CA Application Delivery Analysis Multi-Port Monitor

版本说明

版本 10.1

联系技术支持

要获取在线技术帮助以及办公地址、主要服务时间和电话号码的完整列表，请联系技术支持：http://www.ca.com/worldwide。

目录

第 1 章： 欢迎使用版本 10.1

CA Application Delivery Analysis Multi-Port Monitor (Multi-Port Monitor) 是一款功能强大的设备，可以从受监视数据中心捕获会话级数据包数据。该设备捕获的数据用于在 CA Application Delivery Analysis 和 CA Application Performance Management (APM) 中进行报告。

- 来自 TCP 数据包标头的数据可以帮助 CA Application Delivery Analysis 监视端到端的性能，以便度量应用程序响应时间。

- 来自完全 HTTP 数据包的数据可以帮助 CA APM 映射环境中的事务，以便监视最终用户体验并度量服务水平协议。

Multi-Port Monitor 通过被动监视多个端口的大量通信量，帮助您维持稳定的端到端系统性能记录。

这些《*版本说明*》提供了有关版本 10.1 中增强功能和已知问题的信息。这些信息是对产品文档中所列信息的补充，甚至可以取代后者。

此版本中的新增功能

Multi-Port Monitor 版本 10.1 提供以下功能和增强功能：

全新 CA6300 硬件设备

■ 全新 CA6300 设备现提供 MTP 版本 10.1。通过支持更大数量的 SPAN 数据、更快的处理器速度、更大的系统阵列和数据阵列磁盘空间以及实现 RAID 6 从而提升数据阵列可靠性并为智能平台管理接口 (IPMI) 提供内置支持，CA6300 可提供更为优异的性能。有关 CA6300 设备的规格，请参见《安装指南》。

■ 通过使用适用于 CA6300 设备的 IPMI 功能，不但能远程控制和重新启动设备，还可为发送环境警报提供支持；其中，此类警报涉及影响 CA6300 运行状况的电源、温度、风扇及其他项目。

CentOS 5.11 支持

■ 该版本附带同时适用于两款设备的 CentOS 5.11 版。可将现有 CA6000 设备升级为带 CentOS 5.11 的 MTP 10.1。

更优异的 buildpcap 实用工具性能

■ 单机 buildpcap 实用工具可根据指定标准或通过响应来自 CA Application Delivery Analysis 控制台的"数据包捕获调查"请求来构建 pcap 文件。此版本已提升 buildpcap 的性能。

TIM Ramdisk 的容量增大

■ TIM Ramdisk (/nqtmp/tim) 的大小现已由 2 Gb 增至 4 Gb。

"分析"选项卡列排序

■ 现在，通过单击"分析"选项卡中的任意列标题即可对数据进行正确排序。

支持的产品

Multi-Port Monitor 版本 10.1 支持以下应用程序：

■ CA Application Delivery Analysis 版本 9.3、10.0 和 10.1。

■ CA APM Transaction Impact Manager 版本 9.1、9.5 和 9.6。

■ Multi-Port Monitor 经设计适于在 Microsoft Internet Explorer 版本 8 或 9 以及 Mozilla Firefox 中进行显示，且需使用 Adobe Flash Player。不支持 Internet Explorer 版本 6 和 7。

升级注意事项

规划通过 CA Application Delivery Analysis 升级 Multi-Port Monitor 时，请在升级 CA Application Delivery Analysis 之前首先升级 Multi-Port Monitor 设备。Multi-Port Monitor 与 CA ADA 版本 9.3、10.0 和 10.1 兼容。

升级过程包括：

- 将操作系统升级为 CentOS 5.11。

请勿跨 MTP 版本进行升级。目前仅支持从 MTP 10.0 升级为 MTP 10.1。对于早期版本的 MTP，则须首先升级为 MTP 10.0，然后再从 MTP 10.0 升级为 MTP 10.1。

重要说明！ Multi-Port Monitor 在操作系统和 Multi-Port Monitor 软件升级期间不监控通信量。

软件升级完成后：

- 数据监控恢复。我们建议在维护窗口中执行升级，其中 Multi-Port Monitor 的负载较低，或理想情况下正常操作关闭。

- 现有数据被迁移到 10.0 升级过程在版本 10.0 中所引入的 Vertica 数据库架构。因此，在升级到 MTP 版本 10.1 之前需已为 MTP 版本 10.0。Multi-Port Monitor 上的负载较低时，升级后的数据迁移任务可加速完成。要在合理时间内完成，迁移的数据行不应超过 50 亿行：

  - 超过该限制的每日分区将按从最旧到最新的顺序进行清除，直到数据库低于 50 亿行。

  - 在具有典型处理负荷的 Multi-Port Monitor 上，数据迁移应在 8-16 小时内完成。处理负荷较大时，数据迁移则应在 24 小时内完成。

请参阅《*升级指南*》获取有关将 Multi-Port Monitor 升级到版本 10.1 的完整信息。

产品可伸缩性和性能

性能和可伸缩性在很大程度上取决于以下几个因素：

- 镜像到每个被动镜像端口的数据量。

- 使用数据通信量表示的会话数。

- 分配给 Multi-Port Monitor 的 WAN 优化设备数或 CA GigaStor 监视器源的数目。

- Multi-Port Monitor 设备上是否存在 TIM。有关管理该设备上正在运行的 TIM 的性能的相关信息，请参阅《*CA APM 调整大小和性能指南*》，该指南位于 CA Application Performance Management 总目录。

捕获的通信量取决于 RAID 控制器向硬盘驱动器写入数据的速率。数据包切片可改善此速率。默认的 Multi-Port Monitor 硬件筛选会切分数据包，以便只捕获数据包标头。生成较小的文件可减少磁盘争用的发生。

一般而言，对于所有活动逻辑端口，Multi-Port Monitor 支持每秒 300 - 400 MB 的写入磁盘速率。由于 2x10 GB 配置写入的文件较少但又较大，因此很容易达到此速率范围的上限。8x1 GB 配置会写入多个较小的文件，因此，磁盘争用的几率就较大。

可伸缩性准则

对于 8x1 Gbps（千兆位/秒）配置，度量标准引擎的出色表现体现在以下参数上：

- 所有 8 个端口都处于活动状态并以总容量的 70% 或大约 5.6 Gbps 的速率接收数据。

- 250 万个活动会话。

4x1 Gbps 配置的处理能力与 8x1 配置相同，只是端口更少。因此，度量标准引擎的出色表现体现在以下参数上：

- 全部四个端口都以大约 4 Gbps 的速率接收数据。

- 250 万个活动会话。

对于 2x10 Gbps 配置，度量标准引擎的出色表现体现在以下参数上：

- 两个端口都以大约 2.5 Gbps 的速率接收数据（合计速率为 5 Gbps）。

- 四百万个活动会话（每个端口 200 万个）。

可通过减少并发会话数来微略提高吞吐量。对于 2x10 Gbps 配置，度量标准引擎的出色表现体现在以下参数上：

- 两个端口都以大约 3.2 Gbps 的速率接收数据（合计速率为 6.4 Gbps）。

- 二百万个活动会话（每个端口一百万个）。

具体的结果根据吞吐量、文件大小、活动端口数和会话数的不同而异。

注意：Multi-Port Monitor 分析查询的响应时间会随每小时吞吐量的增加而延长。当度量标准数据库中的条目数接近 70 亿时，查询时间方面的表现开始下降。

CA Application Delivery Analysis 注意事项

写入速率和其他硬件约束是影响通信量可伸缩性的重要因素。应考虑的另一个因素是 CA Application Delivery Analysis 将 TCP 数据包处理成五分钟摘要文件的能力。如果为 Multi-Port Monitor 分配的是 WAN 优化设备或 CA GigaStor，此处理能力会进一步受到约束。

为避免管理 NIC 过载，请不要将 WAN 优化源分配给从 CA GigaStor 接收数据包摘要的 Multi-Port Monitor。支持此配置，但性能取决于通信量。一个 Multi-Port Monitor 可以针对最多 50,000 个优化连接处理所有三个段（[客户端]、[WAN] 和 [服务器]）中的数据包摘要文件。如果可能，请不要将多个 WAN 优化设备分配给同一个 Multi-Port Monitor，并对分支设备进行负载平衡。

CA Application Delivery Analysis 管理控制台还支持其他收集设备，包括单端口监视器和 WAN 优化设备。在 CA Application Delivery Analysis 上注册 Multi-Port Monitor 所产生的处理负载通过收集单位来表示。例如，一个 CA Application Delivery Analysis Single-Port Monitor 使用一个收集单位，一个 64 位 CA Application Delivery Analysis 管理控制台最多可以支持 15 个收集单位。

一个 Multi-Port Monitor 相当于五个收集单位。

第三方软件许可协议

CA 产品系列分发的软件包含部分由一个或多个第三方或开源许可及归属要求涵盖的组件。依据许可条款的要求，这些许可和归属声明的完整文本包含在此文档中。

Apache Xerces-C++

Apache Xerces-C++ 3.0.1

This product includes Apache Xerces-C++ 3.0.1 which is distributed in accordance with the following license agreement:

Apache License

Version 2.0, January 2004

http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

1.You must give any other recipients of the Work or Derivative Works a copy of this License; and

2.You must cause any modified files to carry prominent notices stating that You changed the files; and

3.You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

4.If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

CentOS

CentOS 5.7

This CA product is distributed with CentOS 5.7 (the "GPL Software"), the use of which is governed by the following terms:

The GPL Software is open source software that is used with this CA software program (the "CA Product"). The GPL Software is not owned by CA, Inc. ("CA"). Use, copying, distribution and modification of the GPL Software are governed by the GNU General Public License version 2 (the "GPL"). A copy of the GPL license can be found in the same directory where the Third Party Product is located. Additionally, a copy of the GPL license can be found at http://www.opensource.org/licenses/gpl-2.0.html or write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA. CA makes the source code for the GPL Software available at http://opensrcd.ca.com/ips/10809_3/, and includes a copy of the source code on the same media as the executable code. Use of the CA Product is governed solely by the CA end user license agreement ("EULA"), not by the GPL license. You cannot use, copy, modify or redistribute any CA Product code except as may be expressly set forth in the EULA. The GPL Software is provided "AS IS" WITHOUT WARRANTY OR CONDITION OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Further details of the disclaimer of warranty with respect to the GPL Software can be found in the GPL license itself. To the full extent permitted under applicable law, CA disclaims all warranties and liability arising from or related to any use of the GPL Software.

dompdf

dompdf 0.6.0

This product is distributed with dompdf 0.6.0 (the LGPL Software), the use of which is governed by the following terms:

The LGPL Software is open source software that is used with this CA software program (the CA Product). The LGPL Software is not owned by CA, Inc. ("CA"). Use, copying, distribution and modification of the LGPL Software are governed by the GNU Lesser General Public License ("LGPL") version 2.1. A copy of the LGPL license can be found in the same directory on the installation disk on which the LGPL Software is distributed. Additionally, a copy of the LGPL license can be found at http://www.opensource.org/licenses/lgpl-2.1.php or write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA. CA makes the source code for the LGPL Software available at http://opensrcd.ca.com/ips/10809_1, and includes a copy of the source code on the same disk as the executable code. Use of the CA Product is governed solely by the CA end user license agreement ("EULA"), not by the LGPL license. You cannot use, copy, modify or redistribute any CA Product code except as may be expressly set forth in the EULA. The LGPL Software is provided "AS IS" WITHOUT WARRANTY OR CONDITION OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Further details of the disclaimer of warranty with respect to the LGPL Software can be found in the LGPL license itself. To the full extent permitted under applicable law, CA disclaims all warranties and liability arising from or related to any use of the LGPL Software.

ImageMagick

ImageMagick 6.3.5

This product includes ImageMagick 6.3.5, which is distributed in accordance with the following license agreement:

Before we get to the text of the license lets just review what the license says in simple terms:

It allows you to:

freely download and use ImageMagick software, in whole or in part, for personal, company internal, or commercial purposes;

use ImageMagick software in packages or distributions that you create.

It forbids you to:

redistribute any piece of ImageMagick-originated software without proper attribution;

use any marks owned by ImageMagick Studio LLC in any way that might state or imply that ImageMagick Studio LLC endorses your distribution;

use any marks owned by ImageMagick Studio LLC in any way that might state or imply that you created the ImageMagick software in question.

It requires you to:

include a copy of the license in any redistribution you may make that includes ImageMagick software;

provide clear attribution to ImageMagick Studio LLC for any distributions that include ImageMagick software.

It does not require you to:

include the source of the ImageMagick software itself, or of any modifications you may have made to it, in any redistribution you may assemble that includes it;

submit changes that you make to the software back to the ImageMagick Studio LLC (though such feedback is encouraged).

A few other clarifications include:

ImageMagick is freely available without charge;

you may include ImageMagick on a DVD as long as you comply with the terms of the license;

you can give modified code away for free or sell it under the terms of the ImageMagick license or distribute the result under a different license, but you need to acknowledge the use of the ImageMagick software;

the license is compatible with the GPL.

The legally binding and authoritative terms and conditions for use, reproduction, and distribution of ImageMagick follow:

Copyright 1999-2010 ImageMagick Studio LLC, a non-profit organization dedicated to making software imaging solutions freely available.

1. Definitions.

License shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

Licensor shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

Legal Entity shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, control means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

You (or Your) shall mean an individual or Legal Entity exercising permissions granted by this License.

Source form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

Object form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

Work shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

Derivative Works shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

Contribution shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, submitted means any form of electronic, verbal, or written communication intentionally sent to the Licensor by its copyright holder or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as Not a Contribution.

Contributor shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

You must give any other recipients of the Work or Derivative Works a copy of this License; and

You must cause any modified files to carry prominent notices stating that You changed the files; and

You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

If the Work includes a NOTICE text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an AS IS BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License.

Intel igb driver

Intel igb driver 3.1.16

This CA product is distributed with Intel igb driver 3.1.16 (the GPL Software), the use of which is governed by the following terms:

The GPL Software is open source software that is used with this CA software program (the CA Product). The GPL Software is not owned by CA, Inc. (CA). Use, copying, distribution and modification of the GPL Software are governed by the GNU General Public License version 2 (the GPL).   A copy of the GPL license can be found in the same directory where the Third Party Product is located. Additionally, a copy of the GPL license can be found at http://www.gnu.org/licenses/gpl-2.0.html or write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA. CA makes the source code for the GPL Software available at http://opensrcd.ca.com/ips/09001_5, and includes a copy of the source code on the same drive as the executable code. Use of the CA Product is governed solely by the CA end user license agreement (EULA), not by the GPL license. You cannot use, copy, modify or redistribute any CA Product code except as may be expressly set forth in the EULA. The GPL Software is provided AS IS WITHOUT WARRANTY OR CONDITION OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Further details of the disclaimer of warranty with respect to the GPL Software can be found in the GPL license itself. To the full extent permitted under applicable law, CA disclaims all warranties and liability arising from or related to any use of the GPL Software.

MySql++

MySql++ 2.2.3

This product is distributed with MySql++ 2.2.3 (the LGPL Software), the use of which is governed by the following terms:

The LGPL Software is open source software that is used with this CA software program (the CA Product). The LGPL Software is not owned by CA, Inc. ("CA"). Use, copying, distribution and modification of the LGPL Software are governed by the GNU Lesser General Public License ("LGPL") version 2.1. A copy of the LGPL license can be found in the same directory on the installation disk on which the LGPL Software is distributed. Additionally, a copy of the LGPL license can be found at http://www.opensource.org/licenses/lgpl-2.1.php or write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA. CA makes the source code for the LGPL Software available at http://opensrcd.ca.com/ips/09001_4 , and includes a copy of the source code on the same disk as the executable code. Use of the CA Product is governed solely by the CA end user license agreement ("EULA"), not by the LGPL license. You cannot use, copy, modify or redistribute any CA Product code except as may be expressly set forth in the EULA. The LGPL Software is provided "AS IS" WITHOUT WARRANTY OR CONDITION OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Further details of the disclaimer of warranty with respect to the LGPL Software can be found in the LGPL license itself. To the full extent permitted under applicable law, CA disclaims all warranties and liability arising from or related to any use of the LGPL Software.

smarty

smarty 2.6.20

This product is distributed with smarty 2.6.20 (the LGPL Software), the use of which is governed by the following terms:

The LGPL Software is open source software that is used with this CA software program (the CA Product). The LGPL Software is not owned by CA, Inc. (â??CAâ??). Use, copying, distribution and modification of the LGPL Software are governed by the GNU Lesser General Public License ("LGPL") version 2.1. A copy of the LGPL license can be found in the same directory on the installation disk on which the LGPL Software is distributed. Additionally, a copy of the LGPL license can be found at http://www.opensource.org/licenses/lgpl-2.1.php or write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA. CA makes the source code for the LGPL Software available at http://opensrcd.ca.com/ips/08075_2, and includes a copy of the source code on the same disk as the executable code. Use of the CA Product is governed solely by the CA end user license agreement ("EULA"), not by the LGPL license. You cannot use, copy, modify or redistribute any CA Product code except as may be expressly set forth in the EULA. The LGPL Software is provided "AS IS" WITHOUT WARRANTY OR CONDITION OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Further details of the disclaimer of warranty with respect to the LGPL Software can be found in the LGPL license itself. To the full extent permitted under applicable law, CA disclaims all warranties and liability arising from or related to any use of the LGPL Software.

ssldump

ssldump 0.9b3

This product includes ssldump 0.9b3 software distributed in accordance with the following terms:

SSLDUMP LICENSE

Copyright (C) 1999-2001 RTFM, Inc.

All Rights Reserved

This package is a SSLv3/TLS protocol analyzer written by Eric Rescorla

and licensed by RTFM, Inc.

Redistribution and use in source and binary forms, with or without

modification, are permitted provided that the following conditions

are met:

1. Redistributions of source code must retain the above copyright

   notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright

   notice, this list of conditions and the following disclaimer in the

   documentation and/or other materials provided with the distribution.

3. All advertising materials mentioning features or use of this software

   must display the following acknowledgement:

   This product includes software developed by Eric Rescorla for

   RTFM, Inc.

4. Neither the name of RTFM, Inc. nor the name of Eric Rescorla may be

   used to endorse or promote products derived from this

   software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE ERIC RESCORLA AND RTFM "AS IS" AND

ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE

IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE

ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE

FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL

DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS

OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)

HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT

LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY

OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF

SUCH DAMAGE.

TCPDUMP LICENSE

The manual page for this software is partially excerpted from

the tcpdump manual page, which is subject to the following license:

Copyright (c) 1987, 1988, 1989, 1990, 1991, 1992, 1994, 1995, 1996, 1997

The Regents of the University of California. All rights reserved.

All rights reserved.

Redistribution and use in source and binary forms, with or without

modification, are permitted provided that: (1) source code distributions

retain the above copyright notice and this paragraph in its entirety, (2)

distributions including binary code include the above copyright notice and

this paragraph in its entirety in the documentation or other materials

provided with the distribution, and (3) all advertising materials mentioning

features or use of this software display the following acknowledgement:

"This product includes software developed by the University of California,

Lawrence Berkeley Laboratory and its contributors." Neither the name of

the University nor the names of its contributors may be used to endorse

or promote products derived from this software without specific prior

written permission.

THIS SOFTWARE IS PROVIDED "AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED

WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF

MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

Sun JDK

Sun JDK 1.6.0

This Product is distributed with Sun JDK 1.6.0 (JAVA SE DEVELOPMENT KIT (JDK), VERSION 6) (Sun JDK). The Sun JDK is distributed in accordance with the Sun Microsystems, Inc. (Sun) Binary Code License Agreement set forth below. As noted in Section G of the Supplemental License Terms of this license, Sun has provided additional copyright notices and license terms that may be applicable to portions of the Sun JDK in the THIRDPARTYLICENSEREADME.txt file that accompanies the Sun JDK.

Sun Microsystems, Inc. Binary Code License Agreement

for the JAVA SE DEVELOPMENT KIT (JDK), VERSION 6

SUN MICROSYSTEMS, INC. ("SUN") IS WILLING TO LICENSE

THE SOFTWARE IDENTIFIED BELOW TO YOU ONLY UPON THE

CONDITION THAT YOU ACCEPT ALL OF THE TERMS CONTAINED

IN THIS BINARY CODE LICENSE AGREEMENT AND SUPPLEMENTAL

LICENSE TERMS (COLLECTIVELY "AGREEMENT"). PLEASE READ

THE AGREEMENT CAREFULLY. BY DOWNLOADING OR INSTALLING

THIS SOFTWARE, YOU ACCEPT THE TERMS OF THE AGREEMENT.

INDICATE ACCEPTANCE BY SELECTING THE "ACCEPT" BUTTON

AT THE BOTTOM OF THE AGREEMENT. IF YOU ARE NOT WILLING

TO BE BOUND BY ALL THE TERMS, SELECT THE "DECLINE"

BUTTON AT THE BOTTOM OF THE AGREEMENT AND THE DOWNLOAD

OR INSTALL PROCESS WILL NOT CONTINUE.

1. DEFINITIONS. "Software" means the identified above

in binary form, any other machine readable materials

(including, but not limited to, libraries, source

files, header files, and data files), any updates or

error corrections provided by Sun, and any user

manuals, programming guides and other documentation

provided to you by Sun under this Agreement.

"Programs" mean Java applets and applications intended

to run on the Java Platform, Standard Edition (Java

SE) on Java-enabled general purpose desktop computers

and servers.

2. LICENSE TO USE. Subject to the terms and conditions

of this Agreement, including, but not limited to the

Java Technology Restrictions of the Supplemental

License Terms, Sun grants you a non-exclusive,

non-transferable, limited license without license fees

to reproduce and use internally Software complete and

unmodified for the sole purpose of running Programs.

Additional licenses for developers and/or publishers

are granted in the Supplemental License Terms.

3. RESTRICTIONS. Software is confidential and

copyrighted. Title to Software and all associated

intellectual property rights is retained by Sun and/or

its licensors. Unless enforcement is prohibited by

applicable law, you may not modify, decompile, or

reverse engineer Software. You acknowledge that

Licensed Software is not designed or intended for use

in the design, construction, operation or maintenance

of any nuclear facility. Sun Microsystems, Inc.

disclaims any express or implied warranty of fitness

for such uses. No right, title or interest in or to

any trademark, service mark, logo or trade name of Sun

or its licensors is granted under this Agreement.

Additional restrictions for developers and/or

publishers licenses are set forth in the Supplemental

License Terms.

4. LIMITED WARRANTY. Sun warrants to you that for a

period of ninety (90) days from the date of purchase,

as evidenced by a copy of the receipt, the media on

which Software is furnished (if any) will be free of

defects in materials and workmanship under normal use.

Except for the foregoing, Software is provided "AS IS".

Your exclusive remedy and Sun's entire liability under

this limited warranty will be at Sun's option to

replace Software media or refund the fee paid for

Software. Any implied warranties on the Software are

limited to 90 days. Some states do not allow

limitations on duration of an implied warranty, so the

above may not apply to you. This limited warranty

gives you specific legal rights. You may have others,

which vary from state to state.

5. DISCLAIMER OF WARRANTY. UNLESS SPECIFIED IN THIS

AGREEMENT, ALL EXPRESS OR IMPLIED CONDITIONS,

REPRESENTATIONS AND WARRANTIES, INCLUDING ANY IMPLIED

WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR

PURPOSE OR NON-INFRINGEMENT ARE DISCLAIMED, EXCEPT TO

THE EXTENT THAT THESE DISCLAIMERS ARE HELD TO BE

LEGALLY INVALID.

6. LIMITATION OF LIABILITY. TO THE EXTENT NOT

PROHIBITED BY LAW, IN NO EVENT WILL SUN OR ITS

LICENSORS BE LIABLE FOR ANY LOST REVENUE, PROFIT OR

DATA, OR FOR SPECIAL, INDIRECT, CONSEQUENTIAL,

INCIDENTAL OR PUNITIVE DAMAGES, HOWEVER CAUSED

REGARDLESS OF THE THEORY OF LIABILITY, ARISING OUT OF

OR RELATED TO THE USE OF OR INABILITY TO USE SOFTWARE,

EVEN IF SUN HAS BEEN ADVISED OF THE POSSIBILITY OF

SUCH DAMAGES. In no event will Sun's liability to you,

whether in contract, tort (including negligence), or

otherwise, exceed the amount paid by you for Software

under this Agreement. The foregoing limitations will

apply even if the above stated warranty fails of its

essential purpose. Some states do not allow the

exclusion of incidental or consequential damages, so

some of the terms above may not be applicable to you.

7. TERMINATION. This Agreement is effective until

terminated. You may terminate this Agreement at any

time by destroying all copies of Software. This

Agreement will terminate immediately without notice

from Sun if you fail to comply with any provision of

this Agreement. Either party may terminate this

Agreement immediately should any Software become, or

in either party's opinion be likely to become, the

subject of a claim of infringement of any intellectual

property right. Upon Termination, you must destroy all copies of Software.

8. EXPORT REGULATIONS. All Software and technical data delivered under this Agreement are subject to US export control laws and may be subject to export or import regulations in other countries. You agree to comply strictly with all such laws and regulations and acknowledge that you have the responsibility to obtain such licenses to export, re-export, or import as may be required after delivery to you.

9. TRADEMARKS AND LOGOS. You acknowledge and agree as between you and Sun that Sun owns the SUN, SOLARIS, JAVA, JINI, FORTE, and iPLANET trademarks and all SUN, SOLARIS, JAVA, JINI, FORTE, and iPLANET-related trademarks, service marks, logos and other brand designations ("Sun Marks"), and you agree to comply with the Sun Trademark and Logo Usage Requirements currently located at http://www.sun.com/policies/trademarks. Any use you make of the Sun Marks inures to Sun's benefit.

10. U.S. GOVERNMENT RESTRICTED RIGHTS. If Software is being acquired by or on behalf of the U.S. Government or by a U.S. Government prime contractor or subcontractor (at any tier), then the Government's rights in Software and accompanying documentation will be only as set forth in this Agreement; this is in

accordance with 48 CFR 227.7201 through 227.7202-4

(for Department of Defense (DOD) acquisitions) and

with 48 CFR 2.101 and 12.212 (for non-DOD

acquisitions).

11. GOVERNING LAW. Any action related to this Agreement

will be governed by California law and controlling

U.S. federal law. No choice of law rules of any

jurisdiction will apply.

12. SEVERABILITY. If any provision of this Agreement

is held to be unenforceable, this Agreement will

remain in effect with the provision omitted, unless

omission would frustrate the intent of the parties, in

which case this Agreement will immediately terminate.

13. INTEGRATION. This Agreement is the entire agreement

between you and Sun relating to its subject matter. It

supersedes all prior or contemporaneous oral or

written communications, proposals, representations and

warranties and prevails over any conflicting or

additional terms of any quote, order, acknowledgment,

or other communication between the parties relating to

its subject matter during the term of this Agreement.

No modification of this Agreement will be binding,

unless in writing and signed by an authorized

representative of each party.

SUPPLEMENTAL LICENSE TERMS

These Supplemental License Terms add to or modify the

terms of the Binary Code License Agreement.

Capitalized terms not defined in these Supplemental

Terms shall have the same meanings ascribed to them in

the Binary Code License Agreement . These Supplemental

Terms shall supersede any inconsistent or conflicting

terms in the Binary Code License Agreement, or in any

license contained within the Software.

A. Software Internal Use and Development License

Grant. Subject to the terms and conditions of this

Agreement and restrictions and exceptions set forth in

the Software "README" file incorporated herein by

reference, including, but not limited to the Java

Technology Restrictions of these Supplemental Terms,

Sun grants you a non-exclusive, non-transferable,

limited license without fees to reproduce internally

and use internally the Software complete and

unmodified for the purpose of designing, developing,

and testing your Programs.

B. License to Distribute Software. Subject to the

terms and conditions of this Agreement and

restrictions and exceptions set forth in the Software

README file, including, but not limited to the Java

Technology Restrictions of these Supplemental Terms,

Sun grants you a non-exclusive, non-transferable,

limited license without fees to reproduce and

distribute the Software, provided that (i) you

distribute the Software complete and unmodified and

only bundled as part of, and for the sole purpose of

running, your Programs, (ii) the Programs add

significant and primary functionality to the Software,

(iii) you do not distribute additional software

intended to replace any component(s) of the Software,

(iv) you do not remove or alter any proprietary

legends or notices contained in the Software, (v) you

only distribute the Software subject to a license

agreement that protects Sun's interests consistent

with the terms contained in this Agreement, and (vi)

you agree to defend and indemnify Sun and its

licensors from and against any damages, costs,

liabilities, settlement amounts and/or expenses

(including attorneys' fees) incurred in connection

with any claim, lawsuit or action by any third party

that arises or results from the use or distribution of

any and all Programs and/or Software.

C. License to Distribute Redistributables. Subject to

the terms and conditions of this Agreement and

restrictions and exceptions set forth in the Software

README file, including but not limited to the Java

Technology Restrictions of these Supplemental Terms,

Sun grants you a non-exclusive, non-transferable,

limited license without fees to reproduce and

distribute those files specifically identified as

redistributable in the Software "README" file

("Redistributables") provided that: (i) you distribute

the Redistributables complete and unmodified, and only

bundled as part of Programs, (ii) the Programs add

significant and primary functionality to the

Redistributables, (iii) you do not distribute

additional software intended to supersede any

component(s) of the Redistributables (unless otherwise

specified in the applicable README file), (iv) you do

not remove or alter any proprietary legends or notices

contained in or on the Redistributables, (v) you only

distribute the Redistributables pursuant to a license

agreement that protects Sun's interests consistent

with the terms contained in the Agreement, (vi) you

agree to defend and indemnify Sun and its licensors

from and against any damages, costs, liabilities,

settlement amounts and/or expenses (including

attorneys' fees) incurred in connection with any

claim, lawsuit or action by any third party that

arises or results from the use or distribution of any

and all Programs and/or Software.

D. Java Technology Restrictions. You may not create,

modify, or change the behavior of, or authorize your

licensees to create, modify, or change the behavior

of, classes, interfaces, or subpackages that are in

any way identified as "java", "javax", "sun" or

similar convention as specified by Sun in any naming

convention designation.

E. Distribution by Publishers. This section pertains

to your distribution of the Software with your printed

book or magazine (as those terms are commonly used in

the industry) relating to Java technology

("Publication"). Subject to and conditioned upon your

compliance with the restrictions and obligations

contained in the Agreement, in addition to the license

granted in Paragraph 1 above, Sun hereby grants to you

a non-exclusive, nontransferable limited right to

reproduce complete and unmodified copies of the

Software on electronic media (the "Media") for the

sole purpose of inclusion and distribution with your

Publication(s), subject to the following terms: (i)

You may not distribute the Software on a stand-alone

basis; it must be distributed with your

Publication(s); (ii) You are responsible for

downloading the Software from the applicable Sun web

site; (iii) You must refer to the Software as JavaTM

SE Development Kit 6; (iv) The Software must be

reproduced in its entirety and without any

modification whatsoever (including, without

limitation, the Binary Code License and Supplemental

License Terms accompanying the Software and

proprietary rights notices contained in the Software);

(v) The Media label shall include the following
information: Copyright 2006, Sun Microsystems, Inc.
All rights reserved. Use is subject to license terms.
Sun, Sun Microsystems, the Sun logo, Solaris, Java,
the Java Coffee Cup logo, J2SE, and all trademarks and
logos based on Java are trademarks or registered
trademarks of Sun Microsystems, Inc. in the U.S. and
other countries. This information must be placed on
the Media label in such a manner as to only apply to
the Sun Software; (vi) You must clearly identify the
Software as Sun's product on the Media holder or Media
label, and you may not state or imply that Sun is
responsible for any third-party software contained on
the Media; (vii) You may not include any third party
software on the Media which is intended to be a
replacement or substitute for the Software; (viii) You
shall indemnify Sun for all damages arising from your
failure to comply with the requirements of this
Agreement. In addition, you shall defend, at your
expense, any and all claims brought against Sun by
third parties, and shall pay all damages awarded by a
court of competent jurisdiction, or such settlement
amount negotiated by you, arising out of or in
connection with your use, reproduction or distribution
of the Software and/or the Publication. Your
obligation to provide indemnification under this

section shall arise provided that Sun: (a) provides

you prompt notice of the claim; (b) gives you sole

control of the defense and settlement of the claim;

(c) provides you, at your expense, with all available

information, assistance and authority to defend; and

(d) has not compromised or settled such claim without

your prior written consent; and (ix) You shall provide

Sun with a written notice for each Publication; such

notice shall include the following information: (1)

title of Publication, (2) author(s), (3) date of

Publication, and (4) ISBN or ISSN numbers. Such notice

shall be sent to Sun Microsystems, Inc., 4150 Network

Circle, M/S USCA12-110, Santa Clara, California 95054,

U.S.A , Attention: Contracts Administration.

F. Source Code. Software may contain source code that,

unless expressly licensed for other purposes, is

provided solely for reference purposes pursuant to the

terms of this Agreement. Source code may not be

redistributed unless expressly provided for in this

Agreement.

G. Third Party Code. Additional copyright notices and

license terms applicable to portions of the Software

are set forth in the THIRDPARTYLICENSEREADME.txt file.

In addition to any terms and conditions of any third

party opensource/freeware license identified in the

THIRDPARTYLICENSEREADME.txt file, the disclaimer of

warranty and limitation of liability provisions in

paragraphs 5 and 6 of the Binary Code License

Agreement shall apply to all Software in this

distribution.

H. Termination for Infringement. Either party may

terminate this Agreement immediately should any

Software become, or in either party's opinion be

likely to become, the subject of a claim of

infringement of any intellectual property right.

I. Installation and Auto-Update. The Software's

installation and auto-update processes transmit a

limited amount of data to Sun (or its service

provider) about those specific processes to help Sun

understand and optimize them. Sun does not associate

the data with personally identifiable information.

You can find more information about the data Sun

collects at http://java.com/data/.

For inquiries please contact: Sun Microsystems, Inc.,

4150 Network Circle, Santa Clara, California 95054,

U.S.A.

第 2 章： 已知问题

本节介绍了已知问题和建议的变通方法。

权限设置限制

与 CA Performance Center 绑定时，CA Application Delivery Analysis 管理控制台将强制应用权限集，但 Multi-Port Monitor 不会。例如，如果用户具有访问特定服务器组的权限，则 Multi-Port Monitor 至少可以监视该组中的一个服务器：

- 在 CA Performance Center 中，只能访问权限集中的服务器。

- 在 CA Application Delivery Analysis 数据源中，只能访问权限集中的服务器。

- 在 Multi-Port Monitor 中，"分析"选项卡将显示域中所有服务器的性能数据。

如有必要，请限制 CA Application Delivery Analysis 数据源访问权限，以避免授予用户对 Multi-Port Monitor 中不在其权限集内的数据的访问权限。

注意：限制"深入查看数据源"角色权限不会阻止用户直接访问 CA Application Delivery Analysis 管理控制台和 Multi-Port Monitor。

在打开了另一个浏览器窗口或选项卡的情况下，导出到 PDF 失败。

在以下情况时会发生该问题：

- 通过同一台计算机上的两个不同浏览器实例同时访问 Multi-Port Monitor Web 界面。

- 通过同一实例中的两个不同选项卡同时访问 Web 界面。

- 当另一个浏览器实例已登录到 Web 界面时，您可从 CA Application Delivery Analysis 进行深入查看。

- 从多个 CA Application Delivery Analysis 报告上下文启动"会话分析"。

主要症状为：

- 在一个窗口或选项卡中执行的用户操作（如选择筛选）影响其他选项卡中的行为。

- 导出的 PDF 显示在另一个窗口或选项卡中选中的视图。

在使用 Internet Explorer 8 和 Firefox 3.0 时会出现这些问题。两个浏览器将同一会话分配给两个窗口和选项卡。**变通方法**：不要在同一台计算机上的多个浏览器实例或多个浏览器选项卡中同时执行"导出到 PDF"。（缺陷 22432）