frontend-gnome &
[1] 29367
$ grep SigBlk /proc/self/status
SigBlk: 00007ffe3d221290
$ grep SigBlk /proc/29367/status
SigBlk: 00007ffa3d221290
```

\$

</pre>

11/14/2013 04:49 PM - Infinity Zero

<pre>

```
$ cat ./get-sigblk.sh
#!/bin/sh
echo "# sigblk of $1 and direct children"
echo "# pid ppid sigblk args"
{ ps -opid=,ppid=,args= -p $1 --ppid=$1; } | while read x p y; do
  echo $x $p $(grep SigBlk /proc/$x/status) $y
done
```

</pre>

h2. gnome-session quirks

I logout with xfce4-terminal open, a child of gnome-panel; then log back in.

Sometimes xfce4-terminal doesn't show up. but when it does, it always has a different non-0 SigBlk, even if the previous instance had 0 SigBlk. It has also detached from gnome-panel, and is a direct child of gnome-session.

```
<pre>
$ ./get-sigblk $(pidof gnome-session)
# sigblk of 13462 and direct children
# pid ppid sigblk args
13462 13140 SigBlk: 0000000000000000 gnome-session --session gnome-fallback
13712 13462 SigBlk: 00000000023262a0 gnome-panel --sm-client-id 106ab6feb6ee9ae63138444076344777600000208680000
13795 13462 SigBlk: 00007ffe190ade30 xfce4-terminal --geometry=267x77 --display :0.0 --role=xfce4-terminal-1384441236-1420310038
--show-menubar --show-borders --hide-toolbar --working-directory /home/infinity0 --sm-client-id
10409af4e88eadb3fb138444123671792400000045930038
[other info redacted]
</pre>
```

When I close xfce4-terminal and re-launch it from gnome-panel, xfce4-terminal always has non-0 SigBlk. However, when I kill gnome-panel (forcing it to be restarted), then sometimes it works - see below.

h2. gnome-panel quirks

I kill gnome-panel, sometimes gnome crashes with "you must log out" message so I need to re-log.

More often than not, it restarts correctly. I then close all instances of xfce4-terminal (re-launching re-uses the process), and also re-launch gedit and smuxi-frontend-gnome.

- gedit always has 0 SigBlk
- smuxi-frontend-gnome always has the same non-0 SigBlk as gnome-panel
- xfce4-terminal sometimes has non-0 SigBlk

The SigBlk behaviour (either 0 or non-0) of the children remain the same, until I kill gnome-panel again.

```
<pre>
$ ./get-sigblk $(pidof gnome-panel)
# sigblk of 15103 and direct children
# pid ppid sigblk args
15103 7483 SigBlk: 00000000027902c0 gnome-panel
```

```
15226 15103 SigBlk: 00000000027902c0 mono --debug /usr/lib/smuxi/smuxi-frontend-gnome.exe
15573 15103 SigBlk: 00007ffe17e94c80 xfce4-terminal --geometry=120x40+0-0
16137 15103 SigBlk: 0000000000000000 gedit
</pre>
```

```
<pre>
$ ./get-sigblk $(pidof gnome-panel)
# sigblk of 23068 and direct children
# pid ppid sigblk args
23068 21802 SigBlk: 00007ffe0fd98090 gnome-panel
23159 23068 SigBlk: 0000000000000000 xfce4-terminal --geometry=120x40+0-0
31856 23068 SigBlk: 00007ffa0fd98090 mono --debug /usr/lib/smuxi/smuxi-frontend-gnome.exe
31864 23068 SigBlk: 0000000000000000 gedit
</pre>
```

"Sometimes" seems to follow this pattern:

- ("good") if SigBlk of gnome-panel starts 00007ff, xfce4-terminal will have 0 SigBlk
- ("bad") if SigBlk of gnome-panel starts 0000000, xfce4-terminal will have SigBlk starting with 00007ff

I've tried it 20+ times and have not observed anything different. I couldn't see a pattern on why the SigBlk of gnome-panel is different between different runs. It keeps switching - i.e. even if one run is "good", if I kill it (in the same gnome-session), the next run might be "bad".

From the 0-SigBlk xfce4-terminal, I can launch smuxi-frontend-gnome and it will also have 0 SigBlk.

h2. smuxi

TL;DR I am able to get smuxi-server, smuxi-frontend-gnome working reliably by repeatedly (killing gnome-panel, and re-starting xfce4-terminal) until the latter has a 0 SigBlk, then launching smuxi from the terminal rather than from gnome-panel.

11/14/2013 05:01 PM - Infinity Zero

"smuxi-frontend-gnome always has the same non-0 SigBlk as gnome-panel" actually this directly contradicts the dump I posted, it seems they are similar but not exactly the same.

11/16/2013 02:16 PM - Mirco Bauer

Infinity Zero wrote:

> "smuxi-frontend-gnome always has the same non-0 SigBlk as gnome-panel" actually this directly contradicts the dump I posted, it seems they are similar but not exactly the same.

I think this simply means that mono/smuxi is never touching it's signal block mask itself but simply uses the inherited mask. gedit on the other hand always seems to clear it. At least in the gedit case there should be code inside doing this...

For the reference, this issue is tracked in Debian here:

<http://bugs.debian.org/cgi-bin/bugreport.cgi?bug=728743>