

## new/exception\_lists/check\_rtime

1

```

*****
9421 Wed Aug 8 20:59:25 2012
new/exception_lists/check_rtime
Bump Apache dependency to Apache 2
*****
1 #
2 # CDDL HEADER START
3 #
4 # The contents of this file are subject to the terms of the
5 # Common Development and Distribution License (the "License").
6 # You may not use this file except in compliance with the License.
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8 # You can obtain a copy of the license at usr/src/OPENSOLARIS.LICENSE
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15 # If applicable, add the following below this CDDL HEADER, with the
16 # fields enclosed by brackets "[]" replaced with your own identifying
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18 #
19 # CDDL HEADER END
20 #
21 #
22 #
23 # Copyright (c) 2009, 2010, Oracle and/or its affiliates. All rights reserved.
24 #
25 #
26 # This file provides exceptions to the usual rules applied to ELF objects by
27 # check_rtime. All strings are Perl regular expressions that are compared to
28 # file paths. In addition to the standard Perl syntax, there is one extension:
29 #
30 #     MACH(dir)
31 #
32 # is expanded into a regular expression that matches the given
33 # directory, or a 64-bit subdirectory of the directory with the
34 # name of a 64-bit architecture. For example, MACH(lib) will match
35 # any of the following:
36 #
37 #     lib
38 #     lib/amd64
39 #     lib/sparcv9
40 #
41 #
42 # Directory hierarchies to skip completely
43 SKIP ^usr/lib/libc/ # optimized libc
44 SKIP ^usr/lib/rcm/ # 4426119
45 SKIP ^usr/perl5/ # alan's taking care of these :-
46 SKIP ^usr/src/ # no objects in source code
47 #
48 # Individual files that we don't examine
49 SKIP ^boot/grub/bin/grub$
50 SKIP ^usr/apache2/2.2/libexec/mod_ipp.so$ # Apache loadable module
50 SKIP ^usr/apache/libexec/mod_ipp.so$ # Apache loadable module
51 # USIII specific extns. cause ldd noise on USII bld. m/c
52 SKIP ^usr/lib/fps/sun4u/UltraSPARC.*/*fptest$
53 SKIP ^usr/MACH(lib)/lddstub$ # lddstub has no dependencies
54 SKIP ^usr/MACH(lib)/libssagent\.\so\.\1$ # 4328854
55 SKIP ^usr/lib/MACH(iconv)/geniconvtbl.so$ # 4384329
56 #
57 # picl file exclusions (4385799)
58 SKIP ^usr/platform/*/libsvcpplugin_psr\.\so\.\1
59 SKIP ^usr/platform/*/libsvcpolicy_psr\.\so\.\1
60 SKIP ^usr/platform/*/libsvcpolicy\.\so\.\1

```

## new/exception\_lists/check\_rtime

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61 SKIP ^usr/lib/sysevent/modules/picl_slm.so$
62 #
63 # Objects that are allowed to have executable data segments
64 EXEC_DATA ^MACH(lib)/ld\.\so\.\1$
65 EXEC_DATA ^lib/libc\.\so\.\1$ # 6524709, 32-bit, needed for x86 only
66 EXEC_DATA ^opt/SUNWdtrt/tst/.*ustack/tst\.\helper\.\exe$
67 EXEC_DATA ^platform/*/MACH(kernel)/unix$
68 EXEC_DATA ^platform/*/multiboot$
69 #
70 # Objects that are allowed to have an executable stack
71 EXEC_STACK ^platform/*/MACH(kernel)/unix$
72 EXEC_STACK ^platform/*/multiboot$
73 #
74 # Objects for which we allow relocations to the text segment
75 TEXTREL ^platform/*/MACH(kernel)/unix$
76 #
77 # Directories and files that are allowed to have no direct bound symbols
78 NODIRECT ^platform/*/MACH(kernel)/unix$
79 NODIRECT ^usr/ucb
80 NODIRECT ^usr/4lib/sbcp$
81 #
82 # Identify any files that should be skipped when building a crle(1)
83 # configuration file. As the hwcab libraries can be loop-back mounted onto
84 # libc, these can confuse crle(1) because of their identical dev/inode.
85 NOCRLEALT ^usr/lib/libc/libc_hwcab[1-3]\.\so\.\1$
86 #
87 # Files that should contain debugging information.
88 STAB ^platform/*/MACH(kernel)/unix$
89 #
90 # Files that are allowed undefined references
91 UNDEF_REF ^usr/lib/libnisdb\.\so\.\2$
92 UNDEF_REF ^usr/snadm/lib/libsvm\.\so\.\1$
93 #
94 # Objects allowed to have unused dependencies
95 UNUSED_DEPS ^usr/lib/picl/plugins/ # require devtree dependencies
96 UNUSED_DEPS ^usr/lib/libp # profile libc makes libm an unused dep of libc
97 #
98 # libm.so.2 dependency
99 UNUSED_OBJ unused object=.*MACH(lib)/libm_hwcab1\.\so\.\2
100 #
101 # Unused runpaths due to dlopen() use
102 UNUSED_RPATH /usr/lib/fs/autofs.*\ from\ .automountd
103 UNUSED_RPATH /etc/ppp/plugins.*\ from\ .pppd
104 UNUSED_RPATH /usr/lib/inet/ppp.*\ from\ .pppd
105 UNUSED_RPATH /usr/sfw/lib.*\ from\ .*libipsecutil\.\so\.\1
106 UNUSED_RPATH /usr/platform/*rsmlib.*\ from\ .*librsm\.\so\.\2
107 UNUSED_RPATH $ORIGIN.*\ from\ .*fcode.so
108 UNUSED_RPATH /opt/VRTSvxxm/lib.*\ from\ .*libdiskmgt\.\so\.\1
109 #
110 # Unused runpaths in picl code
111 UNUSED_RPATH /usr/platform/*\ from\ .*/usr/platform
112 UNUSED_RPATH /usr/lib/picl/*\ from\ .*/usr/platform
113 UNUSED_RPATH /usr/platform/*\ from\ .*/usr/lib/picl
114 #
115 # Unused runpaths in non-OSNET objects we can't change
116 UNUSED_RPATH /usr/lib/mps.*\ from\ .*libnss3\.\so
117 UNUSED_RPATH /usr/lib/mps.*\ from\ .*libnssutil3\.\so
118 UNUSED_RPATH /usr/lib/mps.*\ from\ .*libsmime3\.\so
119 UNUSED_RPATH /usr/lib/mps.*\ from\ .*libssl3\.\so
120 UNUSED_RPATH /usr/sfw/lib.*\ from\ .*libdbus-1\.\so\.\3
121 UNUSED_RPATH /usr/sfw/lib.*\ from\ .*libdbus-glib-1\.\so\.\2
122 UNUSED_RPATH /usr/sfw/lib.*\ from\ .*libglib-2\.\0\.\so\.\0
123 UNUSED_RPATH /usr/X11/lib.*\ from\ .*libglib-2\.\0\.\so\.\0
124 UNUSED_RPATH /usr/sfw/lib.*\ from\ .*libgobject-2\.\0\.\so\.\0
125 UNUSED_RPATH /usr/X11/lib.*\ from\ .*libgobject-2\.\0\.\so\.\0
126 UNUSED_RPATH /usr/sfw/lib.*\ from\ .*libgthread-2\.\0\.\so\.\0

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127 UNUSED_RPATH /usr/X11/lib.*\ from\ .*libgthread-2\0\0\so\0
128 UNUSED_RPATH /usr/sfw/lib.*\ from\ .*libcrypto\so\0\9\8
129 UNUSED_RPATH /usr/sfw/lib.*\ from\ .*libnetsnp\so\15
130 UNUSED_RPATH /usr/sfw/lib.*\ from\ .*libgcc_s\so\1
131 UNUSED_RPATH /usr/ccs/lib.*\ from\ .*libgcc_s\so\1
132 UNUSED_RPATH /usr/lib.*\ from\ .*libgcc_s\so\1
133 UNUSED_RPATH /usr/postgres/8.3/lib.*\ from\ .*libpq\so\5
134 UNUSED_RPATH /usr/sfw/lib.*\ from\ .*libpq\so\5
135 UNUSED_RPATH /usr/lib.*\ from\ .*usr/lib/mps
136 UNUSED_RPATH /usr/ccs/lib.*\ from\ .*usr/lib/mps

138 # Unused runpaths for reasons not captured above
139 UNUSED_RPATH /usr/lib/smbstrv.*\ from\ .*libsmb\so\1 # future needs
140 UNUSED_RPATH /usr.*\ from\ .*tst\gcc\exe # gcc built

```

## 143 # Unreferenced objects of non-OSnet objects we can't change

```

144 UNREF_OBJ /lib.*\ of\ .*libcimapi\so
145 UNREF_OBJ /lib.*\ of\ .*libdbus-1\so\3
146 UNREF_OBJ /lib.*\ of\ .*libdbus-glib-1\so\2
147 UNREF_OBJ /lib.*\ of\ .*libglib-2.0\so\0
148 UNREF_OBJ /lib.*\ of\ .*libgobject-2.0\so\0
149 UNREF_OBJ /lib.*\ of\ .*libgthread-2\0\0\so\0
150 UNREF_OBJ /lib.*\ of\ .*libjvm\so
151 UNREF_OBJ /lib.*\ of\ .*libnetsnp\so\15
152 UNREF_OBJ /lib.*\ of\ .*libnetsnmpagent\so\15
153 UNREF_OBJ /lib.*\ of\ .*libnetsnmpmibs\so\15
154 UNREF_OBJ /lib.*\ of\ .*libnetsnmphelpers\so\15
155 UNREF_OBJ /lib.*\ of\ .*libspr4\so
156 UNREF_OBJ /lib.*\ of\ .*libpq\so\5
157 UNREF_OBJ /lib.*\ of\ .*libsoftokn3\so
158 UNREF_OBJ /lib.*\ of\ .*libspmicommon\so\1
159 UNREF_OBJ /lib.*\ of\ .*libspmocommon\so\1
160 UNREF_OBJ /lib.*\ of\ .*libssl3\so
161 UNREF_OBJ /lib.*\ of\ .*libtspi\so\1
162 UNREF_OBJ /lib.*\ of\ .*libxml2\so\2
163 UNREF_OBJ /lib.*\ of\ .*libxslt\so\1
164 UNREF_OBJ /lib.*\ of\ .*libpq\so\4
165 UNREF_OBJ /lib.*\ of\ .*libpython2\4\so\1\0
166 UNREF_OBJ /libgcc_s.*\ of\ .*libstdc\+\+\so\6

```

## 168 # Unreferenced object of objects we can't change for other reasons

```

169 UNREF_OBJ /libmapmalloc\so\1;\ unused\ dependency\ of # interposer
170 UNREF_OBJ /libstdc\+\+\so\6;\ unused\ dependency\ of # gcc build
171 UNREF_OBJ /libm\so\2.*\ of\ .*libstdc\+\+\so\6 # gcc build
172 UNREF_OBJ /lib.*\ of\ .*lib/picl/plugins/ # picl
173 UNREF_OBJ /lib.*\ of\ .*kcfid # interposer
174 UNREF_OBJ /libpkcs11\so\1; .*\ of\ .*libkmf\so\1 # interposed
175 # Referenced by the Studio build, not the GCC build. GCC eliminates the unused
176 # statics which have the dependence.
177 UNREF_OBJ /libc\so\1.*\ of\ .*kldap\so\1

```

## 180 # Objects that used to contain system functionality that has since

```

181 # migrated to libc. We preserve these libraries as pure filters for
182 # backward compatibility but nothing needs to link to them.
183 OLDDEP libaio\so\1 # onnv build 44
184 OLDDEP libdl\so\1 # on10 build 49
185 OLDDEP libdoor\so\1 # onnv build 12
186 OLDDEP libintl\so\1 # on297 build 7
187 OLDDEP libpthread\so\1 # on10 build 53
188 OLDDEP librt\so\1 # onnv build 44
189 OLDDEP libsched\so\1 # on10 build 36
190 OLDDEP libthread\so\1 # on10 build 53
191 OLDDEP libw\so\1 # on297 build 7

```

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193 # Files for which we skip checking of duplicate addresses in the
194 # symbol sort sections. Such exceptions should be rare --- most code will
195 # not have duplicate addresses, since it takes assembler or a "#pragma weak"
196 # to do such aliasing in C. C++ is different: The compiler generates aliases
197 # for implementation reasons, and the mangled names used to encode argument
198 # and return value types are difficult to handle well in mapfiles.
199 # Furthermore, the Sun compiler and gcc use different and incompatible
200 # name mangling conventions. Since ON must be buildable by either, we
201 # would have to maintain two sets of mapfiles for each such object.
202 # C++ use is rare in ON, so this is not worth pursuing.
203 #
204 NOSYMSORT opt/SUNWdtrt/tst/common/pid/tst.weak2.exe # DTrace test
205 NOSYMSORT lib/amd64/libnsl\so\1 # C++
206 NOSYMSORT lib/sparcv9/libnsl\so\1 # C++
207 NOSYMSORT lib/sparcv9/libfpu\so\1 # C++
208 NOSYMSORT usr/lib/sgml/nsgmls # C++
209 NOSYMSORT usr/lib/lms # C++
210 NOSYMSORT ld\so\1 # libc_pic.a use
211 NOSYMSORT lib/libsun_fc\so\1 # C++
212 NOSYMSORT lib/amd64/libsun_fc\so\1 # C++
213 NOSYMSORT lib/sparcv9/libsun_fc\so\1 # C++
214 NOSYMSORT usr/lib/amd64/libfpu\so\1 # C++

```

## 217 # The libprtdiag\_psr.so.1 objects built under usr/src/lib/libprtdiag\_psr

```

218 # are a family, all built using the same makefile, targeted at different
219 # sparc hardware variants. There are a small number of cases where this
220 # one size fits all approach causes an object to be linked against an
221 # unneeded library.
222 UNREF_OBJ lib/(libdevinfo|libcfgadm)\so\1; .*\ of\ .*SUNW,Netra-CP2300/1

```

new/exception\_lists/interface\_check

1

```

*****
3705 Wed Aug 8 20:59:27 2012
new/exception_lists/interface_check
Bump Apache dependency to Apache 2
*****
1 #
2 # CDDL HEADER START
3 #
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9 # or http://www.opensolaris.org/os/licensing.
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11 # and limitations under the License.
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13 # When distributing Covered Code, include this CDDL HEADER in each
14 # file and include the License file at usr/src/OPENSOLARIS.LICENSE.
15 # If applicable, add the following below this CDDL HEADER, with the
16 # fields enclosed by brackets "[]" replaced with your own identifying
17 # information: Portions Copyright [yyyy] [name of copyright owner]
18 #
19 # CDDL HEADER END
20 #

23 # Copyright (c) 2009, 2010, Oracle and/or its affiliates. All rights reserved.

25 # This file provides exceptions to the usual rules applied to shared
26 # objects by interface_check. All strings are Perl regular expressions
27 # that are compared to file names. In addition to the standard Perl
28 # syntax, there is one extension:
29 #
30 #     MACH(dir)
31 #
32 # is expanded into a regular expression that matches the given
33 # directory, or a 64-bit subdirectory of the directory with the
34 # name of a 64-bit architecture. For example, MACH(lib) will match
35 # any of the following:
36 #
37 #     lib
38 #     lib/amd64
39 #     lib/sparcv9

42 # Shared objects underneath these parts of the tree are taken to be plugins.
43 # Plugins are not required to have versioned file names, and are not required
44 # to be internally versioned.
45 #
46 PLUGIN      ^usr/apache2/2.2/libexec
46 PLUGIN      ^usr/apache/libexec
47 PLUGIN      ^usr/lib/devfsadm
48 PLUGIN      ^usr/lib/efcode/.*\$.so$
49 PLUGIN      ^usr/lib/elfedit
50 PLUGIN      ^usr/lib/fm/fmd/plugins
51 PLUGIN      ^usr/lib/fm/fmd/schemes
52 PLUGIN      ^usr/lib/fm/topo/plugins
53 PLUGIN      ^usr/lib/fwflash
54 PLUGIN      ^usr/lib/iconv
55 PLUGIN      ^usr/lib/inet/ppp
56 PLUGIN      ^usr/lib/mdb
57 PLUGIN      ^usr/lib/pci
58 PLUGIN      ^usr/lib/picl/plugins
59 PLUGIN      ^usr/lib/python2.[46]
60 PLUGIN      ^usr/lib/rcm/modules

```

new/exception\_lists/interface\_check

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```

61 PLUGIN      ^usr/lib/scsi/plugins
62 PLUGIN      ^usr/lib/sysevent/modules
63 PLUGIN      ^usr/perl5/5.[^\]*\lib
64 PLUGIN      ^usr/platform
65 PLUGIN      ^usr/sadm/lib/wbem

68 # sbcp is a special case, and not a plugin. However, it does not have a
69 # versioned name, and does not contain versioning, so the PLUGIN exemptions fit.
70 PLUGIN      ^usr/4lib/sbcp$

73 # Objects that are not expected to contain versioning information.
74 # Note that PLUGIN objects are automatically exempt from this,
75 # so these directives are generally applied to non-plugin objects
76 NOVERDEF    ^usr/4lib/libc\$.so\$.
77 NOVERDEF    ^usr/MACH(lib)/0\@0\$.so\$.1$
78 NOVERDEF    ^usr/lib/MACH(abi)/appttrace\$.so\$.1$
79 NOVERDEF    ^usr/MACH(lib)/libfru.*\$.so\$.1$
80 NOVERDEF    ^usr/MACH(lib)/libkrb5\$.so\$.1$
81 NOVERDEF    ^usr/MACH(lib)/libzpool\$.so\$.1$
82 NOVERDEF    ^usr/MACH(lib)/madv\$.so\$.1$
83 NOVERDEF    ^usr/MACH(lib)/mpss\$.so\$.1$
84 NOVERDEF    ^usr/MACH(lib)/s10_brand\$.so\$.1$
85 NOVERDEF    ^usr/MACH(lib)/s10_npreload\$.so\$.1$
86 NOVERDEF    ^usr/MACH(lib)/snl_brand\$.so\$.1$
87 NOVERDEF    ^usr/lib/fs/[^\]*\fstyp\$.so\$.1$
88 NOVERDEF    ^usr/lib/libmilter\$.so\$.1$
89 NOVERDEF    ^usr/lib/libwrap\$.so\$.1\$.0$
90 NOVERDEF    ^usr/lib/locale/MACH(iso_8859_1)/iso_8859_1\$.so\$.3$
91 NOVERDEF    ^usr/lib/picl/plugins$
92 NOVERDEF    ^usr/sadm/admin/dhccpmgr/dhccpmgr\$.so\$.1$
93 NOVERDEF    ^usr/sadm/admin/printmgr/lib/libpmgr\$.so\$.1$

96 # Objects that are allowed to deviate from our standard version
97 # names.
98 NONSTD_VERNAME ^usr/MACH(lib)/libtecla\$.so\$.1$

101 # These libc variants have an SONAME of libc\$.so\$.1$
102 NONSTD_VERNAME ^usr/MACH(lib)/libc/libc_hwcapi[1-3]+\$.so\$.1$

105 # The ABI requires the SONAME for libsys.so.1 to be /usr/lib/ld.so.1
106 # That means that the base version will also be /usr/lib/ld.so.1, which
107 # is non-standard.
108 NONSTD_VERNAME ^usr/lib/libsys\$.so\$.1$

```

```

*****
10285 Wed Aug  8 20:59:27 2012
new/usr/src/cmd/logadm/glob.c
Bump Apache dependency to Apache 2
*****
1 /*
2  * CDDL HEADER START
3  *
4  * The contents of this file are subject to the terms of the
5  * Common Development and Distribution License (the "License").
6  * You may not use this file except in compliance with the License.
7  *
8  * You can obtain a copy of the license at usr/src/OPENSOLARIS.LICENSE
9  * or http://www.opensolaris.org/os/licensing.
10 * See the License for the specific language governing permissions
11 * and limitations under the License.
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13 * When distributing Covered Code, include this CDDL HEADER in each
14 * file and include the License file at usr/src/OPENSOLARIS.LICENSE.
15 * If applicable, add the following below this CDDL HEADER, with the
16 * fields enclosed by brackets "[]" replaced with your own identifying
17 * information: Portions Copyright [yyyy] [name of copyright owner]
18 *
19 * CDDL HEADER END
20 */
21 /*
22 * Copyright 2006 Sun Microsystems, Inc. All rights reserved.
23 * Use is subject to license terms.
24 *
25 * logadm/glob.c -- globbing routines
26 *
27 * these routines support two kinds of globs.  first, the
28 * usual kind of filename globbing, like:
29 *
30 *     *.c
31 *     /var/log/syslog.?
32 *     log[0-9]*file
33 *     /var/apache2/2.2/logs/x*{access,error}_log
34 *     /var/apache/logs/x*{access,error}_log
35 *
36 * this is basically the same syntax that csh supports for globs and
37 * is provided by the routine glob_glob() which takes a filename and
38 * returns a list of filenames that match the glob.
39 *
40 * the second type is something called a "reglob" which is a pathname
41 * where the components are regular expressions as described in regex(3c).
42 * some examples:
43 *
44 *     *.*.c
45 *     /var/log/syslog\..
46 *     log[0-9].*file
47 *     /var/log/syslog\.([0-9]+)$0
48 *
49 * the last example uses the ()$n form to assign a numeric extension
50 * on a filename to the "n" value kept by the fn routines with each
51 * filename (see fn_setn() in fn.c).  logadm uses this mechanism to
52 * correctly sort lognames when templates containing $n are used.
53 *
54 * the routine glob_reglob() is used to expand reglobs.  glob_glob()
55 * is implemented by expanding the curly braces, converting the globs
56 * to reglobs, and then passing the work to glob_reglob().
57 *
58 * finally, since expanding globs and reglobs requires doing a stat(2)
59 * on the files, we store the resulting stat information in the filename
60 * struct (see fn_setstat() in fn.c).

```

```

61 * the glob(3c) routines are not used here since they don't support
62 * braces, and don't support the more powerful reglobs required by logadm.
63 */
64
65 #pragma ident      "%Z%M% %I%      %E% SMI"
66
67 #include <stdio.h>
68 #include <libintl.h>
69 #include <stdlib.h>
70 #include <libgen.h>
71 #include <strings.h>
72 #include <sys/types.h>
73 #include <sys/param.h>
74 #include <sys/stat.h>
75 #include <dirent.h>
76 #include "err.h"
77 #include "fn.h"
78 #include "glob.h"
79
80 /* forward declarations for functions used internally by this module */
81 static struct fn_list *glob_debrace(struct fn *fnp);
82 static struct fn_list *glob_reglob_list(struct fn_list *fnlp);
83 static boolean_t glob_magic(struct fn *fnp);
84
85 /* expand curly braces (like file{one,two,three}name) */
86 static struct fn_list *
87 glob_debrace(struct fn *fnp)
88 {
89     struct fn_list *ret = fn_list_new(NULL);
90     struct fn_list *newret;
91     char *sp = fn_s(fnp);
92     char *left;
93     char *right;
94     char *comma;
95
96     /* start with an empty string in the list */
97     fn_list_adds(ret, "");
98
99     /* while braces remain... */
100    while (sp != NULL && (left = strchr(sp, '{') != NULL)
101           && (right = strchr(left, '}') != NULL) {
102        if ((right = strchr(left, ',')) == NULL) {
103            err(EF_FILE|EF_JMP, "Missing }");
104            fn_list_free(ret);
105            return (NULL);
106        } else {
107            /* stuff before "left" is finished */
108            fn_list_appendrange(ret, sp, left);
109
110            /* stuff after "right" still need processing */
111            sp = right + 1;
112
113            if (left + 1 == right)
114                continue; /* just an empty {} */
115
116            /* stuff between "left" and "right" is comma-sep list */
117            left++;
118            newret = fn_list_new(NULL);
119            while ((comma = strchr(left, ',')) != NULL) {
120                struct fn_list *dup = fn_list_dup(ret);
121
122                /* stuff from left to comma is one variant */
123                fn_list_appendrange(dup, left, comma);
124                fn_list_addfn_list(newret, dup);
125                left = comma + 1;
126            }
127        }
128    }
129
130    /* what's left is the last item in the list */

```

new/usr/src/cmd/logadm/glob.c

3

```
125             fn_list_appendrange(ret, left, right);
126             fn_list_addfn_list(newret, ret);
127             ret = newret;
128         }
129
130     /* anything remaining in "s" is finished */
131     fn_list_appendrange(ret, sp, &sp[strlen(sp)]);
132     return (ret);
133 }
_____unchanged_portion_omitted_____
```

```

*****
34483 Wed Aug  8 20:59:28 2012
new/usr/src/cmd/logadm/main.c
Bump Apache dependency to Apache 2
*****
_____unchanged_portion_omitted_____

565 /* absurdly long buffer lengths for holding user/group/mode strings */
566 #define TimestRMAX 100
567 #define MAXATTR 100

569 /* rotate a log file if necessary, returns true if ok to go on to expire step */
570 static boolean_t
571 rotatelog(struct fn *fnp, struct opts *opts)
572 {
573     char *fname = fn_s(fnp);
574     struct stat stbuf;
575     char nowstr[TimestRMAX];
576     struct fn *recentlog = fn_new(NULL); /* for -R cmd */
577     char ownerbuf[MAXATTR];
578     char groupbuf[MAXATTR];
579     char modebuf[MAXATTR];
580     const char *owner;
581     const char *group;
582     const char *mode;

584     if (Debug && fname != NULL)
585         (void) fprintf(stderr, "rotatelog: fname <%s>\n", fname);

587     if (opts_count(opts, "p") && opts_optarg_int(opts, "p") == OPTP_NEVER)
588         return (B_TRUE); /* "-p never" forced no rotate */

590     /* prepare the keywords */
591     kw_init(fnp, NULL);
592     if (Debug > 1) {
593         (void) fprintf(stderr, "rotatelog keywords:\n");
594         kw_print(stderr);
595     }

597     if (lstat(fname, &stbuf) < 0) {
598         if (opts_count(opts, "N"))
599             return (1);
600         err(EF_WARN|EF_SYS, "%s", fname);
601         return (B_FALSE);
602     }

604     if ((stbuf.st_mode & S_IFMT) == S_IFLNK) {
605         err(EF_WARN, "%s is a symlink", fname);
606         return (B_FALSE);
607     }

609     if ((stbuf.st_mode & S_IFMT) != S_IFREG) {
610         err(EF_WARN, "%s is not a regular file", fname);
611         return (B_FALSE);
612     }

614     /* even if size condition is not met, this entry is "done" */
615     if (opts_count(opts, "s") &&
616         stbuf.st_size < opts_optarg_int(opts, "s")) {
617         Donenames = lut_add(Donenames, fname, "1");
618         return (B_TRUE);
619     }

621     /* see if age condition is present, and return if not met */
622     if (opts_count(opts, "p") {

```

```

623         off_t when = opts_optarg_int(opts, "p");
624         struct opts *cfopts;

626     /* unless rotate forced by "-p now", see if period has passed */
627     if (when != OPTP_NOW) {
628         /*
629          * "when" holds the number of seconds that must have
630          * passed since the last time this log was rotated.
631          * of course, running logadm can take a little time
632          * (typically a second or two, but longer if the
633          * conf file has lots of stuff in it) and that amount
634          * of time is variable, depending on system load, etc.
635          * so we want to allow a little "slop" in the value of
636          * "when". this way, if a log should be rotated every
637          * week, and the number of seconds passed is really a
638          * few seconds short of a week, we'll go ahead and
639          * rotate the log as expected.
640          */
641         /*
642          * if (when >= 60 * 60)
643             when -= 59;
644         */
645     /*
646      * last rotation is recorded as argument to -P,
647      * but if logname isn't the same as log file name
648      * then the timestamp would be recorded on a
649      * separate line in the conf file. so if we
650      * haven't seen a -P already, we check to see if
651      * it is part of a specific entry for the log
652      * file name. this handles the case where the
653      * logname is "apache", it supplies a log file
654      * name like "/var/apache2/2.2/logs/[a-z]*_log",
655      * which expands to multiple file names. if one of
656      * the file names is "/var/apache2/2.2/logs/access_log"
657      * then the -P will be attached to a line with that
658      * name like "/var/apache/logs/[a-z]*_log",
659      * which expands to multiple file names. if one
660      * of the file names is "/var/apache/logs/access_log"
661      * the the -P will be attached to a line with that
662      * logname in the conf file.
663      */
664     if (opts_count(opts, "P")) {
665         off_t last = opts_optarg_int(opts, "P");

666         /* return if not enough time has passed */
667         if (Now - last < when)
668             return (B_TRUE);
669     } else if ((cfopts = conf_opts(fname)) != NULL &&
670         opts_count(cfopts, "P")) {
671         off_t last = opts_optarg_int(cfopts, "P");

672         /*
673          * just checking this means this entry
674          * is now "done" if we're going through
675          * the entire conf file
676          */
677         Donenames = lut_add(Donenames, fname, "1");

678     /* return if not enough time has passed */
679     if (Now - last < when)
680         return (B_TRUE);
681     }
682     }

684     if (Debug)

```

```

685     (void) fprintf(stderr, "rotatelog: conditions met\n");
686     if (opts_count(opts, "l")) {
687         /* Change the time zone to local time zone */
688         if (putenv("TZ="))
689             err(EF_SYS, "putenv TZ");
690         tzset();
691         Now = time(0);
692
693         /* rename the log file */
694         rotateto(fnp, opts, 0, recentlog, B_FALSE);
695
696         /* Change the time zone to UTC */
697         if (putenv("TZ=UTC"))
698             err(EF_SYS, "putenv TZ");
699         tzset();
700         Now = time(0);
701     } else {
702         /* rename the log file */
703         rotateto(fnp, opts, 0, recentlog, B_FALSE);
704     }
705
706     /* determine owner, group, mode for empty log file */
707     if (opts_count(opts, "o"))
708         (void) strcpy(ownerbuf, opts_optarg(opts, "o"), MAXATTR);
709     else {
710         (void) snprintf(ownerbuf, MAXATTR, "%ld", stbuf.st_uid);
711     }
712     owner = ownerbuf;
713     if (opts_count(opts, "g"))
714         group = opts_optarg(opts, "g");
715     else {
716         (void) snprintf(groupbuf, MAXATTR, "%ld", stbuf.st_gid);
717         group = groupbuf;
718     }
719     (void) strcat(ownerbuf, ":", MAXATTR - strlen(ownerbuf));
720     (void) strcat(ownerbuf, group, MAXATTR - strlen(ownerbuf));
721     if (opts_count(opts, "m"))
722         mode = opts_optarg(opts, "m");
723     else {
724         (void) snprintf(modebuf, MAXATTR,
725             "%03lo", stbuf.st_mode & 0777);
726         mode = modebuf;
727     }
728
729     /* create the empty log file */
730     docmd(opts, NULL, Touch, fname, NULL, NULL);
731     docmd(opts, NULL, Chown, owner, fname, NULL);
732     docmd(opts, NULL, Chmod, mode, fname, NULL);
733
734     /* execute post-rotation command */
735     if (opts_count(opts, "R")) {
736         struct fn *rawcmd = fn_new(opts_optarg(opts, "R"));
737         struct fn *cmd = fn_new(NULL);
738
739         kw_init(recentlog, NULL);
740         (void) kw_expand(rawcmd, cmd, 0, B_FALSE);
741         docmd(opts, "-R cmd", Sh, "-c", fn_s(cmd), NULL);
742         fn_free(rawcmd);
743         fn_free(cmd);
744     }
745     fn_free(recentlog);
746
747     /*
748     * add "after" command to list of after commands. we also record
749     * the email address, if any, where the error output of the after
750     * command should be sent. if the after command is already on

```

```

751     * our list, add the email addr to the list the email addr for
752     * that command (the after command will only be executed once,
753     * so the error output gets mailed to every address we've come
754     * across associated with this command).
755     */
756     if (opts_count(opts, "a")) {
757         const char *cmd = opts_optarg(opts, "a");
758         struct lut *addrs = (struct lut *)lut_lookup(Aftercmds, cmd);
759         if (opts_count(opts, "e"))
760             addrs = lut_add(addrs, opts_optarg(opts, "e"), NULL);
761         Aftercmds = lut_add(Aftercmds, opts_optarg(opts, "a"), addrs);
762     }
763
764     /* record the rotation date */
765     (void) strftime(nowstr, sizeof(nowstr),
766         "%a %b %e %T %Y", gmtime(&Now));
767     if (opts_count(opts, "v") && fname != NULL)
768         (void) out("# recording rotation date %s for %s\n",
769             nowstr, fname);
770     conf_set(fname, "P", STRDUP(nowstr));
771     Donenames = lut_add(Donenames, fname, "1");
772     return (B_TRUE);
773 }

```

unchanged portion omitted

new/usr/src/cmd/logadm/tester

1

\*\*\*\*\*  
69918 Wed Aug 8 20:59:29 2012

new/usr/src/cmd/logadm/tester  
Bump Apache dependency to Apache 2

\*\*\*\*\*

\_\_\_\_\_unchanged\_portion\_omitted\_\_\_\_\_

256 #####  
257 #####  
258 #####  
259 #####  
260 #####

THE TESTS START AFTER HERE...

```
262 # common setup step -- create a testfile.conf
263 sub set_testconffile {
264     my $fname = shift;
265     $fname = 'testfile.conf' unless defined($fname);
266
267     set_file($fname, <<'EOF');
268 #
269 # logadm.conf
270 #
271 # Default settings for system log file management.
272 # The -w option to logadm(1M) is the preferred way to write to this file,
273 # but if you do edit it by hand, use "logadm -V" to check it for errors.
274 #
275 # The format of lines in this file is:
276 #     <logname> <options>
277 # For each logname listed here, the default options to logadm
278 # are given. Options given on the logadm command line override
279 # the defaults contained in this file.
280 #
281 # logadm typically runs early every morning via an entry in
282 # root's crontab (see crontab(1)).
283 #
284 /var/adm/messages -C 4 -P 'Thu Nov 1 16:56:42 2001' -a 'kill -HUP `cat /var/run
285 /var/cron/log -s 512k -t /var/cron/olog
286 /var/lp/logs/lpsched -C 2 -N -t '$file.$N'
287 #
288 # The entry below is used by turnacct(1M)
289 #
290 /var/adm/pacct -C 0 -a '/usr/lib/acct/accton pacct' -g adm -m 664 -o adm -p neve
291 apache -C 24 -a '/usr/apache2/2.2/bin/apachectl graceful' -p lm -t '/var/apache2
291 apache -C 24 -a '/usr/apache/bin/apachectl graceful' -p lm -t '/var/apache/old-1
292 /var/log/syslog -C 8 -P 'Thu Nov 1 09:16:38 2001' -a 'kill -HUP `cat /var/run/s
293 /var/apache2/2.2/logs/access_log -P 'Thu Nov 1 08:27:56 2001'
294 /var/apache2/2.2/logs/error_log -P 'Thu Nov 1 08:27:56 2001'
295 /var/apache2/2.2/logs/suexec_log -P 'Thu Nov 1 08:27:56 2001'
296 /var/apache2/2.2/logs/mod_jserv.log -P 'Thu Nov 1 08:27:56 2001'
297 /var/apache2/2.2/logs/jserv.log -P 'Thu Nov 1 08:27:56 2001'
298 /var/apache/logs/access_log -P 'Thu Nov 1 08:27:56 2001'
299 /var/apache/logs/error_log -P 'Thu Nov 1 08:27:56 2001'
300 /var/apache/logs/suexec_log -P 'Thu Nov 1 08:27:56 2001'
301 /var/apache/logs/mod_jserv.log -P 'Thu Nov 1 08:27:56 2001'
302 /var/apache/logs/jserv.log -P 'Thu Nov 1 08:27:56 2001'
303 EOF
304 }
_____unchanged_portion_omitted_____
```

```
812 #####
813 #
814 #     logadmV1 -- test of "logadm -V"
815 #
816 #####
817 sub logadmV1 {
818     set_testconffile;
```

new/usr/src/cmd/logadm/tester

2

```
820     set_file('std.out.expect', <<'EOF');
821 /var/adm/messages -C 4 -P 'Thu Nov 1 16:56:42 2001' -a 'kill -HUP `cat /var/run
822 /var/cron/log -s 512k -t /var/cron/olog
823 /var/lp/logs/lpsched -C 2 -N -t '$file.$N'
824 /var/adm/pacct -C 0 -a '/usr/lib/acct/accton pacct' -g adm -m 664 -o adm -p neve
825 apache -C 24 -a '/usr/apache2/2.2/bin/apachectl graceful' -p lm -t '/var/apache2
825 apache -C 24 -a '/usr/apache/bin/apachectl graceful' -p lm -t '/var/apache/old-1
826 /var/log/syslog -C 8 -P 'Thu Nov 1 09:16:38 2001' -a 'kill -HUP `cat /var/run/s
827 /var/apache2/2.2/logs/access_log -P 'Thu Nov 1 08:27:56 2001'
828 /var/apache2/2.2/logs/error_log -P 'Thu Nov 1 08:27:56 2001'
829 /var/apache2/2.2/logs/suexec_log -P 'Thu Nov 1 08:27:56 2001'
830 /var/apache2/2.2/logs/mod_jserv.log -P 'Thu Nov 1 08:27:56 2001'
831 /var/apache2/2.2/logs/jserv.log -P 'Thu Nov 1 08:27:56 2001'
832 /var/apache/logs/access_log -P 'Thu Nov 1 08:27:56 2001'
833 /var/apache/logs/error_log -P 'Thu Nov 1 08:27:56 2001'
834 /var/apache/logs/suexec_log -P 'Thu Nov 1 08:27:56 2001'
835 /var/apache/logs/mod_jserv.log -P 'Thu Nov 1 08:27:56 2001'
836 /var/apache/logs/jserv.log -P 'Thu Nov 1 08:27:56 2001'
837 EOF
```

```
834     set_file('checktest', <<'EOF');
835 [ -s std.err ] && { cat std.err; exit 1; }
836 exec /bin/diff std.out.expect std.out
837 EOF
```

```
839     set_file('runtest', <<"EOF");
840 # test "logadmV1"
841 $envsetup
842 exec $bindir/logadm -f testfile.conf -F testfile.conf -V >std.out 2>std.err
843 EOF
844 }
```

\_\_\_\_\_unchanged\_portion\_omitted\_\_\_\_\_



new/usr/src/cmd/lp/cmd/lpsched/print-svc

1

```
*****
4199 Wed Aug  8 20:59:30 2012
new/usr/src/cmd/lp/cmd/lpsched/print-svc
Bump Apache dependency to Apache 2
*****
1 #!/sbin/sh
2 #
3 # CDDL HEADER START
4 #
5 # The contents of this file are subject to the terms of the
6 # Common Development and Distribution License (the "License").
7 # You may not use this file except in compliance with the License.
8 #
9 # You can obtain a copy of the license at usr/src/OPENSOLARIS.LICENSE
10 # or http://www.opensolaris.org/os/licensing.
11 # See the License for the specific language governing permissions
12 # and limitations under the License.
13 #
14 # When distributing Covered Code, include this CDDL HEADER in each
15 # file and include the License file at usr/src/OPENSOLARIS.LICENSE.
16 # If applicable, add the following below this CDDL HEADER, with the
17 # fields enclosed by brackets "[]" replaced with your own identifying
18 # information: Portions Copyright [yyyy] [name of copyright owner]
19 #
20 # CDDL HEADER END
21 #
22 #
23 # Copyright 2009 Sun Microsystems, Inc. All rights reserved.
24 # Use is subject to license terms.
25 #
26 #
28 . /lib/svc/share/smf_include.sh
29 . /lib/svc/share/ipf_include.sh
31 # SERVICE = parent service name
32 SERVICE='echo $SMF_FMRI | /usr/bin/cut -f1,2 -d':"`
34 case "$1" in
35 'start')
37 isoopts='/usr/sbin/svccfg <<-EOF
38     select $SMF_FMRI
39     listpg cmd_opts
41     EOF`
43 if [ "$isoopts" ]; then
45 #called by /usr/lib/lpsched; use cmd_opts properties only
47     num_notifiers='/bin/svcprop -p cmd_opts/num_notifiers $SMF_FMRI`
49     if [ "$num_notifiers" != "" ]; then
50         OPTS="$OPTS -n $num_notifiers"
51     fi
53     num_filters='/bin/svcprop -p cmd_opts/num_filters $SMF_FMRI`
55     if [ "$num_filters" != "" ]; then
56         OPTS="$OPTS -f $num_filters"
57     fi
59     fd_limit='/bin/svcprop -p cmd_opts/fd_limit $SMF_FMRI`
61     if [ "$fd_limit" != "" ]; then
```

new/usr/src/cmd/lp/cmd/lpsched/print-svc

2

```
62     OPTS="$OPTS -p $fd_limit"
63     fi
65     reserved_fds='/bin/svcprop -p cmd_opts/reserved_fds $SMF_FMRI`
67     if [ "$reserved_fds" != "" ]; then
68         OPTS="$OPTS -r $reserved_fds"
69     fi
71 # clear out cmd_opts property group
73     svccfg <<-EOF
74     select $SMF_FMRI
75     delpg cmd_opts
77     EOF
79 else
81 # We are here through enable; use lpsched properties
82 # Check for saved properties
84     num_notifiers='/bin/svcprop -p lpsched/num_notifiers $SERVICE`
85     if [ "$num_notifiers" != "" ] && [ "$num_notifiers" != "0" ]; then
86         OPTS="$OPTS -n $num_notifiers"
87     fi
89     num_filters='/bin/svcprop -p lpsched/num_filters $SERVICE`
90     if [ "$num_filters" != "" ] && [ "$num_filters" != "0" ]; then
91         OPTS="$OPTS -f $num_filters"
92     fi
94     fd_limit='/bin/svcprop -p lpsched/fd_limit $SERVICE`
95     if [ "$fd_limit" != "" ] && [ "$fd_limit" != "0" ]; then
96         OPTS="$OPTS -p $fd_limit"
97     fi
99     reserved_fds='/bin/svcprop -p lpsched/reserved_fds $SERVICE`
100    if [ "$reserved_fds" != "" ] && [ "$reserved_fds" != "0" ]; then
101        OPTS="$OPTS -r $reserved_fds"
102    fi
103 fi
105 # set temporary or permanent properties from OPTS
107     [ -f /usr/lib/lp/local/lpsched ] || exit $SMF_EXIT_ERR_CONFIG
109     /usr/lib/lp/local/lpsched ${OPTS}
111     ;;
113 'stop')
114     [ -f /usr/lib/lp/local/lpshut ] || exit $SMF_EXIT_ERR_CONFIG
116     /usr/lib/lp/local/lpshut
117     ;;
119 'ipfilter')
120     FMRI=$2
121     IPP_FMRI="svc:/application/print/ipp-listener:default"
122     RFC1179_FMRI="svc:/application/print/rfc1179:default"
123     IPP_CONF=/etc/apache2/2.2/httpd-standalone-ipp.conf
124     IPP_CONF=/etc/apache/httpd-standalone-ipp.conf
125     ip="any"
126     policy='get_policy $FMRI`
```

```
128     file=`fmri_to_file $RFC1179_FMRI $IPF_SUFFIX`
129     echo "# $RFC1179_FMRI" >$file
130     service_is_enabled ${RFC1179_FMRI}
131     if [ $? -eq 0 ]; then
132         rfc_name='svcprop -p inetd/name ${RFC1179_FMRI} 2>/dev/null`
133         rfc_proto='svcprop -p inetd/proto ${RFC1179_FMRI} 2>/dev/null |
134             sed 's/6/ /`
135         rfc_port='$$SERVINFO -p -t -s $rfc_name`
136         generate_rules $FMRI $policy $rfc_proto $ip $rfc_port $file
137     fi

139     file=`fmri_to_file $IPP_FMRI $IPF_SUFFIX`
140     echo "# $IPP_FMRI" >$file
141     service_is_enabled ${IPP_FMRI}
142     if [ $? -eq 0 ]; then
143         #
144         # If Listen directives are used, it's possible to listen on
145         # more than one ports. Process the Port directives only when Lis
146         # directives don't exist.
147         #
148         ipp_ports=`grep '^[ \t]*[^\# ]*Listen' ${IPP_CONF} | awk '{print

150         if [ -z "$ipp_ports" ]; then
151             ipp_ports=`grep '^[ \t]*[^\# ]*Port' ${IPP_CONF} | \
152                 awk '{print $2}' | tail -1`
153         fi

155         for port in $ipp_ports; do
156             generate_rules $FMRI $policy "tcp" $ip $port $file
157         done
158     fi

160     ;;

162 *)
163     echo "Usage: $0 { start | stop }"
164     exit 1
165     ;;
166 esac
167 exit $SMF_EXIT_OK
```

new/usr/src/lib/print/libipp-listener/common/ipp-listener.c

1

```
*****
14678 Wed Aug  8 20:59:31 2012
new/usr/src/lib/print/libipp-listener/common/ipp-listener.c
Bump Apache dependency to Apache 2
*****
1 /*
2  * CDDL HEADER START
3  *
4  * The contents of this file are subject to the terms of the
5  * Common Development and Distribution License (the "License").
6  * You may not use this file except in compliance with the License.
7  *
8  * You can obtain a copy of the license at usr/src/OPENSOLARIS.LICENSE
9  * or http://www.opensolaris.org/os/licensing.
10 * See the License for the specific language governing permissions
11 * and limitations under the License.
12 *
13 * When distributing Covered Code, include this CDDL HEADER in each
14 * file and include the License file at usr/src/OPENSOLARIS.LICENSE.
15 * If applicable, add the following below this CDDL HEADER, with the
16 * fields enclosed by brackets "[]" replaced with your own identifying
17 * information: Portions Copyright [yyyy] [name of copyright owner]
18 *
19 * CDDL HEADER END
20 */
22 /*
23  * Copyright 2012 Nexenta Systems, Inc. All rights reserved.
24  * Copyright 2008 Sun Microsystems, Inc. All rights reserved.
25  * Use is subject to license terms.
26  *
27  */
29 /* $Id: ipp-listener.c 146 2006-03-24 00:26:54Z njacobs $ */
30 #pragma ident "%Z%M% %I% %E% SMI"
31 #include <stdio.h>
32 #include <stdlib.h>
33 #include <string.h>
34 #include <netinet/in.h>
35 #include <assert.h>
36 #include <errno.h>
37 #include <syslog.h>
38 #include <sys/types.h>
39 #include <sys/stat.h>
40 #include <fcntl.h>
41 #include <unistd.h>
42 #include <sys/systeminfo.h>
44 #include <papi.h>
45 #include <ipp-listener.h>
46 #include <uri.h>
48 typedef papi_status_t (ipp_handler_t)(papi_service_t svc,
49                                       papi_attribute_t **request,
50                                       papi_attribute_t ***response,
51                                       ipp_reader_t iread, void *fd);
53 /*
54  * protocol request handlers are inserted below. The handler must be
55  * declared extern immediately below this comment and then an entry
56  * must be inserted in the "handlers" table a little further down.
57  */
58 extern ipp_handler_t ipp_print_job;
59 extern ipp_handler_t ipp_validate_job;
```

new/usr/src/lib/print/libipp-listener/common/ipp-listener.c

2

```
60 extern ipp_handler_t ipp_create_job;
61 extern ipp_handler_t ipp_get_printer_attributes;
62 extern ipp_handler_t ipp_get_jobs;
63 extern ipp_handler_t ipp_pause_printer;
64 extern ipp_handler_t ipp_resume_printer;
65 extern ipp_handler_t ipp_disable_printer;
66 extern ipp_handler_t ipp_enable_printer;
67 extern ipp_handler_t ipp_purge_jobs;
68 extern ipp_handler_t ipp_send_document;
69 extern ipp_handler_t ipp_cancel_job;
70 extern ipp_handler_t ipp_get_job_attributes;
71 extern ipp_handler_t ipp_release_job;
72 extern ipp_handler_t ipp_hold_job;
73 extern ipp_handler_t ipp_restart_job;
74 extern ipp_handler_t ipp_set_job_attributes;
75 extern ipp_handler_t ipp_set_printer_attributes;
76 extern ipp_handler_t cups_get_default;
77 extern ipp_handler_t cups_get_printers;
78 extern ipp_handler_t cups_get_classes;
79 extern ipp_handler_t cups_accept_jobs;
80 extern ipp_handler_t cups_reject_jobs;
81 extern ipp_handler_t cups_move_job;
83 /* ARGSUSED0 */
84 static papi_status_t
85 default_handler(papi_service_t svc, papi_attribute_t **request,
86                papi_attribute_t ***response, ipp_reader_t iread, void *fd)
87 {
88     int result = (int)PAPI_INTERNAL_ERROR;
89
90     if (response != NULL)
91         (void) papiAttributeListGetInteger(*response, NULL,
92                                           "status-code", &result);
94     return ((papi_status_t)result);
95 }
unchanged portion omitted
152 static int
153 ipp_operation_name_to_index(const char *name)
154 ipp_operation_name_to_index(char *name)
155 {
156     int i;
157
158     for (i = 0; handlers[i].name != NULL; i++)
159         if (strcasecmp(name, handlers[i].name) == 0)
160             return (i);
161
162     return (-1);
163 }
unchanged portion omitted
234 static char
235 type_to_boolean(const char *type)
236 type_to_boolean(char *type)
237 {
238     char result = PAPI_FALSE;
239
240     if ((strcasecmp(type, "true") == 0) ||
241         (strcasecmp(type, "yes") == 0) ||
242         (strcasecmp(type, "on") == 0) ||
243         (strcasecmp(type, "enable") == 0))
244         result = PAPI_TRUE;
245
246     return (result);
247 }
unchanged portion omitted
```

```
277 papi_status_t
278 ipp_configure_operation(papi_attribute_t ***list, const char *operation, const c
279 ipp_configure_operation(papi_attribute_t ***list, char *operation, char *type)
279 {
280     papi_status_t result = PAPI_OPERATION_NOT_SUPPORTED;
281     char boolean = PAPI_FALSE;
283     if ((list == NULL) || (operation == NULL) || (type == NULL))
284         return (PAPI_BAD_ARGUMENT);
286     boolean = type_to_boolean(type);
288     if (strcasecmp(operation, "all") == 0) {
289         result = ipp_configure_all_operations(list, boolean);
290     } else if (strcasecmp(operation, "required") == 0) {
291         result = ipp_configure_required_operations(list, boolean);
292     } else if (ipp_operation_name_to_index(operation) != -1) {
293         result = papiAttributeListAddBoolean(list, PAPI_ATTR_REPLACE,
294                                             operation, boolean);
295     }
297     return (result);
298 }
unchanged_portion_omitted
```

new/usr/src/lib/print/libipp-listener/common/ipp-listener.h

1

```
*****
2355 Wed Aug  8 20:59:32 2012
new/usr/src/lib/print/libipp-listener/common/ipp-listener.h
Bump Apache dependency to Apache 2
*****
1 /*
2  * CDDL HEADER START
3  *
4  * The contents of this file are subject to the terms of the
5  * Common Development and Distribution License (the "License").
6  * You may not use this file except in compliance with the License.
7  *
8  * You can obtain a copy of the license at usr/src/OPENSOLARIS.LICENSE
9  * or http://www.opensolaris.org/os/licensing.
10 * See the License for the specific language governing permissions
11 * and limitations under the License.
12 *
13 * When distributing Covered Code, include this CDDL HEADER in each
14 * file and include the License file at usr/src/OPENSOLARIS.LICENSE.
15 * If applicable, add the following below this CDDL HEADER, with the
16 * fields enclosed by brackets "[]" replaced with your own identifying
17 * information: Portions Copyright [yyyy] [name of copyright owner]
18 *
19 * CDDL HEADER END
20 */

22 /*
23  * Copyright 2012 Nexenta Systems, Inc. All rights reserved.
24  * Copyright 2006 Sun Microsystems, Inc. All rights reserved.
25  * Use is subject to license terms.
26  *
27  */

29 #ifndef _IPP_LISTENER_H
30 #define _IPP_LISTENER_H

32 /* $Id: ipp-listener.h 146 2006-03-24 00:26:54Z njacobs $ */

33 #pragma ident    "%Z%M% %I%    %E% SMI"

34 #ifdef __cplusplus
35 extern "C" {
36 #endif

38 #include <ipp.h>

40 /* exported functions */
41 extern papi_status_t ipp_configure_operation(papi_attribute_t ***list,
42                                             const char *operation,
43                                             const char *type);
43                                             char *operation, char *type);
44 extern papi_status_t ipp_process_request(papi_attribute_t **request,
45                                         papi_attribute_t ***response,
46                                         ipp_reader_t ired, void *fd);

48 /* shared internal functions */
49 extern char *ipp_svc_status_msg(papi_service_t svc, papi_status_t status);
50 extern char *destination_from_printer_uri(char *);
51 extern void get_printer_id(papi_attribute_t **attributes, char **printer,
52                            int *id);
53 extern void ipp_operations_supported(papi_attribute_t ***list,
54                                     papi_attribute_t **request);
55 extern void get_string_list(papi_attribute_t **attributes, char *name,
56                             char ***values);
57 extern void add_default_attributes(papi_attribute_t **attributes);
58 extern void papi_to_ipp_printer_group(papi_attribute_t ***response,
```

new/usr/src/lib/print/libipp-listener/common/ipp-listener.h

2

```
59         papi_attribute_t **request, int flags,
60         papi_printer_t p);
61 extern void papi_to_ipp_job_group(papi_attribute_t ***response,
62                                   papi_attribute_t **request, int flags, papi_job_t j);
63 extern void message_response(papi_attribute_t **request,
64                              papi_attribute_t **response);

66 #ifdef __cplusplus
67 }
_____unchanged_portion_omitted_____
```

new/usr/src/lib/print/libpapi-common/common/attribute.c

1

\*\*\*\*\*  
25631 Wed Aug 8 20:59:33 2012

new/usr/src/lib/print/libpapi-common/common/attribute.c

Bump Apache dependency to Apache 2

\*\*\*\*\*

```
1 /*
2  * CDDL HEADER START
3  *
4  * The contents of this file are subject to the terms of the
5  * Common Development and Distribution License (the "License").
6  * You may not use this file except in compliance with the License.
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9  * or http://www.opensolaris.org/os/licensing.
10 * See the License for the specific language governing permissions
11 * and limitations under the License.
12 *
13 * When distributing Covered Code, include this CDDL HEADER in each
14 * file and include the License file at usr/src/OPENSOLARIS.LICENSE.
15 * If applicable, add the following below this CDDL HEADER, with the
16 * fields enclosed by brackets "[]" replaced with your own identifying
17 * information: Portions Copyright [yyyy] [name of copyright owner]
18 *
19 * CDDL HEADER END
20 */
```

```
22 /*
23 * Copyright 2012 Nexenta Systems, Inc. All rights reserved.
24 * Copyright 2008 Sun Microsystems, Inc. All rights reserved.
25 * Use is subject to license terms.
26 *
27 */
```

```
29 /* $Id: attribute.c 157 2006-04-26 15:07:55Z ktou $ */
```

```
30 #pragma ident "%Z%M% %I% %E% SMI"
```

```
31 /*LINTLIBRARY*/
```

```
33 #include <stdio.h>
34 #include <stdlib.h>
35 #include <stdarg.h>
36 #include <string.h>
37 #include <ctype.h>
38 #include <alloca.h>
39 #include <papi.h>
40 #include <regex.h>
```

```
42 #define MAX_PAGES 32767
43 /*
44 * Assuming the maximum number of pages in
45 * a document to be 32767
46 */
```

```
48 static void papiAttributeFree(papi_attribute_t *attribute);
```

```
50 static void
51 papiAttributeValueFree(papi_attribute_value_type_t type,
52 papi_attribute_value_t *value)
53 {
54     if (value != NULL) {
55         switch (type) {
56             case PAPI_STRING:
57                 if (value->string != NULL)
58                     free(value->string);
59                 break;
```

new/usr/src/lib/print/libpapi-common/common/attribute.c

2

```
60     case PAPI_COLLECTION:
61         if (value->collection != NULL) {
62             int i;
63
64             for (i = 0; value->collection[i] != NULL; i++)
65                 papiAttributeFree(value->collection[i]);
66
67             free(value->collection);
68         }
69         break;
70     default: /* don't need to free anything extra */
71         break;
72     }
73
74     free(value);
75 }
76 }
```

\_\_\_\_\_ unchanged portion omitted \_\_\_\_\_

```
204 static papi_attribute_t *
205 papiAttributeAlloc(const char *name, papi_attribute_value_type_t type)
206 papiAttributeAlloc(char *name, papi_attribute_value_type_t type)
```

```
206 {
207     papi_attribute_t *result = NULL;
208
209     if ((result = calloc(1, sizeof (*result))) != NULL) {
210         result->name = strdup(name);
211         result->type = type;
212     }
```

```
214     return (result);
```

```
215 }
_____ unchanged portion omitted _____
```

```
238 papi_status_t
239 papiAttributeListAddValue(papi_attribute_t ***list, int flgs,
240 const char *name, papi_attribute_value_type_t type,
241 char *name, papi_attribute_value_type_t type,
242 papi_attribute_value_t *value)
```

```
242 {
243     papi_status_t result;
244     int flags = flgs;
245     papi_attribute_t *attribute = NULL;
246     papi_attribute_value_t **values = NULL;
247
248     if ((list == NULL) || (name == NULL))
249         return (PAPI_BAD_ARGUMENT);
250
251     if ((type == PAPI_RANGE) && (value != NULL) &&
252         (value->range.lower > value->range.upper))
253         return (PAPI_BAD_ARGUMENT); /* RANGE must have min <= max */
254
255     if (flags == 0) /* if it wasn't set, set a default behaviour */
256         flags = PAPI_ATTR_APPEND;
```

```
258     /* look for an existing one */
259     attribute = papiAttributeListFind(*list, name);
```

```
261     if (((flags & PAPI_ATTR_EXCL) != 0) && (attribute != NULL))
262         return (PAPI_CONFLICT); /* EXISTS */
```

```
264     if (((flags & PAPI_ATTR_REPLACE) == 0) && (attribute != NULL) &&
265         (attribute->type != type))
266         return (PAPI_CONFLICT); /* TYPE CONFLICT */
```

```
268     /* if we don't have one, create it and add it to the list */
```

```

269     if ((attribute == NULL) &&
270         ((attribute = papiAttributeAlloc(name, type)) != NULL))
271         list_append(list, attribute);

273     /* if we don't have one by now, it's most likely an alloc fail */
274     if (attribute == NULL)
275         return (PAPI_TEMPORARY_ERROR);

277     /*
278     * if we are replacing, clear any existing values, but don't free
279     * until after we have replaced the values, in case we are replacing
280     * a collection with a relocated version of the original collection.
281     */
282     if (((flags & PAPI_ATTR_REPLACE) != 0) && (attribute->values != NULL)) {
283         values = attribute->values;
284         attribute->values = NULL;
285     }

287     attribute->type = type;

289     result = papiAttributeListAppendValue(&attribute->values, type, value);

291     /* free old values if we replaced them */
292     if (values != NULL)
293         papiAttributeValuesFree(type, values);

295     return (result);
296 }
    unchanged_portion_omitted

318 papi_status_t
319 papiAttributeListAddBoolean(papi_attribute_t ***list, int flags,
320                             const char *name, char boolean)
321                             char *name, char boolean)
322 {
323     papi_attribute_value_t v;

324     v.boolean = boolean;
325     return (papiAttributeListAddValue(list, flags, name, PAPI_BOOLEAN, &v));
326 }
    unchanged_portion_omitted

403 papi_attribute_t *
404 papiAttributeListFind(papi_attribute_t **list, const char *name)
405 papiAttributeListFind(papi_attribute_t **list, char *name)
406 {
407     int i;
408     if ((list == NULL) || (name == NULL))
409         return (NULL);

410     for (i = 0; list[i] != NULL; i++)
411         if (strcasecmp(list[i]->name, name) == 0)
412             return ((papi_attribute_t *)list[i]);

414     return (NULL);
415 }
    unchanged_portion_omitted

```





```

288 extern papi_status_t papiAttributeListGetString(papi_attribute_t **list,
289 void **iterator, char *name,
290 char **vptr);
291 extern papi_status_t papiAttributeListGetInteger(papi_attribute_t **list,
292 void **iterator, char *name, int *vptr);
293 extern papi_status_t papiAttributeListGetBoolean(papi_attribute_t **list,
294 void **iterator, char *name,
295 char *vptr);
296 extern papi_status_t papiAttributeListGetRange(papi_attribute_t **list,
297 void **iterator, char *name,
298 int *min, int *max);
299 extern papi_status_t papiAttributeListGetResolution(papi_attribute_t **list,
300 void **iterator, char *name,
301 int *x, int *y,
302 papi_resolution_unit_t *units);
303 extern papi_status_t papiAttributeListGetDatetime(papi_attribute_t **list,
304 void **iterator, char *name,
305 time_t *dt);
306 extern papi_status_t papiAttributeListGetCollection(papi_attribute_t **list,
307 void **iterator, char *name,
308 papi_attribute_t ***collection);
309 extern papi_status_t papiAttributeListGetMetadata(papi_attribute_t **list,
310 void **iterator, char *name,
311 papi_metadata_t *vptr);
312 extern papi_attribute_t *papiAttributeListFind(papi_attribute_t **list,
313 const char *name);
314 char *name);
315 extern papi_attribute_t *papiAttributeListGetNext(papi_attribute_t **list,
316 void **iterator);
317 extern void papiAttributeListFree(papi_attribute_t **attributes);

318 extern papi_status_t papiAttributeListFromString(papi_attribute_t ***attrs,
319 int flags, char *string);
320 extern papi_status_t papiAttributeListToString(papi_attribute_t **attrs,
321 char *delim,
322 char *buffer, size_t buflen);
323 extern void papiAttributeListPrint(FILE *fp, papi_attribute_t **list,
324 char *prefix_fmt, ...);

326 /* Printer related */
327 extern papi_status_t papiPrintersList(papi_service_t handle,
328 char **requested_attrs,
329 papi_filter_t *filter,
330 papi_printer_t **printers);
331 extern papi_status_t papiPrinterQuery(papi_service_t handle, char *name,
332 char **requested_attrs,
333 papi_attribute_t **job_attributes,
334 papi_printer_t *printer);
335 extern papi_status_t papiPrinterAdd(papi_service_t handle, char *name,
336 papi_attribute_t **attributes,
337 papi_printer_t *printer);
338 extern papi_status_t papiPrinterModify(papi_service_t handle, char *name,
339 papi_attribute_t **attributes,
340 papi_printer_t *printer);
341 extern papi_status_t papiPrinterRemove(papi_service_t handle, char *name);
342 extern papi_status_t papiPrinterDisable(papi_service_t handle, char *name,
343 char *message);
344 extern papi_status_t papiPrinterEnable(papi_service_t handle, char *name);
345 extern papi_status_t papiPrinterPause(papi_service_t handle, char *name,
346 char *message);
347 extern papi_status_t papiPrinterResume(papi_service_t handle, char *name);
348 extern papi_status_t papiPrinterPurgeJobs(papi_service_t handle,
349 char *name, papi_job_t **jobs);
350 extern papi_status_t papiPrinterListJobs(papi_service_t handle,
351 char *name, char **requested_attrs,
352 int type_mask, int max_num_jobs,

```

```

353 papi_job_t **jobs);
354 extern papi_attribute_t **papiPrinterGetAttributeList(papi_printer_t printer);
355 extern void papiPrinterFree(papi_printer_t printer);
356 extern void papiPrinterListFree(papi_printer_t *printers);

358 /* Job related */
359 extern papi_status_t papiJobSubmit(papi_service_t handle, char *printer,
360 papi_attribute_t **job_attributes,
361 papi_job_ticket_t *job_ticket,
362 char **files, papi_job_t *job);
363 extern papi_status_t papiJobSubmitByReference(papi_service_t handle,
364 char *printer,
365 papi_attribute_t **job_attributes,
366 papi_job_ticket_t *job_ticket,
367 char **files, papi_job_t *job);
368 extern papi_status_t papiJobValidate(papi_service_t handle, char *printer,
369 papi_attribute_t **job_attributes,
370 papi_job_ticket_t *job_ticket,
371 char **files, papi_job_t *job);
372 extern papi_status_t papiJobStreamOpen(papi_service_t handle,
373 char *printer,
374 papi_attribute_t **job_attributes,
375 papi_job_ticket_t *job_ticket,
376 papi_stream_t *stream);
377 extern papi_status_t papiJobStreamWrite(papi_service_t handle,
378 papi_stream_t stream,
379 void *buffer, size_t buflen);
380 extern papi_status_t papiJobStreamClose(papi_service_t handle,
381 papi_stream_t stream,
382 papi_job_t *job);
383 extern papi_status_t papiJobQuery(papi_service_t handle, char *printer,
384 int32_t job_id, char **requested_attrs,
385 papi_job_t *job);
386 extern papi_status_t papiJobModify(papi_service_t handle, char *printer,
387 int32_t job_id,
388 papi_attribute_t **attributes,
389 papi_job_t *job);
390 extern papi_status_t papiJobMove(papi_service_t handle, char *printer,
391 int32_t job_id, char *destination);
392 extern papi_status_t papiJobCancel(papi_service_t handle, char *printer,
393 int32_t job_id);
394 extern papi_status_t papiJobHold(papi_service_t handle, char *printer,
395 int32_t job_id);
396 extern papi_status_t papiJobRelease(papi_service_t handle, char *printer,
397 int32_t job_id);
398 extern papi_status_t papiJobRestart(papi_service_t handle, char *printer,
399 int32_t job_id);
400 extern papi_status_t papiJobPromote(papi_service_t handle, char *printer,
401 int32_t job_id);
402 extern papi_attribute_t **papiJobGetAttributeList(papi_job_t printer);
403 extern char *papiJobGetPrinterName(papi_job_t printer);
404 extern int32_t papiJobGetId(papi_job_t printer);
405 extern papi_job_ticket_t *papiJobGetJobTicket(papi_job_t printer);
406 extern void papiJobFree(papi_job_t job);
407 extern void papiJobListFree(papi_job_t *jobs);

409 #ifdef SOLARIS_PRIVATE_POST_0_9
410 /*
411 * These have been added to support IPP create-job/send-document with PAPI v0.9
412 * in an IPP listener using PAPI as it's spooler interface. A future version
413 * of the API is expected to support this type of functionality
414 */
415 extern papi_status_t papiJobCreate(papi_service_t handle, char *printer,
416 papi_attribute_t **job_attributes,
417 papi_job_ticket_t *job_ticket,
418 papi_job_t *job);

```

```
419 extern papi_status_t papiJobStreamAdd(papi_service_t handle, char *printer,
420                                       int32_t id, papi_stream_t *stream);
421 extern papi_status_t papiJobCommit(papi_service_t handle, char *printer,
422                                   int32_t id);
423 extern papi_status_t papiServiceSetPeer(papi_service_t handle, int peerfd);
424 #endif /* SOLARIS_PRIVATE_POST_0_9 */

426 extern char *papiStatusString(papi_status_t status);

428 /*
429  * Internal functions that aren't in the API, but are shared across
430  * protocol support implementations(psms) and the tightly bound
431  * listener library. Do not use these in your applications.
432  */
433 extern void list_append();
434 extern void list_concatenate();
435 extern void list_remove();
436 extern void copy_attributes(papi_attribute_t ***result,
437                             papi_attribute_t **list);
438 extern void split_and_copy_attributes(char **list,
439                                       papi_attribute_t **attributes,
440                                       papi_attribute_t ***in,
441                                       papi_attribute_t ***out);

443 extern papi_attribute_t **getprinterbyname(char *name, char *ns);

445 extern int is_localhost(char *hostname);

447 #ifdef __cplusplus
448 }
449 unchanged_portion_omitted
```

new/usr/src/lib/print/mod\_ipp/Makefile

1

\*\*\*\*\*

2673 Wed Aug 8 20:59:35 2012

new/usr/src/lib/print/mod\_ipp/Makefile

Bump Apache dependency to Apache 2

\*\*\*\*\*

```
1 #
2 # CDDL HEADER START
3 #
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14 # file and include the License file at usr/src/OPENSOLARIS.LICENSE.
15 # If applicable, add the following below this CDDL HEADER, with the
16 # fields enclosed by brackets "[]" replaced with your own identifying
17 # information: Portions Copyright [yyyy] [name of copyright owner]
18 #
19 # CDDL HEADER END
20 #
21 #
22 # Copyright 2012 Nexenta Systems, Inc. All rights reserved.
23 # Copyright 2010 Sun Microsystems, Inc. All rights reserved.
24 # Use is subject to license terms.
25 #
26 #
27 LIBRARY =      mod_ipp.a
28 VERS =
29 OBJECTS =      mod_ipp.o
30 #
31 include ../../Makefile.lib
32 include ../../Makefile.rootfs
33 #
34 APACHEMODDIR = $(ROOT)/usr/apache2/2.2/libexec
35 APACHECONFDIR = $(ROOT)/etc/apache2/2.2
36 APACHEMODDIR = $(ROOT)/usr/apache/libexec
37 APACHECONFDIR = $(ROOT)/etc/apache
38 LISTENERDIR = $(ROOT)/var/lp/ipp-listener
39 #
40 #
41 ROOTDIRS =     $(ROOT)/usr/apache2/2.2 $(APACHEMODDIR) $(APACHECONFDIR) \
42 ROOTDIRS =     $(ROOT)/usr/apache $(APACHEMODDIR) $(APACHECONFDIR) \
43 ROOTDIRS =     $(ROOT)/var/lp $(LISTENERDIR)
44 #
45 #
46 $(ROOT)/var/lp:=      DIRMODE = 775
47 $(ROOT)/var/lp:=      FILEMODE = 775
48 #
49 LIBS =          $(DYNLIB)
50 #
51 SRCS = $(OBJECTS:%.o = %.c)
52 #
53 APR_INC.cmd =    apr-1-config --includes
54 APU_INC.cmd =    apu-1-config --includes
55 CFLAGS +=        $(CCVERBOSE) -erroff=E_IMPLICIT_DECL_FUNC_RETURN_INT
56 #
57 CFLAGS +=        $(CCVERBOSE)
58 CPPFLAGS +=      -I../libipp-listener/common
59 CPPFLAGS +=      -I../libipp-core/common
60 CPPFLAGS +=      -I/usr/apache2/2.2/include
61 CPPFLAGS +=      $(APR_INC.cmd:sh)
62 CPPFLAGS +=      $(APU_INC.cmd:sh)
63 CPPFLAGS +=      -I/usr/apache/include
```

new/usr/src/lib/print/mod\_ipp/Makefile

2

```
56 CPPFLAGS +=      -DEAPI
57 ZDEFS =           $(ZNODEFS)
58 #
59 MAPFILES =        mapfile
60 #
61 LDLIBS +=         -lipp-listener -lipp-core -lpapi -lc
62 #
63 SMF manifest
64 MANIFEST=         ipp-listener.xml
65 ROOTMANIFESTDIR= $(ROOT)/lib/svc/manifest/application/print
66 ROOTMANIFEST=     $(MANIFEST:%=$(ROOTMANIFESTDIR)/%)
67 $(ROOTMANIFEST)  := FILEMODE= 444
68 #
69 Apache module
70 $(APACHEMODDIR)/$(LIBLINKS): $(ROOTDIRS)
71 #
72 Apache config
73 APACHECONFFILE=   $(APACHECONFDIR)/httpd-standalone-ipp.conf
74 $(APACHECONFFILE) := FILEMODE= 644
75 LISTENERFILE=    $(LISTENERDIR)/index.html
76 $(LISTENERFILE) := FILEMODE= 444
77 #
78 $(ROOT)/var/lp:=      FILEMODE = 0775
79 #
80 $(APACHEMODDIR)/$(LIBLINKS):= FILEMODE = 0555
81 #
82 $(ROOTMANIFESTDIR)/% $(APACHEMODDIR)/% $(APACHECONFDIR)/% $(LISTENERDIR)/%:
83 $(INS.file)
84 #
85 $(ROOTDIRS):
86 $(INS.dir)
87 #
88 .KEEP_STATE:
89 #
90 all: $(LIBS)
91 #
92 install:          all $(APACHEMODDIR)/$(LIBLINKS) $(APACHECONFFILE) \
93 $(LISTENERFILE) $(ROOTMANIFEST)
94 #
95 install_h:
96 #
97 lint:
98 #
99 include ../../Makefile.targ
```

new/usr/src/lib/print/mod\_ipp/mod\_ipp.c

1

```
*****
14473 Wed Aug  8 20:59:36 2012
new/usr/src/lib/print/mod_ipp/mod_ipp.c
Bump Apache dependency to Apache 2
*****
1 /*
2  * CDDL HEADER START
3  *
4  * The contents of this file are subject to the terms of the
5  * Common Development and Distribution License (the "License").
6  * You may not use this file except in compliance with the License.
7  *
8  * You can obtain a copy of the license at usr/src/OPENSOLARIS.LICENSE
9  * or http://www.opensolaris.org/os/licensing.
10 * See the License for the specific language governing permissions
11 * and limitations under the License.
12 *
13 * When distributing Covered Code, include this CDDL HEADER in each
14 * file and include the License file at usr/src/OPENSOLARIS.LICENSE.
15 * If applicable, add the following below this CDDL HEADER, with the
16 * fields enclosed by brackets "[]" replaced with your own identifying
17 * information: Portions Copyright [yyyy] [name of copyright owner]
18 *
19 * CDDL HEADER END
20 */
21
22 /*
23  * Copyright 2012 Nexenta Systems, Inc. All rights reserved.
24  * Copyright 2006 Sun Microsystems, Inc. All rights reserved.
25  * Use is subject to license terms.
26  *
27  */
28
29 /* $Id: mod_ipp.c 149 2006-04-25 16:55:01Z njacobs $ */
30 #pragma ident "%Z%M% %I% %E% SMI"
31 /*
32  * Internet Printing Protocol (IPP) module for Apache.
33  */
34
35 #include "ap_config.h"
36
37 #include <stdio.h>
38 #include <time.h>
39 #include <sys/time.h>
40 #include <values.h>
41 #include <libintl.h>
42 #include <alloca.h>
43
44 #include "httpd.h"
45 #include "http_config.h"
46 #include "http_core.h"
47 #include "http_protocol.h"
48 #include "http_log.h"
49 #include "http_main.h"
50 #include "papi.h"
51 #ifndef APACHE_RELEASE /* appears to only exist in Apache 1.X */
52 #define APACHE2
53 #define ap_table_get apr_table_get
54 #include "apr_compat.h"
55 #endif
56 #include <papi.h>
57 #include <ipp-listener.h>
```

new/usr/src/lib/print/mod\_ipp/mod\_ipp.c

2

```
59 #ifndef APACHE2
60 module MODULE_VAR_EXPORT ipp_module;
61 #else
62 module AP_MODULE_DECLARE_DATA ipp_module;
63 #endif
64
65 #ifndef AP_INIT_TAKE1 /* Apache 2.X has this, but 1.3.X does not */
66 #define AP_INIT_NO_ARGS(directive, action, arg, where, msg) \
67     { directive, action, arg, where, NO_ARGS, msg }
68 #define AP_INIT_TAKE1(directive, action, arg, where, msg) \
69     { directive, action, arg, where, TAKE1, msg }
70 #define AP_INIT_TAKE2(directive, action, arg, where, msg) \
71     { directive, action, arg, where, TAKE2, msg }
72 #endif
73
74 typedef struct {
75     int conformance;
76     char *default_user;
77     char *default_svc;
78     papi_attribute_t **operations;
79 } IPPLlistenerConfig;
80
81 _____ unchanged portion omitted _____
82
83 void _log_rerror(const char *file, int line, int level, request_rec *r,
84                 const char *fmt, ...)
85 {
86     va_list args;
87     size_t size;
88     char *message = alloca(BUFSIZ);
89
90     va_start(args, fmt);
91     /*
92      * fill in the message. If the buffer is too small, allocate
93      * one that is large enough and fill it in.
94      */
95     if ((size = vsnprintf(message, BUFSIZ, fmt, args)) >= BUFSIZ)
96         if ((message = alloca(size)) != NULL)
97             vsnprintf(message, size, fmt, args);
98     va_end(args);
99 }
100
101 #ifdef APACHE2
102 #define ap_log_rerror(file, line, level, APR_SUCCESS, r, message);
103 ap_log_rerror(file, line, level, NULL, r, message);
104 #else
105 ap_log_rerror(file, line, level, r, message);
106 #endif
107
108 static int
109 ipp_handler(request_rec *r)
110 {
111     papi_attribute_t **request = NULL, **response = NULL;
112     IPPLlistenerConfig *config;
113     papi_status_t status;
114     int ret;
115
116     /* Really, IPP is all POST requests */
117     if (r->method_number != M_POST)
118         return (DECLINED);
119
120 #ifndef APACHE2
121 /*
122  * An IPP request must have a MIME type of "application/ipp"
123  * (RFC-2910, Section 4, page 19). If it doesn't match this
124  * MIME type, we should decline the request and let someone else
125  * try and handle it.
126  */
127 #endif
```

```

220     */
221     if (r->headers_in != NULL) {
222         char *mime_type = (char *)ap_table_get(r->headers_in,
223             "Content-Type");
224
225         if ((mime_type == NULL) ||
226             (strcasecmp(mime_type, "application/ipp") != 0))
227             return (DECLINED);
228     }
229 #endif
230     /* CHUNKED_DECHUNK might not work right for IPP? */
231     if ((ret = ap_setup_client_block(r, REQUEST_CHUNKED_DECHUNK)) != OK)
232         return (ret);
233
234     if (!ap_should_client_block(r))
235         return (HTTP_INTERNAL_SERVER_ERROR);
236
237 #ifndef APACHE2
238     ap_soft_timeout("ipp_module: read/reply request ", r);
239 #endif
240     /* read the IPP request off the network */
241     status = ipp_read_message(read_data, r, &request, IPP_TYPE_REQUEST);
242
243     if (status != PAPI_OK)
244         _log_rerror(APLOG_MARK, APLOG_ERR, r,
245             "read failed: %s\n", papiStatusString(status));
246 #ifdef DEBUG
247     papiAttributeListPrint(stderr, request, "request (%d) ", getpid());
248 #endif
249
250     (void) papiAttributeListAddString(&request, PAPI_ATTR_EXCL,
251         "originating-host", (char *)
252 #ifdef APACHE2
253         ap_get_remote_host
254         (r->connection, r->per_dir_config, REMOTE_NAME, NULL));
255 #else
256         ap_get_remote_host
257         (r->connection, r->per_dir_config, REMOTE_NAME));
258 #endif
259
260     (void) papiAttributeListAddInteger(&request, PAPI_ATTR_EXCL,
261         "uri-port", ap_get_server_port(r));
262     if (r->headers_in != NULL) {
263         char *host = (char *)ap_table_get(r->headers_in, "Host");
264
265         if ((host == NULL) || (host[0] == '\0'))
266             host = (char *)ap_get_server_name(r);
267
268         (void) papiAttributeListAddString(&request, PAPI_ATTR_EXCL,
269             "uri-host", host);
270     }
271     (void) papiAttributeListAddString(&request, PAPI_ATTR_EXCL,
272         "uri-path", r->uri);
273
274     config = ap_get_module_config(r->per_dir_config, &ipp_module);
275     if (config != NULL) {
276         (void) papiAttributeListAddInteger(&request, PAPI_ATTR_EXCL,
277             "conformance", config->conformance);
278         (void) papiAttributeListAddCollection(&request, PAPI_ATTR_EXCL,
279             "operations", config->operations);
280         if (config->default_user != NULL)
281             (void) papiAttributeListAddString(&request,
282                 PAPI_ATTR_EXCL, "default-user",
283                 config->default_user);
284         if (config->default_svc != NULL)
285             (void) papiAttributeListAddString(&request,

```

```

286         PAPI_ATTR_EXCL, "default-service",
287         config->default_svc);
288     }
289 #ifndef APACHE2
290     /*
291     * For Trusted Solaris, pass the fd number of the socket connection
292     * to the backend so the it can be forwarded to the backend print
293     * service to retrieve the sensitivity label off of a multi-level
294     * port.
295     */
296     (void) papiAttributeListAddInteger(&request, PAPI_ATTR_EXCL,
297         "peer-socket", ap_bfileno(r->connection->client, B_RD));
298 #endif
299
300     /* process the request */
301     status = ipp_process_request(request, &response, read_data, r);
302     if (status != PAPI_OK) {
303         errno = 0;
304         _log_rerror(APLOG_MARK, APLOG_ERR, r,
305             "request failed: %s\n", papiStatusString(status));
306         discard_data(r);
307     }
308 #ifdef DEBUG
309     fprintf(stderr, "processing result: %s\n", papiStatusString(status));
310     papiAttributeListPrint(stderr, response, "response (%d) ", getpid());
311 #endif
312
313     /*
314     * If the client is using chunking and we have not yet received the
315     * final "0" sized chunk, we need to discard any data that may
316     * remain in the post request.
317     */
318     if ((r->read_chunked != 0) &&
319         (ap_table_get(r->headers_in, "Content-Length") == NULL))
320         discard_data(r);
321
322     /* write an IPP response back to the network */
323     r->content_type = "application/ipp";
324
325 #ifndef APACHE2
326     ap_send_http_header(r);
327 #endif
328
329     status = ipp_write_message(write_data, r, response);
330     if (status != PAPI_OK)
331         _log_rerror(APLOG_MARK, APLOG_ERR, r,
332             "write failed: %s\n", papiStatusString(status));
333 #ifdef DEBUG
334     fprintf(stderr, "write result: %s\n", papiStatusString(status));
335     fflush(stderr);
336 #endif
337
338     papiAttributeListFree(request);
339     papiAttributeListFree(response);
340
341 #ifndef APACHE2
342     ap_kill_timeout(r);
343     if (ap_rflush(r) < 0)
344         _log_rerror(APLOG_MARK, APLOG_ERR, r,
345             "flush failed, response may not have been sent");
346 #endif
347
348     return (OK);
349 }
350
351 unchanged portion omitted

```

```
401 /*ARGSUSED0*/
402 static const char *
403 ipp_operation(cmd_parms *cmd, void *cfg, const char *op, const char *toggle)
404 ipp_operation(cmd_parms *cmd, void *cfg, char *op, char *toggle)
405 {
406     IPPListenerConfig *config = (IPPListenerConfig *)cfg;
407     papi_status_t status;
408
409     status = ipp_configure_operation(&config->operations, op, toggle);
410     switch (status) {
411     case PAPI_OK:
412         return (NULL);
413     case PAPI_BAD_ARGUMENT:
414         return (gettext("internal error (invalid argument)"));
415     default:
416         return (papiStatusString(status));
417     }
418
419     /* NOTREACHED */
420     /* return (gettext("contact your software vendor")); */
421 }
422
423 _____
424 unchanged portion omitted
```

```

*****
23807 Wed Aug  8 20:59:37 2012
new/usr/src/man/man1m/logadm.1m
Bump Apache dependency to Apache 2
*****
1 \" te
2.\" Copyright (c) 2007 Sun Microsystems, Inc. All Rights Reserved.
3.\" The contents of this file are subject to the terms of the Common Development
4.\" You can obtain a copy of the license at usr/src/OPENSOLARIS.LICENSE or http:
5.\" When distributing Covered Code, include this CDDL HEADER in each file and in
6.TH LOGADM 1M \"May 23, 2007\"
7.SH NAME
8 logadm \- manage endlessly growing log files
9 .SH SYNOPSIS
10 .LP
11 .nf
12 \fBlogadm\fR
13 .fi

15 .LP
16 .nf
17 \fBlogadm\fR [\fB-\fR\fR] \fIlogfile\fR...
18 .fi

20 .SH DESCRIPTION
21 .sp
22 .LP
23 \fBlogadm\fR is a general log rotation tool that is suitable for running from
24 \fBcron\fR(1M).
25 .sp
26 .LP
27 Without arguments, \fBlogadm\fR reads the \fB/etc/logadm.conf\fR file, and for
28 every entry found in that file checks the corresponding log file to see if it
29 should be rotated. Typically this check is done each morning by an entry in the
30 root's \fBcrontab\fR.
31 .sp
32 .LP
33 If the \fIlogfile\fR argument is specified, \fBlogadm\fR renames the
34 corresponding log file by adding a suffix so that the most recent log file ends
35 with \fB&.0\fR (that is, \fIlogfile\fR\fB&.0\fR), the next most recent ends
36 with \fB&.1\fR (that is, \fIlogfile\fR\fB&.1\fR), and so forth. By default,
37 ten versions of old log files are kept (that is, \fIlogfile\fR\fB&.0\fR
38 through \fIlogfile\fR\fB&.9\fR). At the point when what would be the eleventh
39 file is logged, \fBlogadm\fR automatically deletes the oldest version to keep
40 the count of files at ten.
41 .sp
42 .LP
43 \fBlogadm\fR takes a number of \fRoptions\fR. You can specify these options on
44 the command line or in the \fB/etc/logadm.conf\fR file. The \fBlogadm\fR
45 command searches \fB/etc/logadm.conf\fR for lines of the form \fRlogfile\fR
46 \fRoptions\fR
47 .sp
48 .ne 2
49 .na
50 \fBlogfile\fR
51 .ad
52 .sp .6
53 .RS 4n
54 Identifies an entry in \fB/etc/logadm.conf\fR. This can be a name or the
55 pathname of the log file. If you specify a log file, rather than a name, for
56 this field, it must be a fully qualified pathname.
57 .RE

59 .sp
60 .ne 2
61 .na

```

```

62 \fRoptions\fR
63 .ad
64 .sp .6
65 .RS 4n
66 Identifies command line options exactly as they would be entered on the command
67 line. This allows commonly used log rotation policies to be stored in the
68 \fB/etc/logadm.conf\fR file. See \fBEXAMPLES\fR.
69 .sp
70 If \fRoptions\fR are specified both in \fB/etc/logadm.conf\fR and on the
71 command line, those in the \fB/etc/logadm.conf\fR file are applied first.
72 Therefore, the command line options override those in \fB/etc/logadm.conf\fR.
73 .sp
74 Log file names specified in \fB/etc/logadm.conf\fR may contain filename
75 substitution characters such as \fB*\fR and \fB?\fR, that are supported by
76 \fBcsh\fR(1).
77 .RE

79 .sp
80 .LP
81 Two options control when a log file is rotated. They are: \fB-s\fR size
82 \fB-p\fR period.
83 .sp
84 .LP
85 When using more than one of these options at a time, there is an implied
86 \fB&\fR between them. This means that all conditions must be met before the
87 log is rotated.
88 .sp
89 .LP
90 If neither of these two options are specified, the default conditions for
91 rotating a log file are: \fB\fR\fB-s\fR \fB1b\fR \fB-p\fR \fB1w\fR, which means
92 the log file is only rotated if the size is non-zero and if at least 1 week has
93 passed since the last time it was rotated.
94 .sp
95 .LP
96 By specifying \fB\fR\fB-p\fR \fBnever\fR as a rotation condition, any other
97 rotation conditions are ignored and \fBlogadm\fR moves on to the expiration of
98 old log files. By specifying \fB\fR\fB-p\fR \fBnow\fR as a rotation condition,
99 a log rotation is forced.
100 .sp
101 .LP
102 Unless specified by the \fB-o\fR, \fB-g\fR, or \fB-m\fR options, \fBlogadm\fR
103 replaces the log file (after renaming it) by creating an empty file whose
104 owner, group ID, and permissions match the original file.
105 .sp
106 .LP
107 Three options control when old log files are expired: \fB-A\fR age \fB-C\fR
108 count \fB-S\fR size. These options expire the oldest log files until a
109 particular condition or conditions are met. For example, the combination
110 \fB\fR\fB-C\fR \fB5\fR and the \fB\fR\fB-S\fR \fB10m\fR options expires old log
111 files until there are no more than 5 of the \fB&\fR their combined disk usage
112 is no more than 10 megabytes. If none of these options are specified, the
113 default expiration is \fB\fR\fB-C\fR \fB10\fR which keeps ten old log files. If
114 no files are to be expired, use \fB\fR\fB-C\fR \fB0\fR to prevent expiration by
115 default.
116 .SH OPTIONS
117 .sp
118 .LP
119 The following options are supported:
120 .sp
121 .ne 2
122 .na
123 \fB\fB-a\fR \fRpost_command\fR
124 .ad
125 .sp .6
126 .RS 4n
127 Execute the \fRpost_command\fR after renaming the log file. \fRpost_command\fR

```

```

128 is passed to \fBsh\fR \fB-c\fR.
129 .sp
130 Specify \fIpost_command\fR as a valid shell command. Use quotes to protect
131 spaces or shell metacharacters in \fIpost_command\fR.
132 .sp
133 This option can be used to restart a daemon that is writing to the file. When
134 rotating multiple logs with one \fBlogadm\fR command, \fIpost_command\fR is
135 executed only once after all the logs are rotated, not once per rotated log.
136 .RE

138 .sp
139 .ne 2
140 .na
141 \fB\fB-A\fR \fIage\fR\fR
142 .ad
143 .sp .6
144 .RS 4n
145 Delete any versions that have not been modified for the amount of time
146 specified by \fIage\fR.
147 .sp
148 Specify \fIage\fR as a number followed by an \fBh\fR (hours), \fBd\fR (days),
149 \fBw\fR (weeks), \fBm\fR (months), or \fBy\fR (years).
150 .RE

152 .sp
153 .ne 2
154 .na
155 \fB\fB-b\fR \fIpre_command\fR\fR
156 .ad
157 .sp .6
158 .RS 4n
159 Execute \fIpre_command\fR before renaming the log file. \fIpre_command\fR is
160 passed to \fBsh\fR \fB-c\fR.
161 .sp
162 Specify \fIpre_command\fR as a valid shell command. Use quotes to protect
163 spaces or shell metacharacters in the \fIpre_command\fR.
164 .sp
165 This option can be used to stop a daemon that is writing to the file. When
166 rotating multiple logs with one \fBlogadm\fR command, \fIpre_command\fR is
167 executed only once before all the logs are rotated, not once per rotated log.
168 .RE

170 .sp
171 .ne 2
172 .na
173 \fB\fB-c\fR\fR
174 .ad
175 .sp .6
176 .RS 4n
177 Rotate the log file by copying it and truncating the original logfile to zero
178 length, rather than renaming the file.
179 .RE

181 .sp
182 .ne 2
183 .na
184 \fB\fB-C\fR \fIcount\fR\fR
185 .ad
186 .sp .6
187 .RS 4n
188 Delete the oldest versions until there are not more than \fIcount\fR files
189 left.
190 .sp
191 If no expire options (\fB-A\fR, \fB-C\fR, or \fB-S\fR) are specified,
192 \fB\fR\fB-C\fR \fB10\fR is the default. To prevent the default expire rule from
193 being added automatically, specify \fB\fR\fB-C\fR \fB0\fR .

```

```

194 .RE

196 .sp
197 .ne 2
198 .na
199 \fB\fB-e\fR \fIemail_addr\fR\fR
200 .ad
201 .sp .6
202 .RS 4n
203 Send error messages by email to \fIemail_addr\fR.
204 .sp
205 As \fBlogadm\fR is typically run from \fBcron\fR(1M), error messages are
206 captured by \fBcron\fR and mailed to the owner of the \fBcrontab\fR.
207 .sp
208 This option is useful if you want the mail regarding error messages to go to
209 another address instead. If no errors are encountered, no mail message is
210 generated.
211 .RE

213 .sp
214 .ne 2
215 .na
216 \fB\fB-E\fR \fIcmd\fR\fR
217 .ad
218 .sp .6
219 .RS 4n
220 Execute \fIcmd\fR to expire the file, rather than deleting the old log file to
221 expire it.
222 .sp
223 \fIcmd\fR is passed it to \fBsh\fR \fB-c\fR. The file is considered expired
224 after \fIcmd\fR completes. If the old log file is not removed or renamed by the
225 \fIcmd\fR, \fBlogadm\fR considers it for expiration the next time that it runs
226 on the specified log file. If present, the keyword \fB$file\fR is expanded in
227 the specified \fIcmd\fR to the name of the file being expired.
228 .sp
229 This option is useful for tasks such as mailing old log files to
230 administrators, or copying old log files to long term storage.
231 .RE

233 .sp
234 .ne 2
235 .na
236 \fB\fB-f\fR \fIconf_file\fR\fR
237 .ad
238 .sp .6
239 .RS 4n
240 Use \fIconf_file\fR instead of \fB/etc/logadm.conf\fR.
241 .sp
242 This option allows non-root users to keep their own \fBlogadm\fR configuration
243 files.
244 .RE

246 .sp
247 .ne 2
248 .na
249 \fB\fB-g\fR \fIgroup\fR\fR
250 .ad
251 .sp .6
252 .RS 4n
253 Create a new empty file with the \fBID\fR specified by \fIgroup\fR, instead of
254 preserving the group \fBID\fR of the log file.
255 .sp
256 Specify \fIgroup\fR by name or by numeric group \fBID\fR, as accepted by
257 \fBchgrp\fR(1).
258 .sp
259 This option requires the ability to change file group ownership using the

```



```

260 \fBchgrp\fR(1) command.
261 .RE

263 .sp
264 .ne 2
265 .na
266 \fB\fB-h\fR\fR
267 .ad
268 .sp .6
269 .RS 4n
270 Print a help message that describes \fBblogadm\fR's options.
271 .RE

273 .sp
274 .ne 2
275 .na
276 \fB\fB-l\fR\fR
277 .ad
278 .sp .6
279 .RS 4n
280 Use local time rather than the Coordinated Universal Time (UTC) when naming
281 rotated log files (see the discussion of percent sequences in the templates
282 supplied with the \fB-t\fR option).
283 .RE

285 .sp
286 .ne 2
287 .na
288 \fB\fB-m\fR \fImode\fR
289 .ad
290 .sp .6
291 .RS 4n
292 Create a new empty file with the mode specified by \fImode\fR, instead of
293 preserving the mode of the log file.
294 .sp
295 Specify \fImode\fR in any form that is accepted by the \fBchmod\fR(1) command.
296 .RE

298 .sp
299 .ne 2
300 .na
301 \fB\fB-M\fR \fIcmd\fR
302 .ad
303 .sp .6
304 .RS 4n
305 Use \fIcmd\fR to rename the log file. If the keyword \fB$file\fR is specified,
306 it is expanded to the name of the log file. Similarly, the keyword \fB$file\fR
307 is expanded to the new name of the log file. The \fB$file\fR keyword is only
308 available with commands provided with the \fB-M\fR option. After the command
309 completes, the log file is replaced by the rotate file. The default \fIcmd\fR
310 is "\fB/bin/mv\fR \fB$file\fR \fB$file\fR".
311 .RE

313 .sp
314 .ne 2
315 .na
316 \fB\fB-n\fR \fI\fR
317 .ad
318 .sp .6
319 .RS 4n
320 Print the actions that the \fBblogadm\fR command will perform without actually
321 performing them.
322 .sp
323 This option is useful for checking arguments before making any changes to the
324 system.
325 .sp

```

```

326 It is important to remember, however, that since log rotating actions are only
327 printed with this option, \fBblogadm\fR might not find files that need expiring,
328 but if run without the \fB-n\fR \fBblogadm\fR might create a file that needs
329 expiring by performing the log rotating actions. Therefore, if you see no files
330 being expired with the \fB-n\fR option, files still might be expired without
331 it.
332 .RE

334 .sp
335 .ne 2
336 .na
337 \fB\fB-N\fR\fR
338 .ad
339 .sp .6
340 .RS 4n
341 Prevent an error message if the specified logfile does not exist. Normally,
342 \fBblogadm\fR produces an error message if the log file is not found. With
343 \fB-N\fR, if the log file doesn't exist \fBblogadm\fR moves on to the expire
344 rules (if any) and then to the next log file (if any), without creating the
345 empty replacement log file.
346 .RE

348 .sp
349 .ne 2
350 .na
351 \fB\fB-o\fR \fIowner\fR
352 .ad
353 .sp .6
354 .RS 4n
355 Create the new empty file with \fIowner\fR, instead of preserving the owner of
356 the log file.
357 .sp
358 Specify \fIowner\fR in any form that is accepted by the \fBchown\fR(1) command.
359 .RE

361 .sp
362 .ne 2
363 .na
364 \fB\fB-p\fR \fIperiod\fR
365 .ad
366 .sp .6
367 .RS 4n
368 Rotate a log file after the specified time period (\fIperiod\fR).
369 .sp
370 Specify \fIperiod\fR as a number followed by \fBd\fR for days, \fBh\fR for
371 hours, \fBw\fR for weeks, \fBm\fR for months (30 days) or \fBy\fR for years.
372 There are also two special values for period: \fBnow\fR and \fBnever\fR.
373 "\fB\fB-p\fR \fBnow\fR" forces log rotation. "\fB\fB-p\fR \fBnever\fR"
374 forces no log rotation.
375 .RE

377 .sp
378 .ne 2
379 .na
380 \fB\fB-P\fR \fItimestamp\fR
381 .ad
382 .sp .6
383 .RS 4n
384 Used by \fBblogadm\fR to record the last time the log was rotated in
385 \fB/etc/logadm.conf\fR.
386 .sp
387 This option uses \fItimestamp\fR to determine if the log rotation period has
388 passed. The format of \fItimestamp\fR matches the format generated by
389 \fBctime\fR(3C), with quotes around it to protect embedded spaces.
390 \fItimestamp\fR is always recorded in the Coordinated Universal Time (UTC)
391 timezone.

```

```

392 .RE
394 .sp
395 .ne 2
396 .na
397 \fB\fB-r\fR\fR
398 .ad
399 .sp .6
400 .RS 4n
401 Remove any entries corresponding to the specified \fIlogname\fR from the
402 \fB/etc/logadm.conf\fR.
403 .RE
405 .sp
406 .ne 2
407 .na
408 \fB\fB-R\fR \fIcmd\fR
409 .ad
410 .sp .6
411 .RS 4n
412 Run the \fIcmd\fR when an old log file is created by a log rotation. If the
413 keyword \fB$file\fR is embedded in the specified command, it is expanded to the
414 name of the old log file just created by log rotation.
415 .sp
416 This option is useful for processing log file contents after rotating the log.
417 \fIcmd\fR is executed by passing it to \fBsh\fR \fB-c\fR. When rotating
418 multiple logs with one logadm command, the command supplied with \fB-R\fR is
419 executed once every time a log is rotated. This is useful for post-processing a
420 log file (that is, sorting it, removing uninteresting lines, etc.). The
421 \fB-a\fR option is a better choice for restarting daemons after log rotation.
422 .RE
424 .sp
425 .ne 2
426 .na
427 \fB\fB-s\fR \fIsize\fR
428 .ad
429 .sp .6
430 .RS 4n
431 Rotate the log file only if its size is greater than or equal to \fIsize\fR.
432 .sp
433 Specify \fIsize\fR as a number followed by the letter \fBb\fR for bytes,
434 \fBk\fR for kilobytes, \fBm\fR for megabytes, or \fBg\fR for gigabytes.
435 .RE
437 .sp
438 .ne 2
439 .na
440 \fB\fB-S\fR \fIsize\fR
441 .ad
442 .sp .6
443 .RS 4n
444 Delete the oldest versions until the total disk space used by the old log files
445 is less than the specified size.
446 .sp
447 Specify \fIsize\fR as a number followed by the letter \fBb\fR for bytes,
448 \fBk\fR for kilobytes, \fBm\fR for megabytes, or \fBg\fR for gigabytes.
449 .RE
451 .sp
452 .ne 2
453 .na
454 \fB\fB-t\fR \fItemplate\fR
455 .ad
456 .sp .6
457 .RS 4n

```

```

458 Specify the template to use when renaming log files.
459 .sp
460 \fItemplate\fR can be a simple name, such as \fB/var/adm/oldfile\fR, or it can
461 contain special keywords which are expanded by \fBlogadm\fR and are in the form
462 \fB$\fR\fIword\fR. Allowed sequences are:
463 .sp
464 .ne 2
465 .na
466 \fB$\fIbasename\fR
467 .ad
468 .sp .6
469 .RS 4n
470 The log file name, without the directory name
471 .RE
473 .sp
474 .ne 2
475 .na
476 \fB$\fIdirname\fR
477 .ad
478 .sp .6
479 .RS 4n
480 The directory of the file to be rotated
481 .RE
483 .sp
484 .ne 2
485 .na
486 \fB$\fIdomain\fR
487 .ad
488 .sp .6
489 .RS 4n
490 Expands to the output of \fBdomainname\fR
491 .RE
493 .sp
494 .ne 2
495 .na
496 \fB$\fIfile\fR
497 .ad
498 .sp .6
499 .RS 4n
500 The full path name of the file to be rotated
501 .RE
503 .sp
504 .ne 2
505 .na
506 \fB$\fIisa\fR
507 .ad
508 .sp .6
509 .RS 4n
510 Expands to the output of \fBuname\fR \fB-p\fR
511 .RE
513 .sp
514 .ne 2
515 .na
516 \fB$\fImachine\fR
517 .ad
518 .sp .6
519 .RS 4n
520 Expands to the output of \fBuname\fR \fB-m\fR
521 .RE
523 .sp

```

```

524 .ne 2
525 .na
526 \fB$\fIn\fR\fR
527 .ad
528 .sp .6
529 .RS 4n
530 The version number, \fB0\fR is most recent, \fB1\fR is next most recent, and so
531 forth
532 .RE

534 .sp
535 .ne 2
536 .na
537 \fB$\fIN\fR\fR
538 .ad
539 .sp .6
540 .RS 4n
541 The same as $\fIn\fR, but starts at \fB1\fR instead of zero
542 .RE

544 .sp
545 .ne 2
546 .na
547 \fB$\fInodename\fR\fR
548 .ad
549 .sp .6
550 .RS 4n
551 Expands to the output of \fBuname\fR \fB-n\fR
552 .RE

554 .sp
555 .ne 2
556 .na
557 \fB$\fIplatform\fR\fR
558 .ad
559 .sp .6
560 .RS 4n
561 Expands to the output of \fBuname\fR \fB-i\fR
562 .RE

564 .sp
565 .ne 2
566 .na
567 \fB$\fIrelease\fR\fR
568 .ad
569 .sp .6
570 .RS 4n
571 Expands to the output of \fBuname\fR \fB-r\fR
572 .RE

574 .sp
575 .ne 2
576 .na
577 \fB$\fIsecs\fR\fR
578 .ad
579 .sp .6
580 .RS 4n
581 The number of seconds since \fB00:00:00 UTC, January 1,1970\fR
582 .RE

584 .sp
585 .ne 2
586 .na
587 \fB$\fIzonename\fR\fR
588 .ad
589 .sp .6

```

```

590 .RS 4n
591 Expands to the output of \fBzonename\fR(1).
592 .RE

594 To actually have the dollar sign character in the file name, use \fB$$\fR. Any
595 percent sequences allowed by \fBstrftime\fR(3C) are also allowed, for example,
596 \fB%d\fR expands to the day of the month. To actually have a percent sign
597 character in the file name, use \fB%\fR. Both dollar-sign keywords and percent
598 sequences can appear anywhere in the template. If the template results in a
599 pathname with non-existent directories, they are created as necessary when
600 rotating the log file.
601 .sp
602 If no \fB-t\fR option is specified, the default template is \fB$file.$n\fR.
603 Actual \fBrotation\fR of log files, where each version is shifted up until it
604 expires is done using the \fB$n\fR keyword. If the template does not contain
605 the \fB$n\fR keyword, the log file is simply renamed to the new name and then
606 the expire rules, if any, are applied.
607 .RE

609 .sp
610 .ne 2
611 .na
612 \fB\fB-T\fR \fIpattern\fR\fR
613 .ad
614 .sp .6
615 .RS 4n
616 Normally \fBblogadm\fR looks for a list of old log files by turning the template
617 (specified with the \fB-t\fR option) into a pattern and finding existing files
618 whose names match that pattern. The \fB-T\fR option causes the given pattern to
619 be used instead.
620 .sp
621 This option is useful if another program fiddles with the old log file names,
622 like a \fBcron\fR job to compress them over time. The pattern is in the form of
623 a pathname with special characters such as \fB*\fR and \fB?\fR as supported by
624 \fBcsh\fR(1) filename substitution.
625 .RE

627 .sp
628 .ne 2
629 .na
630 \fB\fB-v\fR\fR
631 .ad
632 .sp .6
633 .RS 4n
634 Print information about the actions being executed in verbose mode.
635 .RE

637 .sp
638 .ne 2
639 .na
640 \fB\fB-V\fR\fR
641 .ad
642 .sp .6
643 .RS 4n
644 Validate the configuration file.
645 .sp
646 This option validates that an entry for the specified \fBillogname\fR exists in
647 the \fB/etc/logadm.conf\fR file and is syntactically correct. If \fBillogname\fR
648 is not specified, all entries in the configuration file are validated. If a
649 \fBillogname\fR argument is specified, the command validates the syntax of that
650 entry. If the entry is found, it is printed and the exit value of the command
651 is true. Otherwise the exit value is false.
652 .RE

654 .sp
655 .ne 2

```

```

656 .na
657 \fB\fB-w\fR \fIentryname\fR\fR
658 .ad
659 .sp .6
660 .RS 4n
661 Write an entry into the config file (that is, \fB/etc/logadm.conf\fR) that
662 corresponds to the current command line arguments. If an entry already existed
663 for the specified \fIentryname\fR, it is removed first. This is the preferred
664 method for updating \fB/etc/logadm.conf\fR, because it prevents syntax errors.
665 The \fIentryname\fR is an argument to an invocation of \fBblogadm\fR.
666 \fIentryname\fR might be chosen as something easy to remember or it can be the
667 pathname of the log file. If a pathname, rather than a name is used, it must be
668 a fully qualified pathname.
669 .sp
670 If no log file name is provided on a \fBblogadm\fR command line, the entry name
671 is assumed to be the same as the log file name. For example, the following two
672 lines achieve the same thing, keeping two copies of rotated log files:
673 .sp
674 .in +2
675 .nf
676 % logadm -C2 -w mylog /my/really/long/log/file/name
677 % logadm -C2 -w /my/really/long/log/file/name
678 .fi
679 .in -2
680 .sp

682 .RE

684 .sp
685 .ne 2
686 .na
687 \fB\fB-z\fR \fIcount\fR\fR
688 .ad
689 .sp .6
690 .RS 4n
691 Compress old log files after all other commands have been executed. \fIcount\fR
692 of the most recent log files are left uncompressed, therefore making the
693 \fIcount\fR most recent files easier to peruse. Use \fIcount\fR of zero to
694 compress all old logs.
695 .sp
696 The compression is done with \fBgzip\fR(1) and the resulting log file has the
697 suffix of \fB\&.gz\fR.
698 .RE

700 .SH OPERANDS
701 .sp
702 .LP
703 The following operands are supported:
704 .sp
705 .ne 2
706 .na
707 \fB\fIlogname\fR\fR
708 .ad
709 .sp .6
710 .RS 4n
711 Identifies the name of the entry in \fB/etc/logadm.conf\fR. If the log file
712 name is specified in the \fIlogname\fR field, it is assumed that \fIlogname\fR
713 is the same as the actual log file name.
714 .RE

716 .SH EXAMPLES
717 .LP
718 \fBExample 1\fR \fRRotating a File and Keeping Previous Versions
719 .sp
720 .LP
721 The following example rotates the \fB/var/adm/exacct/proc\fR file, keeping ten

```

```

722 previous versions in \fB/var/adm/exacct/proc.0\fR through
723 \fB/var/adm/exacct/proc.9\fR.

725 .sp
726 .LP
727 Tell \fBblogadm\fR to copy the file and truncate it.

729 .sp
730 .in +2
731 .nf
732 % logadm -c /var/adm/exacct/proc
733 .fi
734 .in -2
735 .sp

737 .LP
738 \fBExample 2\fR \fRRotating syslog
739 .sp
740 .LP
741 The following example rotates \fBsyslog\fR and keeps eight log files. Old log
742 files are put in the directory \fB/var/oldlogs\fR instead of \fB/var/log\fR:

744 .sp
745 .in +2
746 .nf
747 % logadm -C8 -t'/var/oldlogs/syslog.$n' /var/log/syslog
748 .fi
749 .in -2
750 .sp

752 .LP
753 \fBExample 3\fR \fRRotating /var/adm/sulog and Expiring Based on Age
754 .sp
755 .LP
756 The following entry in the \fB/etc/logadm.conf\fR file rotates the
757 \fB/var/adm/sulog\fR file and expires any copies older than 30 days.

759 .sp
760 .in +2
761 .nf
762 /var/adm/sulog -A 30d
763 .fi
764 .in -2
765 .sp

767 .LP
768 \fBExample 4\fR \fRRotating Files and Expiring Based on Disk Usage
769 .sp
770 .LP
771 The following entry in the \fB/etc/logadm.conf\fR file rotates the
772 \fB/var/adm/sulog\fR file and expires old log files when more than 100
773 megabytes are used by the sum of all the rotated log files.

775 .sp
776 .in +2
777 .nf
778 /var/adm/sulog -S 100m
779 .fi
780 .in -2
781 .sp

783 .LP
784 \fBExample 5\fR \fRCreating an Entry that Stores the Logfile Name
785 .sp
786 .LP
787 This example creates an entry storing the log file name and the fact that we

```

```

788 want to keep 20 copies in \fB/etc/logadm.conf\fR, but the \fB\fR\fB-p\fR
789 \fBnever\fR means the entry is ignored by the normal \fBblogadm\fR run from
790 root's crontab every morning.

792 .sp
793 .in +2
794 .nf
795 % logadm -w locallog /usr/local/logfile -C20 -p never
796 .fi
797 .in -2
798 .sp

800 .sp
801 .LP
802 Use the following entry on the command line to override the \fB\fR\fB-p\fR
803 \fBnever\fR option:

805 .sp
806 .in +2
807 .nf
808 % logadm -p now locallog
809 .fi
810 .in -2
811 .sp

813 .LP
814 \fBExample 6 \fRRotating the apache Error and Access Logs
815 .sp
816 .LP
817 The following example rotates the apache error and access logs monthly to
818 filenames based on current year and month. It keeps the 24 most recent copies
819 and tells apache to restart after renaming the logs.

821 .sp
822 .LP
823 This command is run once, and since the \fB-w\fR option is specified, an entry
824 is made in \fB/etc/logadm.conf\fR so the apache logs are rotated from now on.

826 .sp
827 .in +2
828 .nf
829 % logadm -w apache -p 1m -C 24\`e
830 -t '/var/apache2/2.2/old-logs/$basename.%Y-%m'\`e
831 -a '/usr/apache2/2.2/bin/apachectl graceful'\`e
832 '/var/apache2/2.2/logs/*{access,error}_log'
830 -t '/var/apache/old-logs/$basename.%Y-%m'\`e
831 -a '/usr/apache/bin/apachectl graceful'\`e
832 '/var/apache/logs/*{access,error}_log'
833 .fi
834 .in -2
835 .sp

837 .sp
838 .LP
839 This example also illustrates that the entry name supplied with the \fB-w\fR
840 option doesn't have to match the log file name. In this example, the entry name
841 is \fBapache\fR and once the line has been run, the entry in
842 \fB/etc/logadm.conf\fR can be forced to run by executing the following command:

844 .sp
845 .in +2
846 .nf
847 % logadm -p now apache
848 .fi
849 .in -2
850 .sp

```

```

852 .sp
853 .LP
854 Because the expression matching the apache log file names was enclosed in
855 quotes, the expression is stored in \fB/etc/logadm.conf\fR, rather than the
856 list of files that it expands to. This means that each time \fBblogadm\fR runs
857 from \fBcron\fR it expands that expression and checks all the log files in the
858 resulting list to see if they need rotating.

860 .sp
861 .LP
862 The following command is an example without the quotes around the log name
863 expression. The shell expands the last argument into a list of log files that
864 exist at the time the command is entered, and writes an entry to
865 \fB/etc/logadm.conf\fR that rotates the files.

867 .sp
868 .in +2
869 .nf
870 logadm -w apache /var/apache2/2.2/logs/*_log
870 logadm -w apache /var/apache/logs/*_log
871 .fi
872 .in -2
873 .sp

875 .SH FILES
876 .sp
877 .ne 2
878 .na
879 \fB\fB/etc/logadm.conf\fR\fR
880 .ad
881 .sp .6
882 .RS 4n
883 configuration file for \fBblogadm\fR command
884 .RE

886 .SH ATTRIBUTES
887 .sp
888 .LP
889 See \fBattributes\fR(5) for descriptions of the following attributes:
890 .sp

892 .sp
893 .TS
894 box;
895 c | c
896 l | l .
897 ATTRIBUTE TYPE ATTRIBUTE VALUE
898 -
899 Interface Stability Evolving
900 .TE

902 .SH SEE ALSO
903 .sp
904 .LP
905 \fBbchgrp\fR(1), \fBbchmod\fR(1), \fBbchown\fR(1), \fBbcsh\fR(1), \fBbgzip\fR(1),
906 \fBbcron\fR(1M), \fBbctime\fR(3C), \fBbstrftime\fR(3C), \fBblogadm.conf\fR(4),
907 \fBattributes\fR(5)
908 .SH NOTES
909 .sp
910 .LP
911 When \fBblogadm\fR applies expire conditions (supplied by the \fB-A\fR,
912 \fB-C\fR, and \fB-S\fR options), it deletes files, the oldest first, until the
913 conditions are satisfied. If the template used for naming the old logs
914 contained \fB$n\fR or \fB$N\fR, \fBblogadm\fR picks the highest value of
915 \fB$n\fR or \fB$N\fR found in the old log file names first. If the template

```

916 used is something else, \fBlogadm\fR uses the modification time to determine  
917 which files to expire first. This may not be the expected behavior if an old  
918 log file has been modified since it was rotated.  
919 .sp  
920 .LP  
921 Depending on log file sizes and number of log files, log file rotations can be  
922 very time-consuming.  
923 .sp  
924 .LP  
925 By default, \fBlogadm\fR works in \fBGMT\fR. Therefore, all entries written to  
926 the \fB/etc/logadm.conf\fR file (see \fBlogadm.conf\fR(4)) will have a  
927 \fBGMT\fR timestamp. Users can use the \fB-l\fR option to set \fBlogadm\fR to  
928 local time.

```

*****
9243 Wed Aug 8 20:59:38 2012
new/usr/src/man/man4/mod_ipp.4
Bump Apache dependency to Apache 2
*****
1 \" te
2.\" Copyright (c) 2003, Sun Microsystems, Inc.
3.\" All Rights Reserved.
4.\" The contents of this file are subject to the terms of the Common Development
5.\" You can obtain a copy of the license at usr/src/OPENSOLARIS.LICENSE or http:
6.\" When distributing Covered Code, include this CDDL HEADER in each file and in
7.TH MOD_IPP 4 "Nov 26, 2003"
8.SH NAME
9 mod_ipp \- Embedded Internet Print Protocol (IPP) listener for the Apache HTTP
10 server
11.SH SYNOPSIS
12.LP
13.nf
14 \fB/usr/apache2/2.2/libexec/mod_ipp.so\fR
14 \fB/usr/apache/libexec/mod_ipp.so\fR
15 .fi

17.SH DESCRIPTION
18.sp
19.LP
20 The \fBmod_ipp\fR module implements RFCs 2910 and 2911 to provide an IPP
21 handling service for the Apache HTTP server. When loaded on the Apache server,
22 \fBmod_ipp\fR processes all HTTP requests with MIME types of
23 \fBapplication/ipp\fR. The \fBmod_ipp\fR module also processes additional
24 configuration directives to enable or disable portions of the protocol support.
25 .SS "Using Configuration Directives"
26.sp
27.LP
28 The following is a list of configuration directives that apply to the Apache
29 IPP Listening service:
30.RS +4
31.TP
32.ie t \(\bu
33.el o
34 ipp-conformance (\fIautomatic\fR|\fI1.0\fR|\fI1.1\fR)
35.RE
36.RS +4
37.TP
38.ie t \(\bu
39.el o
40 ipp-operation (\fIoperation\fR) (\fBenable\fR|\fBdisable\fR)
41.RS +4
42.TP
43.ie t \(\bu
44.el o
45 \fBenable\fR|\fBdisable\fR
46.sp
47 The values \fBtrue\fR, \fBbytes\fR, \fBbon\fR, \fBenable\fR are considered to be
48 synonymous and will enable support for the named operation. All other values
49 will disable support for the named operation.
50.RE
51.RE
52.SS "Operations"
53.sp
54.LP
55 The following is a list of IPP handling service operations:
56.sp
57.ne 2
58.na
59 \fBprint-job\fR
60.ad

```

```

61.RS 26n
62 This operation is a required IPP operation that allows client systems to submit
63 a print job with a single document embedded in the data stream. This operation
64 is primarily used from the IPP support Microsoft has provided for its Windows
65 (9X/ME/NT/2K/XP).
66.RE

68.sp
69.ne 2
70.na
71 \fBprint-uri\fR
72.ad
73.RS 26n
74 This is an optional IPP operation that allows client systems to submit a print
75 job with a reference (URL) for a single document. This operation is currently
76 not supported by the \fBmod_ipp\fR Apache Module.
77.RE

79.sp
80.ne 2
81.na
82 \fBvalidate-job\fR
83.ad
84.RS 26n
85 This is a required IPP operation that allows client systems to simulate the
86 submission of a print job to verify that the server is capable of handling the
87 job. This operation is supported by \fBmod_ipp\fR.
88.RE

90.sp
91.ne 2
92.na
93 \fBcreate-job\fR
94.ad
95.RS 26n
96 This is an optional IPP operation that allows client systems to submit a print
97 job. The operation is used with the \fBsend-document\fR and \fBsend-uri\fR
98 operations.
99.RE

101.sp
102.ne 2
103.na
104 \fBget-jobs\fR
105.ad
106.RS 26n
107 This is a required IPP operation that allows client systems to retrieve a list
108 of print jobs from the print service.
109.RE

111.sp
112.ne 2
113.na
114 \fBget-printer-attributes\fR
115.ad
116.RS 26n
117 This is a required IPP operation that allows client systems to retrieve
118 attributes from the print service that describes the named printer object.
119.RE

121.sp
122.ne 2
123.na
124 \fBpause-printer\fR
125.ad
126.RS 26n

```

```

127 This an optional IPP operation that allows client systems to stop job
128 processing on the named print queue.
129 .RE

131 .sp
132 .ne 2
133 .na
134 \fB\fBresume-printer\fR\fR
135 .ad
136 .RS 26n
137 This is an optional IPP operation that allows client systems to resume job
138 processing on the named print queue.
139 .RE

141 .sp
142 .ne 2
143 .na
144 \fB\fBpurge-jobs\fR\fR
145 .ad
146 .RS 26n
147 This is an optional IPP operation that allows client systems to cancel all
148 print jobs on the named print queue.
149 .RE

151 .sp
152 .ne 2
153 .na
154 \fB\fBsend-document\fR\fR
155 .ad
156 .RS 26n
157 This is a required IPP operation that allows client systems to add documents to
158 print jobs created with the \fBcreate-job\fR operation, but not yet submitted.
159 .RE

161 .sp
162 .ne 2
163 .na
164 \fB\fBsend-uri\fR\fR
165 .ad
166 .RS 26n
167 This is an optional IPP operation that allows a client system to add a document
168 reference (URI) to a print job created with the \fBcreate-job\fR operation, but
169 not yet submitted. This operation is currently not supported by the
170 \fBmod_ipp\fR Apache Module.
171 .RE

173 .sp
174 .ne 2
175 .na
176 \fB\fBcancel-job\fR\fR
177 .ad
178 .RS 26n
179 This is a required IPP operation that allows client systems to cancel print
180 jobs.
181 .RE

183 .sp
184 .ne 2
185 .na
186 \fB\fBget-job-attributes\fR\fR
187 .ad
188 .RS 26n
189 This is a required IPP operation that allows client systems to retrieve
190 attributes that describe a print job from the print service.
191 .RE

```

```

193 .sp
194 .ne 2
195 .na
196 \fB\fBhold-job\fR\fR
197 .ad
198 .RS 26n
199 This is an optional IPP operation that allows client systems to hold print
200 jobs.
201 .RE

203 .sp
204 .ne 2
205 .na
206 \fB\fBrelease-job\fR\fR
207 .ad
208 .RS 26n
209 This is an optional IPP operation that allows client systems to release print
210 jobs.
211 .RE

213 .sp
214 .ne 2
215 .na
216 \fB\fBrestart-job\fR\fR
217 .ad
218 .RS 26n
219 This is an optional IPP operation that allows client systems to restart print
220 jobs.
221 .RE

223 .sp
224 .ne 2
225 .na
226 \fB\fBall\fR\fR
227 .ad
228 .RS 26n
229 This is a place holder for enabling or disabling support for all IPP operations
230 implemented by the \fBmod_ipp\fR Apache module.
231 .RE

233 .sp
234 .ne 2
235 .na
236 \fB\fBrequired\fR\fR
237 .ad
238 .RS 26n
239 This is a place holder for enabling or disabling support for the required IPP
240 operations implemented by the \fBmod_ipp\fR Apache module.
241 .RE

243 .SH EXAMPLES
244 .LP
245 \fBExample 1 \fRUsing a Configuration File to Start a Standalone Apache Server
246 .sp
247 .LP
248 The following configuration file can be used to start a standalone Apache
249 server to respond to IPP request sent to port 631.

251 .sp
252 .in +2
253 .nf
254 ServerType standalone
255 ServerRoot "/usr/apache2/2.2"
255 ServerRoot "/usr/apache"
256 PidFile /var/run/httpd-standalone-ipp.pid
257 ErrorLog /var/lp/logs/ipp-errors

```



```

259 Timeout 300
260 KeepAlive On
261 MaxKeepAliveRequests 100
262 KeepAliveTimeout 15

264 MinSpareServers 1
265 MaxSpareServers 3
266 StartServers 1
267 MaxClients 150
268 MaxRequestsPerChild 0

270 LoadModule ipp_module libexec/mod_ipp.so

272 ClearModuleList
273 AddModule mod_ipp.c
274 AddModule mod_so.c

276 Port 631

278 User lp
279 Group lp

281 ServerAdmin lp@localhost
282 DefaultType application/ipp

284 <IFModule mod_app>
285     <Location />
286         ipp-operation all on
287     </Location>
288 </IFModule mod_app>
289 .fi
290 .in -2

292 .sp
293 .LP
294 A more restrictive configuration might include the following parameters:

296 .sp
297 .in +2
298 .nf
299 <IFModule mod_app>
300     <Location />
301         ipp-operation all offn
302         ipp-operation required on
303     </Location>
304 </IFModule mod_app>
305 .fi
306 .in -2

308 .SH ATTRIBUTES
309 .sp
310 .LP
311 See \fBattributes\fR(5) or descriptions of the following attributes:
312 .sp

314 .sp
315 .TS
316 box;
317 c | c
318 l | l .
319 ATTRIBUTE TYPE    ATTRIBUTE VALUE
320 -
321 Interface Stability    External
322 .TE

```

```

324 .SH SEE ALSO
325 .sp
326 .LP
327 \fBman\fR(1), \fBcatman\fR(1M), \fBattributes\fR(5)
328 .sp
329 .LP
330 Herriot, R., Ed., Butler, S., Moore, P., Turner, R., Wenn, J. \fIRFC 2910,
331 Internet Printing Protocol/1.1: Encoding and Transport\fR. Network Working
332 Group. September 2000.
333 .sp
334 .LP
335 Hastings, T., Ed., Herriot, R., deBry, R., Isaacson, S., Powell, P. \fIRFC
336 2911, Internet Printing Protocol/1.1: Model and Semantics\fR. Network Working
337 Group. September 2000.
338 .sp
339 .LP
340 http://www.apache.org
341 .SH NOTES
342 .sp
343 .LP
344 Configuration file directives are processed in the order listed in the config
345 file. The default behavior is to enable support for all operations implemented
346 in the \fBmod_ipp\fR Apache module.
347 .sp
348 .LP
349 Since the Apache IPP listening service implements some capabilities that are
350 more of operator features, it may not be desirable to enable all IPP operations
351 without requiring user authentication on the Apache listening service.
352 .sp
353 .LP
354 The following is an example of a more reasonable configuration for Apache IPP
355 servers without user authentication enabled:
356 .sp
357 .in +2
358 .nf
359 ipp-operations all disabled
360 ipp-operations required enabled
361 .fi
362 .in -2

364 .sp
365 .LP
366 The printers and jobs available under this service can be accessed using URIs
367 of the following form:
368 .sp
369 .in +2
370 .nf
371 printer:
372     http://server\[:port\]/printers/{queue}
373     ipp://server\[:port\]/printers/{queue}
374 job:
375     http://server\[:port\]/printers/{queue}/{job-id}
376     ipp://server\[:port\]/printers/{queue}/{job-id}
377 .fi
378 .in -2

380 .sp
381 .LP
382 631 is the default IPP port and implied when the URI scheme is \fBipp\fR.
383 However, some client implementations do not recognize the \fBipp\fR URI scheme
384 and require \fBhttp://server:631/...fR instead. For example, Microsoft's IPP
385 client implementation does not recognize the \fBipp\fR scheme.
386 .sp
387 .LP
388 In addition to the documentation and man pages included with Solaris, more
389 information is available at http://www.apache.org

```

390 .sp  
391 .LP  
392 The \fBhttpd\fR(8) man page and other Apache man pages are provided with the  
393 programming modules. To view the Apache manual pages with the man command, add  
394 \fB/usr/apache2/2.2/man\fR to the \fBMANPATH\fR environment variable. See  
394 \fB/usr/apache/man\fR to the \fBMANPATH\fR environment variable. See  
395 \fBman\fR(1) for more information. Running \fBcatman\fR(1M) on the Apache  
396 manual pages is not supported.

new/usr/src/pkg/manifests/print-lp-ipp-ipp-listener.mf

1

\*\*\*\*\*

2482 Wed Aug 8 20:59:39 2012

new/usr/src/pkg/manifests/print-lp-ipp-ipp-listener.mf

Bump Apache dependency to Apache 2

\*\*\*\*\*

```
1 #
2 # CDDL HEADER START
3 #
4 # The contents of this file are subject to the terms of the
5 # Common Development and Distribution License (the "License").
6 # You may not use this file except in compliance with the License.
7 #
8 # You can obtain a copy of the license at usr/src/OPENSOLARIS.LICENSE
9 # or http://www.opensolaris.org/os/licensing.
10 # See the License for the specific language governing permissions
11 # and limitations under the License.
12 #
13 # When distributing Covered Code, include this CDDL HEADER in each
14 # file and include the License file at usr/src/OPENSOLARIS.LICENSE.
15 # If applicable, add the following below this CDDL HEADER, with the
16 # fields enclosed by brackets "[]" replaced with your own identifying
17 # information: Portions Copyright [yyyy] [name of copyright owner]
18 #
19 # CDDL HEADER END
20 #
21 #
22 #
23 # Copyright (c) 2010, Oracle and/or its affiliates. All rights reserved.
24 #
25 #
26 set name=pkg.fmri value=pkg:/print/lp/ipp/ipp-listener@$(PKGVERS)
27 set name=pkg.description \
28     value="Internet Printing Protocol(IPP) Apache module for listening service"
29 set name=pkg.summary value="Internet Printing Protocol(IPP) listener module"
30 set name=info.classification \
31     value=org.opensolaris.category.2008:System/Printing
32 set name=variant.arch value=$(ARCH)
33 dir path=etc group=sys
34 dir path=etc/apache2
35 dir path=etc/apache2/2.2
36 dir path=etc/apache
37 dir path=lib
38 dir path=lib/svc
39 dir path=lib/svc/manifest group=sys
40 dir path=lib/svc/manifest/application group=sys
41 dir path=lib/svc/manifest/application/print group=sys
42 dir path=usr group=sys
43 dir path=usr/apache2
44 dir path=usr/apache2/2.2
45 dir path=usr/apache2/2.2/libexec
46 dir path=usr/apache
47 dir path=usr/apache/libexec
48 dir path=var group=sys
49 dir path=var/lp group=lp mode=0775 owner=lp
50 dir path=var/lp/ipp-listener
51 file path=etc/apache2/2.2/httpd-standalone-ipp.conf \
52     file path=etc/apache/httpd-standalone-ipp.conf \
53     original_name=SUNWippl:etc/apache/httpd-standalone-ipp.conf preserve=true
54 file path=lib/svc/manifest/application/print/ipp-listener.xml group=sys \
55     mode=0444
56 file path=usr/apache2/2.2/libexec/mod_ipp.so mode=0555
57 file path=usr/apache/libexec/mod_ipp.so mode=0555
58 file path=var/lp/ipp-listener/index.html mode=0444
59 legacy pkg=SUNWipplr \
60     desc="Internet Printing Protocol(IPP) Apache configuration for service modul
61     name="Internet Printing Protocol(IPP) listener, (root)" \
```

new/usr/src/pkg/manifests/print-lp-ipp-ipp-listener.mf

2

```
57     version=13.1,REV=2009.11.11
58 legacy pkg=SUNWipplu \
59     desc="Internet Printing Protocol(IPP) Apache module for listening service" \
60     name="Internet Printing Protocol(IPP) listener module (/usr)" \
61     version=13.1,REV=2009.11.11
62 license cr_Sun license=cr_Sun
63 license lic_CDDL license=lic_CDDL
```