

OpenNebula - Bug #1017

Serious performance issue with onevm list

12/02/2011 11:03 AM - Cyril Rohr

Status:	Closed	Start date:	12/02/2011
Priority:	Normal	Due date:	
Assignee:	Tino Vázquez	% Done:	100%
Category:	CLI	Estimated time:	0.00 hour
Target version:	Release 3.4 - S0	Pull request:	
Resolution:	fixed		
Affected Versions:	OpenNebula 3.2		

Description

In our local OpenNebula installation, after having submitted ~150 VMs the onevm list command becomes unusable:

```
-bash-3.2$ time onevm list a
```

```
  ID USER  GROUP  NAME    STAT CPU  MEM  HOSTNAME  TIME
 1710 crohr  users  VM-0    runn  0 252.3M paramount-2.ren 00 01:15:22
 1711 crohr  users  VM-1    runn  0 252.3M paramount-2.ren 00 01:15:22
 1712 crohr  users  VM-2    runn  0 252.3M paramount-2.ren 00 01:15:21
 1713 crohr  users  VM-3    runn  0 252.3M paramount-10.re 00 01:15:20
 1720 crohr  users  VM-0    runn  0 252.3M paramount-25.re 00 00:26:04
 1721 crohr  users  VM-1    runn  0 252.3M paramount-25.re 00 00:26:04
 1722 crohr  users  VM-2    runn  0 252.3M paramount-25.re 00 00:26:03
 1723 crohr  users  VM-3    runn  0 252.3M paramount-27.re 00 00:26:03
 1724 crohr  users  VM-1    runn  0 252.3M paramount-25.re 00 00:24:42
 1725 crohr  users  VM-0    runn  0 252.3M paramount-25.re 00 00:24:42
 1726 crohr  users  VM-5    runn  0 252.3M paramount-25.re 00 00:24:42
 1727 crohr  users  VM-6    runn  0 252.3M paramount-27.re 00 00:24:42
 1728 crohr  users  VM-8    runn  0 252.3M paramount-27.re 00 00:24:42
 1729 crohr  users  VM-3    runn  0 252.3M paramount-27.re 00 00:24:42
 1730 crohr  users  VM-4    runn  0 252.3M paradent-15.ren 00 00:24:42
 1731 crohr  users  VM-9    runn  0 252.3M paradent-15.ren 00 00:24:42
 1732 crohr  users  VM-7    runn  0 252.3M paradent-15.ren 00 00:24:42
 1733 crohr  users  VM-2    runn  0 252.3M paramount-25.re 00 00:24:42
 1734 crohr  users  VM-13   runn  0 252.3M paramount-25.re 00 00:24:39
 1735 crohr  users  VM-12   runn  0 252.3M paramount-25.re 00 00:24:39
 1736 crohr  users  VM-17   runn  0 252.3M paramount-27.re 00 00:24:38
 1737 crohr  users  VM-15   runn  0 252.3M paramount-27.re 00 00:24:38
 1738 crohr  users  VM-14   runn  0 252.3M paramount-27.re 00 00:24:38
 1739 crohr  users  VM-16   runn  0 252.3M paradent-15.ren 00 00:24:38
 1740 crohr  users  VM-10   runn  0 252.3M paradent-15.ren 00 00:24:38
 1741 crohr  users  VM-11   runn  0 252.3M paradent-15.ren 00 00:24:38
 1742 crohr  users  VM-18   runn  0 252.3M paramount-25.re 00 00:24:38
 1743 crohr  users  VM-19   runn  0 252.3M paramount-25.re 00 00:24:38
 1744 crohr  users  VM-20   runn  0 252.3M paramount-25.re 00 00:24:36
 1745 crohr  users  VM-21   runn  0 252.3M paramount-27.re 00 00:24:36
 1746 crohr  users  VM-22   runn  0 252.3M paramount-27.re 00 00:24:35
 1747 crohr  users  VM-23   runn  0 252.3M paramount-27.re 00 00:24:34
 1748 crohr  users  VM-25   runn  0 252.3M paradent-15.ren 00 00:24:34
 1749 crohr  users  VM-24   runn  0 252.3M paradent-15.ren 00 00:24:34
 1750 crohr  users  VM-26   runn  0 252.3M paradent-15.ren 00 00:24:34
```

1751	crohr	users	VM-27	runn	0	252.3M	paramount-25.re	00	00:24:33
1752	crohr	users	VM-29	runn	0	252.3M	paramount-25.re	00	00:24:33
1753	crohr	users	VM-28	runn	0	252.3M	paramount-25.re	00	00:24:33
1754	crohr	users	VM-30	runn	0	252.3M	paramount-27.re	00	00:24:32
1755	crohr	users	VM-31	runn	0	252.3M	paramount-27.re	00	00:24:31
1756	crohr	users	VM-33	runn	0	252.3M	paramount-27.re	00	00:24:31
1757	crohr	users	VM-32	runn	0	252.3M	paradent-15.ren	00	00:24:31
1758	crohr	users	VM-34	runn	0	252.3M	paradent-15.ren	00	00:24:30
1759	crohr	users	VM-35	runn	0	252.3M	paradent-15.ren	00	00:24:30
1760	crohr	users	VM-36	runn	0	252.3M	paramount-25.re	00	00:24:30
1761	crohr	users	VM-37	runn	0	252.3M	paramount-27.re	00	00:24:28
1762	crohr	users	VM-38	runn	0	252.3M	paramount-27.re	00	00:24:28
1763	crohr	users	VM-39	runn	0	252.3M	paramount-27.re	00	00:24:28
1764	crohr	users	VM-40	runn	0	252.3M	paradent-15.ren	00	00:24:27
1765	crohr	users	VM-41	runn	0	252.3M	paradent-15.ren	00	00:24:27
1766	crohr	users	VM-42	runn	0	252.3M	paradent-15.ren	00	00:24:27
1767	crohr	users	VM-43	fail	0	OK		00	00:00:39
1768	crohr	users	VM-44	runn	0	252.3M	paradent-15.ren	00	00:24:25
1769	crohr	users	VM-46	runn	0	252.3M	paradent-15.ren	00	00:24:25
1770	crohr	users	VM-45	runn	0	252.3M	paradent-15.ren	00	00:24:25
1771	crohr	users	VM-47	runn	0	252.3M	paradent-15.ren	00	00:24:24
1772	crohr	users	VM-49	runn	0	252.3M	paradent-15.ren	00	00:24:24
1773	crohr	users	VM-48	runn	0	252.3M	paradent-15.ren	00	00:24:24
1774	crohr	users	VM-51	runn	0	252.3M	paradent-15.ren	00	00:24:22
1775	crohr	users	VM-52	fail	0	OK		00	00:00:32
1776	crohr	users	VM-53	fail	0	OK		00	00:00:34
1777	crohr	users	VM-50	runn	0	252.3M	paradent-15.ren	00	00:24:22
1778	crohr	users	VM-54	runn	0	252.3M	paradent-15.ren	00	00:24:21
1779	crohr	users	VM-55	runn	0	252.3M	paradent-15.ren	00	00:24:21
1780	crohr	users	VM-56	fail	0	OK		00	00:00:32
1781	crohr	users	VM-59	fail	0	OK		00	00:00:31
1782	crohr	users	VM-58	runn	0	252.3M	paradent-15.ren	00	00:24:19
1783	crohr	users	VM-57	runn	0	252.3M	paradent-15.ren	00	00:24:19
1784	crohr	users	VM-60	runn	0	252.3M	paradent-15.ren	00	00:24:18
1785	crohr	users	VM-61	runn	0	252.3M	paradent-15.ren	00	00:24:18
1786	crohr	users	VM-62	runn	0	252.3M	paradent-15.ren	00	00:24:18
1787	crohr	users	VM-63	runn	0	252.3M	paradent-15.ren	00	00:24:18
1788	crohr	users	VM-64	runn	0	252.3M	paradent-15.ren	00	00:24:16
1789	crohr	users	VM-66	pend	0	OK		00	00:24:16
1790	crohr	users	VM-65	pend	0	OK		00	00:24:16
1791	crohr	users	VM-68	pend	0	OK		00	00:24:15
1792	crohr	users	VM-67	pend	0	OK		00	00:24:15
1793	crohr	users	VM-70	pend	0	OK		00	00:24:15
1794	crohr	users	VM-69	pend	0	OK		00	00:24:15
1795	crohr	users	VM-71	pend	0	OK		00	00:24:15
1796	crohr	users	VM-73	pend	0	OK		00	00:24:14
1797	crohr	users	VM-72	pend	0	OK		00	00:24:14
1798	crohr	users	VM-74	pend	0	OK		00	00:24:14
1799	crohr	users	VM-76	pend	0	OK		00	00:24:12
1800	crohr	users	VM-75	pend	0	OK		00	00:24:12
1801	crohr	users	VM-78	pend	0	OK		00	00:24:11
1802	crohr	users	VM-81	pend	0	OK		00	00:24:10
1803	crohr	users	VM-80	pend	0	OK		00	00:24:10

1804	crohr	users	VM-79	pend	0	OK	00 00:24:10
1805	crohr	users	VM-77	pend	0	OK	00 00:24:10
1806	crohr	users	VM-84	pend	0	OK	00 00:24:09
1807	crohr	users	VM-82	pend	0	OK	00 00:24:09
1808	crohr	users	VM-83	pend	0	OK	00 00:24:09
1809	crohr	users	VM-85	pend	0	OK	00 00:24:09
1810	crohr	users	VM-86	pend	0	OK	00 00:24:09
1811	crohr	users	VM-87	pend	0	OK	00 00:24:07
1812	crohr	users	VM-89	pend	0	OK	00 00:24:07
1813	crohr	users	VM-90	pend	0	OK	00 00:24:06
1814	crohr	users	VM-88	pend	0	OK	00 00:24:06
1815	crohr	users	VM-91	pend	0	OK	00 00:24:06
1816	crohr	users	VM-92	pend	0	OK	00 00:24:06
1817	crohr	users	VM-94	pend	0	OK	00 00:24:06
1818	crohr	users	VM-93	pend	0	OK	00 00:24:06
1819	crohr	users	VM-95	pend	0	OK	00 00:24:06
1820	crohr	users	VM-96	pend	0	OK	00 00:24:05
1821	crohr	users	VM-97	pend	0	OK	00 00:24:04
1822	crohr	users	VM-98	pend	0	OK	00 00:24:04
1823	crohr	users	VM-99	pend	0	OK	00 00:24:02
1824	crohr	users	VM-100	pend	0	OK	00 00:24:02
1825	crohr	users	VM-101	pend	0	OK	00 00:24:02
1826	crohr	users	VM-102	pend	0	OK	00 00:24:02
1827	crohr	users	VM-103	pend	0	OK	00 00:24:02
1828	crohr	users	VM-104	pend	0	OK	00 00:24:02
1829	crohr	users	VM-105	pend	0	OK	00 00:24:02
1830	crohr	users	VM-106	pend	0	OK	00 00:24:02
1831	crohr	users	VM-107	pend	0	OK	00 00:24:00
1832	crohr	users	VM-108	pend	0	OK	00 00:23:59
1833	crohr	users	VM-109	pend	0	OK	00 00:23:59
1834	crohr	users	VM-111	pend	0	OK	00 00:23:58
1835	crohr	users	VM-110	pend	0	OK	00 00:23:58
1836	crohr	users	VM-112	pend	0	OK	00 00:23:58
1837	crohr	users	VM-113	pend	0	OK	00 00:23:58
1838	crohr	users	VM-114	pend	0	OK	00 00:23:57
1839	crohr	users	VM-115	pend	0	OK	00 00:23:57
1840	crohr	users	VM-116	pend	0	OK	00 00:23:57
1841	crohr	users	VM-117	pend	0	OK	00 00:23:57
1842	crohr	users	VM-118	pend	0	OK	00 00:23:55
1843	crohr	users	VM-119	pend	0	OK	00 00:23:55
1844	crohr	users	VM-120	pend	0	OK	00 00:23:55
1845	crohr	users	VM-122	pend	0	OK	00 00:23:55
1846	crohr	users	VM-121	pend	0	OK	00 00:23:55
1847	crohr	users	VM-123	pend	0	OK	00 00:23:55
1848	crohr	users	VM-124	pend	0	OK	00 00:23:53
1849	crohr	users	VM-125	pend	0	OK	00 00:23:53
1850	crohr	users	VM-126	pend	0	OK	00 00:23:53
1851	crohr	users	VM-127	pend	0	OK	00 00:23:53
1852	crohr	users	VM-128	pend	0	OK	00 00:23:53
1853	crohr	users	VM-131	pend	0	OK	00 00:23:52
1854	crohr	users	VM-130	pend	0	OK	00 00:23:52
1855	crohr	users	VM-129	pend	0	OK	00 00:23:52
1856	crohr	users	VM-132	pend	0	OK	00 00:23:51

```

1857 crohr users VM-133 pend 0 OK 00 00:23:50
1858 crohr users VM-134 pend 0 OK 00 00:23:50
1859 crohr users VM-135 pend 0 OK 00 00:23:50
1860 crohr users VM-137 pend 0 OK 00 00:23:49
1861 crohr users VM-136 pend 0 OK 00 00:23:49
1862 crohr users VM-138 pend 0 OK 00 00:23:49
1863 crohr users VM-139 pend 0 OK 00 00:23:48
1864 crohr users VM-140 pend 0 OK 00 00:23:48
1865 crohr users VM-141 pend 0 OK 00 00:23:47
1866 crohr users VM-143 pend 0 OK 00 00:23:47
1867 crohr users VM-142 pend 0 OK 00 00:23:47
1868 crohr users VM-144 pend 0 OK 00 00:23:47
1869 crohr users VM-145 pend 0 OK 00 00:23:47
1870 crohr users VM-146 pend 0 OK 00 00:23:45
1871 crohr users VM-149 pend 0 OK 00 00:23:45
1872 crohr users VM-147 pend 0 OK 00 00:23:45
1873 crohr users VM-148 pend 0 OK 00 00:23:45
1874 jenkins users fr-inria--VM pend 0 OK 00 00:03:00

```

```

real 1m13.646s
user 1m12.723s
sys 0m0.696s

```

This is using a MySQL database (also tested with Sqlite).

After switching to NOKOGIRI, it takes only 10s less, so no real speedup.

Any chance you have a look?

Associated revisions

Revision 17e3ffc3 - 01/20/2012 03:15 PM - Daniel Molina

bug #1017: Add Nokogiri XMLRPCParser

Revision 575a2068 - 04/11/2012 03:02 PM - Daniel Molina

bug #1017: Add Nokogiri XMLRPCParser(cherry picked from commit 17e3ffc31e20e17285c36de615862b147577d16a)

History

#1 - 12/02/2011 01:51 PM - Cyril Rohr

OK, finally found the issue: the REXMLStreamParser XMLRPC is using by default is really slow. Switching to a Nokogiri based stream parser speeds up onevm list and compute listing from the OCCl interface by a factor of 100:

With default REXML Stream Parser:

```

-bash-3.2$ time onevm list a
  ID USER  GROUP  NAME    STAT CPU  MEM  HOSTNAME  TIME
 2062 crohr users  VM-2    prol  0   0K paradent-15.ren 00 00:06:18
 2063 crohr users  VM-5    prol  0   0K paradent-15.ren 00 00:06:18

```

2064	crohr	users	VM-3	prol	0	OK	paradent-15.ren	00	00:06:18
2065	crohr	users	VM-9	prol	0	OK	paradent-15.ren	00	00:06:18
2066	crohr	users	VM-8	prol	0	OK	paradent-15.ren	00	00:06:18
2067	crohr	users	VM-0	prol	0	OK	paradent-15.ren	00	00:06:18
2068	crohr	users	VM-4	prol	0	OK	paradent-15.ren	00	00:06:18
2069	crohr	users	VM-6	prol	0	OK	paradent-15.ren	00	00:06:18
2070	crohr	users	VM-1	prol	0	OK	paradent-15.ren	00	00:06:18
2071	crohr	users	VM-7	prol	0	OK	paradent-15.ren	00	00:06:18
2072	crohr	users	VM-10	prol	0	OK	paradent-15.ren	00	00:06:16
2073	crohr	users	VM-14	prol	0	OK	paradent-15.ren	00	00:06:15
2074	crohr	users	VM-13	prol	0	OK	paradent-15.ren	00	00:06:15
2075	crohr	users	VM-11	prol	0	OK	paradent-15.ren	00	00:06:15
2076	crohr	users	VM-12	prol	0	OK	paradent-15.ren	00	00:06:15
2077	crohr	users	VM-15	prol	0	OK	paradent-15.ren	00	00:06:14
2078	crohr	users	VM-17	prol	0	OK	paradent-15.ren	00	00:06:14
2079	crohr	users	VM-19	prol	0	OK	paradent-15.ren	00	00:06:14
2080	crohr	users	VM-16	prol	0	OK	paradent-15.ren	00	00:06:14
2081	crohr	users	VM-18	prol	0	OK	paradent-15.ren	00	00:06:14
2082	crohr	users	VM-20	prol	0	OK	paradent-15.ren	00	00:06:12
2083	crohr	users	VM-21	prol	0	OK	paradent-15.ren	00	00:06:12
2084	crohr	users	VM-22	prol	0	OK	paradent-15.ren	00	00:06:12
2085	crohr	users	VM-23	prol	0	OK	paradent-15.ren	00	00:06:12
2086	crohr	users	VM-24	prol	0	OK	paradent-15.ren	00	00:06:12
2087	crohr	users	VM-25	prol	0	OK	paradent-15.ren	00	00:06:12
2088	crohr	users	VM-26	prol	0	OK	paradent-15.ren	00	00:06:10
2089	crohr	users	VM-29	prol	0	OK	paradent-15.ren	00	00:06:10
2090	crohr	users	VM-27	prol	0	OK	paradent-15.ren	00	00:06:10
2091	crohr	users	VM-28	prol	0	OK	paradent-15.ren	00	00:06:10
2092	crohr	users	VM-31	prol	0	OK	paradent-15.ren	00	00:06:09
2093	crohr	users	VM-30	prol	0	OK	paradent-15.ren	00	00:06:09
2094	crohr	users	VM-35	pend	0	OK		00	00:06:08
2095	crohr	users	VM-33	pend	0	OK		00	00:06:08
2096	crohr	users	VM-32	pend	0	OK		00	00:06:08
2097	crohr	users	VM-34	pend	0	OK		00	00:06:08
2098	crohr	users	VM-36	pend	0	OK		00	00:06:07
2099	crohr	users	VM-37	pend	0	OK		00	00:06:07
2100	crohr	users	VM-38	pend	0	OK		00	00:06:07
2101	crohr	users	VM-39	pend	0	OK		00	00:06:07
2102	crohr	users	VM-41	pend	0	OK		00	00:06:06
2103	crohr	users	VM-40	pend	0	OK		00	00:06:06
2104	crohr	users	VM-42	pend	0	OK		00	00:06:05
2105	crohr	users	VM-43	pend	0	OK		00	00:06:04
2106	crohr	users	VM-44	pend	0	OK		00	00:06:04
2107	crohr	users	VM-45	pend	0	OK		00	00:06:04
2108	crohr	users	VM-48	pend	0	OK		00	00:06:04
2109	crohr	users	VM-47	pend	0	OK		00	00:06:03
2110	crohr	users	VM-49	pend	0	OK		00	00:06:03
2111	crohr	users	VM-46	pend	0	OK		00	00:06:03
2112	crohr	users	VM-50	pend	0	OK		00	00:06:03
2113	crohr	users	VM-51	pend	0	OK		00	00:06:03
2114	crohr	users	VM-52	pend	0	OK		00	00:06:02
2115	crohr	users	VM-53	pend	0	OK		00	00:06:01
2116	crohr	users	VM-54	pend	0	OK		00	00:06:01

2117	crohr	users	VM-55	pend	0	OK	00 00:06:01
2118	crohr	users	VM-56	pend	0	OK	00 00:06:01
2119	crohr	users	VM-59	pend	0	OK	00 00:06:00
2120	crohr	users	VM-58	pend	0	OK	00 00:06:00
2121	crohr	users	VM-57	pend	0	OK	00 00:06:00
2122	crohr	users	VM-60	pend	0	OK	00 00:06:00
2123	crohr	users	VM-61	pend	0	OK	00 00:06:00
2124	crohr	users	VM-62	pend	0	OK	00 00:05:59
2125	crohr	users	VM-63	pend	0	OK	00 00:05:59
2126	crohr	users	VM-64	pend	0	OK	00 00:05:58
2127	crohr	users	VM-65	pend	0	OK	00 00:05:58
2128	crohr	users	VM-66	pend	0	OK	00 00:05:58
2129	crohr	users	VM-67	pend	0	OK	00 00:05:56
2130	crohr	users	VM-70	pend	0	OK	00 00:05:56
2131	crohr	users	VM-69	pend	0	OK	00 00:05:56
2132	crohr	users	VM-71	pend	0	OK	00 00:05:56
2133	crohr	users	VM-68	pend	0	OK	00 00:05:56
2134	crohr	users	VM-72	pend	0	OK	00 00:05:55
2135	crohr	users	VM-73	pend	0	OK	00 00:05:55
2136	crohr	users	VM-74	pend	0	OK	00 00:05:54
2137	crohr	users	VM-76	pend	0	OK	00 00:05:54
2138	crohr	users	VM-75	pend	0	OK	00 00:05:54
2139	crohr	users	VM-79	pend	0	OK	00 00:05:53
2140	crohr	users	VM-78	pend	0	OK	00 00:05:53
2141	crohr	users	VM-81	pend	0	OK	00 00:05:53
2142	crohr	users	VM-77	pend	0	OK	00 00:05:53
2143	crohr	users	VM-82	pend	0	OK	00 00:05:52
2144	crohr	users	VM-83	pend	0	OK	00 00:05:52
2145	crohr	users	VM-80	pend	0	OK	00 00:05:52
2146	crohr	users	VM-86	pend	0	OK	00 00:05:51
2147	crohr	users	VM-84	pend	0	OK	00 00:05:51
2148	crohr	users	VM-85	pend	0	OK	00 00:05:50
2149	crohr	users	VM-87	pend	0	OK	00 00:05:49
2150	crohr	users	VM-89	pend	0	OK	00 00:05:49
2151	crohr	users	VM-88	pend	0	OK	00 00:05:49
2152	crohr	users	VM-90	pend	0	OK	00 00:05:49
2153	crohr	users	VM-92	pend	0	OK	00 00:05:48
2154	crohr	users	VM-91	pend	0	OK	00 00:05:48
2155	crohr	users	VM-93	pend	0	OK	00 00:05:48
2156	crohr	users	VM-94	pend	0	OK	00 00:05:47
2157	crohr	users	VM-95	pend	0	OK	00 00:05:47
2158	crohr	users	VM-96	pend	0	OK	00 00:05:47
2159	crohr	users	VM-97	pend	0	OK	00 00:05:47
2160	crohr	users	VM-98	pend	0	OK	00 00:05:47
2161	crohr	users	VM-99	pend	0	OK	00 00:05:47
2162	crohr	users	VM-100	pend	0	OK	00 00:05:46
2163	crohr	users	VM-102	pend	0	OK	00 00:05:45
2164	crohr	users	VM-103	pend	0	OK	00 00:05:44
2165	crohr	users	VM-101	pend	0	OK	00 00:05:44
2166	crohr	users	VM-104	pend	0	OK	00 00:05:44
2167	crohr	users	VM-106	pend	0	OK	00 00:05:44
2168	crohr	users	VM-105	pend	0	OK	00 00:05:44
2169	crohr	users	VM-107	pend	0	OK	00 00:05:43

2170	crohr	users	VM-108	pend	0	OK	00 00:05:43
2171	crohr	users	VM-109	pend	0	OK	00 00:05:43
2172	crohr	users	VM-110	pend	0	OK	00 00:05:43
2173	crohr	users	VM-111	pend	0	OK	00 00:05:42
2174	crohr	users	VM-112	pend	0	OK	00 00:05:41
2175	crohr	users	VM-113	pend	0	OK	00 00:05:41
2176	crohr	users	VM-114	pend	0	OK	00 00:05:41
2177	crohr	users	VM-115	pend	0	OK	00 00:05:41
2178	crohr	users	VM-116	pend	0	OK	00 00:05:41
2179	crohr	users	VM-117	pend	0	OK	00 00:05:41
2180	crohr	users	VM-118	pend	0	OK	00 00:05:41
2181	crohr	users	VM-119	pend	0	OK	00 00:05:39
2182	crohr	users	VM-120	pend	0	OK	00 00:05:39
2183	crohr	users	VM-121	pend	0	OK	00 00:05:39
2184	crohr	users	VM-122	pend	0	OK	00 00:05:38
2185	crohr	users	VM-123	pend	0	OK	00 00:05:37
2186	crohr	users	VM-124	pend	0	OK	00 00:05:37
2187	crohr	users	VM-128	pend	0	OK	00 00:05:37
2188	crohr	users	VM-127	pend	0	OK	00 00:05:37
2189	crohr	users	VM-126	pend	0	OK	00 00:05:37
2190	crohr	users	VM-125	pend	0	OK	00 00:05:37
2191	crohr	users	VM-129	pend	0	OK	00 00:05:36
2192	crohr	users	VM-130	pend	0	OK	00 00:05:36
2193	crohr	users	VM-131	pend	0	OK	00 00:05:36
2194	crohr	users	VM-132	pend	0	OK	00 00:05:35
2195	crohr	users	VM-138	pend	0	OK	00 00:05:33
2196	crohr	users	VM-133	pend	0	OK	00 00:05:33
2197	crohr	users	VM-136	pend	0	OK	00 00:05:33
2198	crohr	users	VM-137	pend	0	OK	00 00:05:33
2199	crohr	users	VM-134	pend	0	OK	00 00:05:33
2200	crohr	users	VM-135	pend	0	OK	00 00:05:33
2201	crohr	users	VM-139	pend	0	OK	00 00:05:33
2202	crohr	users	VM-141	pend	0	OK	00 00:05:33
2203	crohr	users	VM-140	pend	0	OK	00 00:05:32
2204	crohr	users	VM-142	pend	0	OK	00 00:05:32
2205	crohr	users	VM-144	pend	0	OK	00 00:05:30
2206	crohr	users	VM-143	pend	0	OK	00 00:05:30
2207	crohr	users	VM-145	pend	0	OK	00 00:05:30
2208	crohr	users	VM-149	pend	0	OK	00 00:05:29
2209	crohr	users	VM-148	pend	0	OK	00 00:05:29
2210	crohr	users	VM-146	pend	0	OK	00 00:05:29
2211	crohr	users	VM-147	pend	0	OK	00 00:05:29

real 0m58.317s

user 0m57.863s

sys 0m0.362s

crohr@parachute-wifi:~/bonfire-ssl \$ time curl -K secure.curl https://frontend.integration.bonfire.grid5000.fr/compute

<html>

<head><title>502 Bad Gateway</title></head>

<body bgcolor="white">

<center><h1>502 Bad Gateway</h1></center>

<hr><center>nginx/0.8.55</center>

</body>

</html>

real 0m30.737s

user 0m0.026s

sys 0m0.008s

With Nokogiri Stream Parser:

-bash-3.2\$ time onevm list a

ID	USER	GROUP	NAME	STAT	CPU	MEM	HOSTNAME	TIME
2062	crohr	users	VM-2	prol	0	0K	paradent-15.ren 00 00:04:35	
2063	crohr	users	VM-5	prol	0	0K	paradent-15.ren 00 00:04:35	
2064	crohr	users	VM-3	prol	0	0K	paradent-15.ren 00 00:04:35	
2065	crohr	users	VM-9	prol	0	0K	paradent-15.ren 00 00:04:35	
2066	crohr	users	VM-8	prol	0	0K	paradent-15.ren 00 00:04:35	
2067	crohr	users	VM-0	prol	0	0K	paradent-15.ren 00 00:04:35	
2068	crohr	users	VM-4	prol	0	0K	paradent-15.ren 00 00:04:35	
2069	crohr	users	VM-6	prol	0	0K	paradent-15.ren 00 00:04:35	
2070	crohr	users	VM-1	prol	0	0K	paradent-15.ren 00 00:04:35	
2071	crohr	users	VM-7	prol	0	0K	paradent-15.ren 00 00:04:35	
2072	crohr	users	VM-10	prol	0	0K	paradent-15.ren 00 00:04:33	
2073	crohr	users	VM-14	prol	0	0K	paradent-15.ren 00 00:04:32	
2074	crohr	users	VM-13	prol	0	0K	paradent-15.ren 00 00:04:32	
2075	crohr	users	VM-11	prol	0	0K	paradent-15.ren 00 00:04:32	
2076	crohr	users	VM-12	prol	0	0K	paradent-15.ren 00 00:04:32	
2077	crohr	users	VM-15	prol	0	0K	paradent-15.ren 00 00:04:31	
2078	crohr	users	VM-17	prol	0	0K	paradent-15.ren 00 00:04:31	
2079	crohr	users	VM-19	prol	0	0K	paradent-15.ren 00 00:04:31	
2080	crohr	users	VM-16	prol	0	0K	paradent-15.ren 00 00:04:31	
2081	crohr	users	VM-18	prol	0	0K	paradent-15.ren 00 00:04:31	
2082	crohr	users	VM-20	prol	0	0K	paradent-15.ren 00 00:04:29	
2083	crohr	users	VM-21	prol	0	0K	paradent-15.ren 00 00:04:29	
2084	crohr	users	VM-22	prol	0	0K	paradent-15.ren 00 00:04:29	
2085	crohr	users	VM-23	prol	0	0K	paradent-15.ren 00 00:04:29	
2086	crohr	users	VM-24	prol	0	0K	paradent-15.ren 00 00:04:29	
2087	crohr	users	VM-25	prol	0	0K	paradent-15.ren 00 00:04:29	
2088	crohr	users	VM-26	prol	0	0K	paradent-15.ren 00 00:04:27	
2089	crohr	users	VM-29	prol	0	0K	paradent-15.ren 00 00:04:27	
2090	crohr	users	VM-27	prol	0	0K	paradent-15.ren 00 00:04:27	
2091	crohr	users	VM-28	prol	0	0K	paradent-15.ren 00 00:04:27	
2092	crohr	users	VM-31	prol	0	0K	paradent-15.ren 00 00:04:26	
2093	crohr	users	VM-30	prol	0	0K	paradent-15.ren 00 00:04:26	
2094	crohr	users	VM-35	pend	0	0K	00 00:04:25	
2095	crohr	users	VM-33	pend	0	0K	00 00:04:25	
2096	crohr	users	VM-32	pend	0	0K	00 00:04:25	
2097	crohr	users	VM-34	pend	0	0K	00 00:04:25	
2098	crohr	users	VM-36	pend	0	0K	00 00:04:24	
2099	crohr	users	VM-37	pend	0	0K	00 00:04:24	
2100	crohr	users	VM-38	pend	0	0K	00 00:04:24	
2101	crohr	users	VM-39	pend	0	0K	00 00:04:24	

2102	crohr	users	VM-41	pend	0	OK	00 00:04:23
2103	crohr	users	VM-40	pend	0	OK	00 00:04:23
2104	crohr	users	VM-42	pend	0	OK	00 00:04:22
2105	crohr	users	VM-43	pend	0	OK	00 00:04:21
2106	crohr	users	VM-44	pend	0	OK	00 00:04:21
2107	crohr	users	VM-45	pend	0	OK	00 00:04:21
2108	crohr	users	VM-48	pend	0	OK	00 00:04:21
2109	crohr	users	VM-47	pend	0	OK	00 00:04:20
2110	crohr	users	VM-49	pend	0	OK	00 00:04:20
2111	crohr	users	VM-46	pend	0	OK	00 00:04:20
2112	crohr	users	VM-50	pend	0	OK	00 00:04:20
2113	crohr	users	VM-51	pend	0	OK	00 00:04:20
2114	crohr	users	VM-52	pend	0	OK	00 00:04:19
2115	crohr	users	VM-53	pend	0	OK	00 00:04:18
2116	crohr	users	VM-54	pend	0	OK	00 00:04:18
2117	crohr	users	VM-55	pend	0	OK	00 00:04:18
2118	crohr	users	VM-56	pend	0	OK	00 00:04:18
2119	crohr	users	VM-59	pend	0	OK	00 00:04:17
2120	crohr	users	VM-58	pend	0	OK	00 00:04:17
2121	crohr	users	VM-57	pend	0	OK	00 00:04:17
2122	crohr	users	VM-60	pend	0	OK	00 00:04:17
2123	crohr	users	VM-61	pend	0	OK	00 00:04:17
2124	crohr	users	VM-62	pend	0	OK	00 00:04:16
2125	crohr	users	VM-63	pend	0	OK	00 00:04:16
2126	crohr	users	VM-64	pend	0	OK	00 00:04:15
2127	crohr	users	VM-65	pend	0	OK	00 00:04:15
2128	crohr	users	VM-66	pend	0	OK	00 00:04:15
2129	crohr	users	VM-67	pend	0	OK	00 00:04:13
2130	crohr	users	VM-70	pend	0	OK	00 00:04:13
2131	crohr	users	VM-69	pend	0	OK	00 00:04:13
2132	crohr	users	VM-71	pend	0	OK	00 00:04:13
2133	crohr	users	VM-68	pend	0	OK	00 00:04:13
2134	crohr	users	VM-72	pend	0	OK	00 00:04:12
2135	crohr	users	VM-73	pend	0	OK	00 00:04:12
2136	crohr	users	VM-74	pend	0	OK	00 00:04:11
2137	crohr	users	VM-76	pend	0	OK	00 00:04:11
2138	crohr	users	VM-75	pend	0	OK	00 00:04:11
2139	crohr	users	VM-79	pend	0	OK	00 00:04:10
2140	crohr	users	VM-78	pend	0	OK	00 00:04:10
2141	crohr	users	VM-81	pend	0	OK	00 00:04:10
2142	crohr	users	VM-77	pend	0	OK	00 00:04:10
2143	crohr	users	VM-82	pend	0	OK	00 00:04:09
2144	crohr	users	VM-83	pend	0	OK	00 00:04:09
2145	crohr	users	VM-80	pend	0	OK	00 00:04:09
2146	crohr	users	VM-86	pend	0	OK	00 00:04:08
2147	crohr	users	VM-84	pend	0	OK	00 00:04:08
2148	crohr	users	VM-85	pend	0	OK	00 00:04:07
2149	crohr	users	VM-87	pend	0	OK	00 00:04:06
2150	crohr	users	VM-89	pend	0	OK	00 00:04:06
2151	crohr	users	VM-88	pend	0	OK	00 00:04:06
2152	crohr	users	VM-90	pend	0	OK	00 00:04:06
2153	crohr	users	VM-92	pend	0	OK	00 00:04:05
2154	crohr	users	VM-91	pend	0	OK	00 00:04:05

2155	crohr	users	VM-93	pend	0	OK	00 00:04:05
2156	crohr	users	VM-94	pend	0	OK	00 00:04:04
2157	crohr	users	VM-95	pend	0	OK	00 00:04:04
2158	crohr	users	VM-96	pend	0	OK	00 00:04:04
2159	crohr	users	VM-97	pend	0	OK	00 00:04:04
2160	crohr	users	VM-98	pend	0	OK	00 00:04:04
2161	crohr	users	VM-99	pend	0	OK	00 00:04:04
2162	crohr	users	VM-100	pend	0	OK	00 00:04:03
2163	crohr	users	VM-102	pend	0	OK	00 00:04:02
2164	crohr	users	VM-103	pend	0	OK	00 00:04:01
2165	crohr	users	VM-101	pend	0	OK	00 00:04:01
2166	crohr	users	VM-104	pend	0	OK	00 00:04:01
2167	crohr	users	VM-106	pend	0	OK	00 00:04:01
2168	crohr	users	VM-105	pend	0	OK	00 00:04:01
2169	crohr	users	VM-107	pend	0	OK	00 00:04:00
2170	crohr	users	VM-108	pend	0	OK	00 00:04:00
2171	crohr	users	VM-109	pend	0	OK	00 00:04:00
2172	crohr	users	VM-110	pend	0	OK	00 00:04:00
2173	crohr	users	VM-111	pend	0	OK	00 00:03:59
2174	crohr	users	VM-112	pend	0	OK	00 00:03:58
2175	crohr	users	VM-113	pend	0	OK	00 00:03:58
2176	crohr	users	VM-114	pend	0	OK	00 00:03:58
2177	crohr	users	VM-115	pend	0	OK	00 00:03:58
2178	crohr	users	VM-116	pend	0	OK	00 00:03:58
2179	crohr	users	VM-117	pend	0	OK	00 00:03:58
2180	crohr	users	VM-118	pend	0	OK	00 00:03:58
2181	crohr	users	VM-119	pend	0	OK	00 00:03:56
2182	crohr	users	VM-120	pend	0	OK	00 00:03:56
2183	crohr	users	VM-121	pend	0	OK	00 00:03:56
2184	crohr	users	VM-122	pend	0	OK	00 00:03:55
2185	crohr	users	VM-123	pend	0	OK	00 00:03:54
2186	crohr	users	VM-124	pend	0	OK	00 00:03:54
2187	crohr	users	VM-128	pend	0	OK	00 00:03:54
2188	crohr	users	VM-127	pend	0	OK	00 00:03:54
2189	crohr	users	VM-126	pend	0	OK	00 00:03:54
2190	crohr	users	VM-125	pend	0	OK	00 00:03:54
2191	crohr	users	VM-129	pend	0	OK	00 00:03:53
2192	crohr	users	VM-130	pend	0	OK	00 00:03:53
2193	crohr	users	VM-131	pend	0	OK	00 00:03:53
2194	crohr	users	VM-132	pend	0	OK	00 00:03:52
2195	crohr	users	VM-138	pend	0	OK	00 00:03:50
2196	crohr	users	VM-133	pend	0	OK	00 00:03:50
2197	crohr	users	VM-136	pend	0	OK	00 00:03:50
2198	crohr	users	VM-137	pend	0	OK	00 00:03:50
2199	crohr	users	VM-134	pend	0	OK	00 00:03:50
2200	crohr	users	VM-135	pend	0	OK	00 00:03:50
2201	crohr	users	VM-139	pend	0	OK	00 00:03:50
2202	crohr	users	VM-141	pend	0	OK	00 00:03:50
2203	crohr	users	VM-140	pend	0	OK	00 00:03:49
2204	crohr	users	VM-142	pend	0	OK	00 00:03:49
2205	crohr	users	VM-144	pend	0	OK	00 00:03:47
2206	crohr	users	VM-143	pend	0	OK	00 00:03:47
2207	crohr	users	VM-145	pend	0	OK	00 00:03:47

```
2208 crohr users VM-149 pend 0 OK 00 00:03:46
2209 crohr users VM-148 pend 0 OK 00 00:03:46
2210 crohr users VM-146 pend 0 OK 00 00:03:46
2211 crohr users VM-147 pend 0 OK 00 00:03:46
```

```
real 0m0.853s
user 0m0.590s
sys 0m0.182s
```

```
crohr@parachute-wifi:~/bonfire-ssl $ time curl -I -K secure.curl https://frontend.integration.bonfire.grid5000.fr/compute
HTTP/1.1 200 OK
Server: nginx/0.8.55
Date: Fri, 02 Dec 2011 13:41:29 GMT
Content-Type: text/html;charset=utf-8
Connection: keep-alive
X-Frame-Options: sameorigin
X-XSS-Protection: 1; mode=block
Content-Length: 14488
```

```
real 0m0.572s
user 0m0.026s
sys 0m0.007s
```

So: major speedup (before the change the OCCl request failed because of our nginx timeout setting). I'll send a patch ASAP.

#2 - 12/02/2011 02:20 PM - Cyril Rohr

The patch is here: <http://flag.io/33998d87be6c9f8f3a6b0ae72c65fbb9.diff> (to apply on path/to/lib/one/ruby/OpenNebula.rb -- version 3.0.0-bonfire). For reference, here is the full patch content:

```
85a86,92
> NOKOGIRI_PARSER = begin
>   require 'stream_parser_mixin'
>   true
> rescue LoadError
>   false
> end
>
132c139,141
<   if XMLPARSER
---
>   if NOKOGIRI_PARSER
>     @server.set_parser(XMLRPC::XMLParser::NokogiriStreamParser.new)
>   elsif XMLPARSER
134a144
>
```

This patch will trigger the use of the Nokogiri Stream Parser if the xmlrpc-streaming Ruby gem (<https://github.com/washu/xmlrpc-streaming>) is installed on the machine.

#3 - 12/05/2011 09:38 AM - Cyril Rohr

Just putting here the full command to update a ONE installation until the patch is included upstream:

```
gem install xmlrpc-streaming nokogiri && curl http://flag.io/33998d87be6c9f8f3a6b0ae72c65fbb9 | patch /usr/lib/one/ruby/OpenNebula.rb -
```

#4 - 12/05/2011 11:01 AM - Tino Vázquez

Thanks for the patch Cyril!

I want to point out that this is useful for ruby \geq 1.9, what we recommend for other ruby versions is xmlparser (<http://rubygems.org/gems/xmlparser>), which is installed by default with the provided install_gems (http://opennebula.org/documentation:rel3.0:ignc#ruby_libraries_requirements_front-end).

We will evaluate this solution, it is promising to offer a solution for all ruby versions.

#5 - 12/05/2011 11:29 AM - Javi Fontan

There's a bun in install_gems and xmlparser is only installed for ruby versions lesser than 1.8.7. To use this gem you can install it manually, the requirements are expat development libraries.

We will check your patch and try to use the most compatible solution for the next version.

#6 - 02/01/2012 10:19 AM - Daniel Molina

- Status changed from New to Closed
- Target version set to Release 3.4 - S0
- % Done changed from 0 to 100
- Resolution set to fixed
- Affected Versions OpenNebula 3.2 added

The performance issue should be fixed with this patch which includes a new Nokogiri parser. If Nokogiri is installed it will be used instead of the REXML parser.