

new/usr/src/tools/scripts/webrev.sh

1

```
*****
91520 Wed Dec 25 08:52:20 2013
new/usr/src/tools/scripts/webrev.sh
allow webrev to be run directly from usr/src/tools/scripts/webrev
*****
1 #!/usr/bin/ksh93 -p
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 #
24 # Copyright (c) 2002, 2010, Oracle and/or its affiliates. All rights reserved.
25 #
26 #
27 # Copyright 2008, 2010, Richard Lowe
28 # Copyright 2012 Marcel Telka <marcel@telka.sk>
29 # Copyright 2013 PALO, Richard. All rights reserved.
30 #
31 #
32 # This script takes a file list and a workspace and builds a set of html files
33 # suitable for doing a code review of source changes via a web page.
34 # Documentation is available via the manual page, webrev.1, or just
35 # type 'webrev -h'.
36 #
37 # Acknowledgements to contributors to webrev are listed in the webrev(1)
38 # man page.
39 #
40 #
41 REMOVED_COLOR=brown
42 CHANGED_COLOR=blue
43 NEW_COLOR=blue
44 #
45 HTML='<?xml version="1.0"?>
46 <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
47 "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
48 <html xmlns="http://www.w3.org/1999/xhtml" xml:lang="en" lang="en">\n'
49 #
50 FRAMEHTML='<?xml version="1.0"?>
51 <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Frameset//EN"
52 "http://www.w3.org/TR/xhtml1/DTD/xhtml1-frameset.dtd">
53 <html xmlns="http://www.w3.org/1999/xhtml" xml:lang="en" lang="en">\n'
54 #
55 STDHEAD='<meta http-equiv="cache-control" content="no-cache"></meta>
56 <meta http-equiv="Pragma" content="no-cache"></meta>
57 <meta http-equiv="Expires" content="-1"></meta>
58 <!--
59 Note to customizers: the body of the webrev is Ided as SUNWwebrev
60 to allow easy overriding by users of webrev via the userContent.css
61 mechanism available in some browsers.
```

new/usr/src/tools/scripts/webrev.sh

2

```
63 For example, to have all "removed" information be red instead of
64 brown, set a rule in your userContent.css file like:
65
66 body#SUNWwebrev span.removed { color: red ! important; }
67 -->
68 <style type="text/css" media="screen">
69 body {
70 background-color: #e0e0e0;
71 }
72
73 _____
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97 #
98 # fix_postscript
99 #
100 #
101 #
102 #
103 #
104 #
105 #
106 #
107 #
108 #
109 #
110 #
111 #
112 #
113 #
114 #
115 #
116 #
117 #
118 #
119 #
120 #
121 #
122 #
123 #
124 #
125 #
126 #
127 #
128 #
129 #
130 #
131 #
132 #
133 #
134 #
135 #
136 #
137 #
138 #
139 #
140 #
141 #
142 #
143 #
144 #
145 #
146 #
147 #
148 #
149 #
150 #
151 #
152 #
153 #
154 #
155 #
156 #
157 #
158 #
159 #
160 #
161 #
162 #
163 #
164 #
165 #
166 #
167 #
168 #
169 #
170 #
171 #
172 #
173 #
174 #
175 #
176 #
177 #
178 #
179 #
180 #
181 #
182 #
183 #
184 #
185 #
186 #
187 #
188 #
189 #
190 #
191 #
192 #
193 #
194 #
195 #
196 #
197 #
198 #
199 #
200 #
201 #
202 #
203 #
204 #
205 #
206 #
207 #
208 #
209 #
210 #
211 #
212 #
213 #
214 #
215 #
216 #
217 #
218 #
219 #
220 #
221 #
222 #
223 #
224 #
225 #
226 #
227 #
228 #
229 #
230 #
231 #
232 #
233 #
234 #
235 #
236 #
237 #
238 #
239 #
240 #
241 #
242 #
243 #
244 #
245 #
246 #
247 #
248 #
249 #
250 #
251 #
252 #
253 #
254 #
255 #
256 #
257 #
258 #
259 #
260 #
261 #
262 #
263 #
264 #
265 #
266 #
267 #
268 #
269 #
270 #
271 #
272 #
273 #
274 #
275 #
276 #
277 #
278 #
279 #
280 #
281 #
282 #
283 #
284 #
285 #
286 #
287 #
288 #
289 #
290 #
291 #
292 #
293 #
294 #
295 #
296 #
297 #
298 #
299 #
300 #
301 #
302 #
303 #
304 #
305 #
306 #
307 #
308 #
309 #
310 #
311 #
312 #
313 #
314 #
315 #
316 #
317 #
318 #
319 #
320 #
321 #
322 #
323 #
324 #
325 #
326 #
327 #
328 #
329 #
330 #
331 #
332 #
333 #
334 #
335 #
336 #
337 #
338 #
339 #
340 #
341 #
342 #
343 #
344 #
345 #
346 #
347 #
348 #
349 #
350 #
351 #
352 #
353 #
354 #
355 #
356 #
357 #
358 #
359 #
360 #
361 #
362 #
363 #
364 #
365 #
366 #
367 #
368 #
369 #
370 #
371 #
372 #
373 #
374 #
375 #
376 #
377 #
378 #
379 #
380 #
381 #
382 #
383 #
384 #
385 #
386 #
387 #
388 #
389 #
390 #
391 #
392 #
393 #
394 #
395 #
396 #
397 #
398 #
399 #
400 #
401 #
402 #
403 #
404 #
405 #
406 #
407 #
408 #
409 #
410 #
411 #
412 #
413 #
414 #
415 #
416 #
417 #
418 #
419 #
420 #
421 #
422 #
423 #
424 #
425 #
426 #
427 #
428 #
429 #
430 #
431 #
432 #
433 #
434 #
435 #
436 #
437 #
438 #
439 #
440 #
441 #
442 #
443 #
444 #
445 #
446 #
447 #
448 #
449 #
450 #
451 #
452 #
453 #
454 #
455 #
456 #
457 #
458 #
459 #
460 #
461 #
462 #
463 #
464 #
465 #
466 #
467 #
468 #
469 #
470 #
471 #
472 #
473 #
474 #
475 #
476 #
477 #
478 #
479 #
480 #
481 #
482 #
483 #
484 #
485 #
486 #
487 #
488 #
489 #
490 #
491 #
492 #
493 #
494 #
495 #
496 #
497 #
498 #
499 #
500 #
501 #
502 #
503 #
504 #
505 #
506 #
507 #
508 #
509 #
510 #
511 #
512 #
513 #
514 #
515 #
516 #
517 #
518 #
519 #
520 #
521 #
522 #
523 #
524 #
525 #
526 #
527 #
528 #
529 #
530 #
531 #
532 #
533 #
534 #
535 #
536 #
537 #
538 #
539 #
540 #
541 #
542 #
543 #
544 #
545 #
546 #
547 #
548 #
549 #
550 #
551 #
552 #
553 #
554 #
555 #
556 #
557 #
558 #
559 #
560 #
561 #
562 #
563 #
564 #
565 #
566 #
567 #
568 #
569 #
570 #
571 #
572 #
573 #
574 #
575 #
576 #
577 #
578 #
579 #
580 #
581 #
582 #
583 #
584 #
585 #
586 #
587 #
588 #
589 #
590 #
591 #
592 #
593 #
594 #
595 #
596 #
597 #
598 #
599 #
600 #
601 #
602 #
603 #
604 #
605 #
606 #
607 #
608 #
609 #
610 #
611 #
612 #
613 #
614 #
615 #
616 #
617 #
618 #
619 #
620 #
621 #
622 #
623 #
624 #
625 #
626 #
627 #
628 #
629 #
630 #
631 #
632 #
633 #
634 #
635 #
636 #
637 #
638 #
639 #
640 #
641 #
642 #
643 #
644 #
645 #
646 #
647 #
648 #
649 #
650 #
651 #
652 #
653 #
654 #
655 #
656 #
657 #
658 #
659 #
660 #
661 #
662 #
663 #
664 #
665 #
666 #
667 #
668 #
669 #
670 #
671 #
672 #
673 #
674 #
675 #
676 #
677 #
678 #
679 #
680 #
681 #
682 #
683 #
684 #
685 #
686 #
687 #
688 #
689 #
690 #
691 #
692 #
693 #
694 #
695 #
696 #
697 #
698 #
699 #
700 #
701 #
702 #
703 #
704 #
705 #
706 #
707 #
708 #
709 #
710 #
711 #
712 #
713 #
714 #
715 #
716 #
717 #
718 #
719 #
720 #
721 #
722 #
723 #
724 #
725 #
726 #
727 #
728 #
729 #
730 #
731 #
732 #
733 #
734 #
735 #
736 #
737 #
738 #
739 #
740 #
741 #
742 #
743 #
744 #
745 #
746 #
747 #
748 #
749 #
750 #
751 #
752 #
753 #
754 #
755 #
756 #
757 #
758 #
759 #
760 #
761 #
762 #
763 #
764 #
765 #
766 #
767 #
768 #
769 #
770 #
771 #
772 #
773 #
774 #
775 #
776 #
777 #
778 #
779 #
780 #
781 #
782 #
783 #
784 #
785 #
786 #
787 #
788 #
789 #
790 #
791 #
792 #
793 #
794 #
795 #
796 #
797 #
798 #
799 #
800 #
801 #
802 #
803 #
804 #
805 #
806 #
807 #
808 #
809 #
810 #
811 #
812 #
813 #
814 #
815 #
816 #
817 #
818 #
819 #
820 #
821 #
822 #
823 #
824 #
825 #
826 #
827 #
828 #
829 #
830 #
831 #
832 #
833 #
834 #
835 #
836 #
837 #
838 #
839 #
840 #
841 #
842 #
843 #
844 #
845 #
846 #
847 #
848 #
849 #
850 #
851 #
852 #
853 #
854 #
855 #
856 #
857 #
858 #
859 #
860 #
861 #
862 #
863 #
864 #
865 #
866 #
867 #
868 #
869 #
870 #
871 #
872 #
873 #
874 #
875 #
876 #
877 #
878 #
879 #
880 #
881 #
882 #
883 #
884 #
885 #
886 #
887 #
888 #
889 #
890 #
891 #
892 #
893 #
894 #
895 #
896 #
897 #
898 #
899 #
900 #
901 #
902 #
903 #
904 #
905 #
906 #
907 #
908 #
909 #
910 #
911 #
912 #
913 #
914 #
915 #
916 #
917 #
918 #
919 #
920 #
921 #
922 #
923 #
924 #
925 #
926 #
927 #
928 #
929 #
930 #
931 #
932 #
933 #
934 #
935 #
936 #
937 #
938 #
939 #
940 #
941 #
942 #
943 #
944 #
945 #
946 #
947 #
948 #
949 #
950 #
951 #
952 #
953 #
954 #
955 #
956 #
957 #
958 #
959 #
960 #
961 #
962 #
963 #
964 #
965 #
966 #
967 #
968 #
969 #
970 #
971 #
972 #
973 #
974 #
975 #
976 #
977 #
978 #
979 #
980 #
981 #
982 #
983 #
984 #
985 #
986 #
987 #
988 #
989 #
990 #
991 #
992 #
993 #
994 #
995 #
996 #
997 #
998 #
999 #
1000 #
```

new/usr/src/tools/scripts/webrev.sh

3

```

2309 # We don't warn on the absence of 'wx' until later when we've
2310 # determined that we actually need to try to invoke it.
2311 #
2312 [[ ! -x $CODEREVIEW ]] && print -u2 "WARNING: codereview(1) not found."
2313 [[ ! -x $PS2PDF ]] && print -u2 "WARNING: ps2pdf(1) not found."
2314 [[ ! -x $WDIFF ]] && print -u2 "WARNING: wdiff not found."

2316 # Declare global total counters.
2317 integer TOTL TINS TDEL TMOD TUNC

2319 # default remote host for upload/delete
2320 typeset -r DEFAULT_REMOTE_HOST="cr.opensolaris.org"
2321 # prefixes for upload targets
2322 typeset -r rsync_prefix="rsync://"
2323 typeset -r ssh_prefix="ssh://"

2325 Cflag=
2326 Dflag=
2327 flist_mode=
2328 flist_file=
2329 iflag=
2330 lflag=
2331 nflag=
2332 oflag=
2333 pflag=
2334 tflag=
2335 uflag=
2336 wflag=
2341 remote_target=

2343 #
2344 # NOTE: when adding/removing options it is necessary to sync the list
2345 # with usr/src/tools/onbld/hgext/cdm.py
2346 #
2347 while getopts "C:Di:I:lnNo:Op:t:Uw" opt
2348 do
2349     case $opt in
2350     C)      Cflag=1
2351            ITSCONF=$OPTARG;;
2353     D)      Dflag=1;;
2355     i)      iflag=1
2356            INCLUDE_FILE=$OPTARG;;
2358     I)      lflag=1
2359            ITSREG=$OPTARG;;

2361     #
2362     # If -l has been specified, we need to abort further options
2363     # processing, because subsequent arguments are going to be
2364     # arguments to 'putback -n'.
2365     #
2366     l)      lflag=1
2367            break;;

2369     N)      Nflag=1;;

2371     n)      nflag=1;;

2373     O)      Oflag=1;;

```

new/usr/src/tools/scripts/webrev.sh

4

```

2375     o)      oflag=1
2376            # Strip the trailing slash to correctly form remote target.
2377            WDIR=${OPTARG%/*};;

2379     p)      pflag=1
2380            codemgr_parent=$OPTARG;;

2382     t)      tflag=1
2383            remote_target=$OPTARG;;

2385     U)      Uflag=1;;

2387     w)      wflag=1;;

2389     ?)      usage;;
2390     esac
2391 done

2393 FLIST=/tmp/$$flist

2395 if [[ -n $wflag && -n $lflag ]]; then
2396     usage
2397 fi

2399 # more sanity checking
2400 if [[ -n $nflag && -z $Uflag ]]; then
2401     print "it does not make sense to skip webrev generation" \
2402           "without -U"
2403     exit 1
2404 fi

2406 if [[ -n $tflag && -z $Uflag && -z $Dflag ]]; then
2407     echo "remote target has to be used only for upload or delete"
2408     exit 1
2409 fi

2411 #
2412 # For the invocation "webrev -n -U" with no other options, webrev will assume
2413 # that the webrev exists in ${CWS}/webrev, but will upload it using the name
2414 # ${basename ${CWS}}. So we need to get CWS set before we skip any remaining
2415 # logic.
2416 #
2417 $WHICH_SCM | read SCM_MODE junk || exit 1
2418 if [[ $SCM_MODE == "teamware" ]]; then
2419     #
2420     # Teamware priorities:
2421     # 1. CODEMGR_WS from the environment
2422     # 2. workspace name
2423     #
2424     [[ -z $codemgr_ws && -n $CODEMGR_WS ]] && codemgr_ws=$CODEMGR_WS
2425     if [[ -n $codemgr_ws && ! -d $codemgr_ws ]]; then
2426         print -u2 "$codemgr_ws: no such workspace"
2427         exit 1
2428     fi
2429     [[ -z $codemgr_ws ]] && codemgr_ws=$(workspace name)
2430     codemgr_ws=$(cd $codemgr_ws;print $PWD)
2431     CODEMGR_WS=$codemgr_ws
2432     CWS=$codemgr_ws
2433 elif [[ $SCM_MODE == "mercurial" ]]; then
2434     #
2435     # Mercurial priorities:
2436     # 1. hg root from CODEMGR_WS environment variable
2437     # 1a. hg root from CODEMGR_WS/usr/closed if we're somewhere under
2438     #     usr/closed when we run webrev
2439     # 2. hg root from directory of invocation
2440     #

```

```

2441     if [[ ${PWD} =~ "usr/closed" ]]; then
2442         testparent=${CODEMGR_WS}/usr/closed
2443         # If we're in OpenSolaris mode, we enforce a minor policy:
2444         # help to make sure the reviewer doesn't accidentally publish
2445         # source which is under usr/closed
2446         if [[ -n "$Oflag" ]]; then
2447             print -u2 "OpenSolaris output not permitted with" \
2448                 "usr/closed changes"
2449             exit 1
2450         fi
2451     else
2452         testparent=${CODEMGR_WS}
2453     fi
2454     [[ -z $codemgr_ws && -n $testparent ]] && \
2455         codemgr_ws=$(hg root -R $testparent 2>/dev/null)
2456     [[ -z $codemgr_ws ]] && codemgr_ws=$(hg root 2>/dev/null)
2457     CWS=$codemgr_ws
2458 elif [[ $SCM_MODE == "git" ]]; then
2459     #
2460     # Git priorities:
2461     # 1. git rev-parse --git-dir from CODEMGR_WS environment variable
2462     # 2. git rev-parse --git-dir from directory of invocation
2463     #
2464     [[ -z $codemgr_ws && -n $CODEMGR_WS ]] && \
2465         codemgr_ws=$(GIT --git-dir=$CODEMGR_WS/.git rev-parse --git-dir \
2466             2>/dev/null)
2467     [[ -z $codemgr_ws ]] && \
2468         codemgr_ws=$(GIT rev-parse --git-dir 2>/dev/null)
2470
2471     if [[ "$codemgr_ws" == ".git" ]]; then
2472         fi
2473
2474     codemgr_ws=$(dirname $codemgr_ws) # Lose the './.git'
2475     CWS="$codemgr_ws"
2476 elif [[ $SCM_MODE == "subversion" ]]; then
2477     #
2478     # Subversion priorities:
2479     # 1. CODEMGR_WS from environment
2480     # 2. Relative path from current directory to SVN repository root
2481     #
2482     if [[ -n $CODEMGR_WS && -d $CODEMGR_WS/.svn ]]; then
2483         CWS=$CODEMGR_WS
2484     else
2485         svn info | while read line; do
2486             if [[ $line == "URL: *" ]]; then
2487                 url=${line#URL: }
2488             elif [[ $line == "Repository Root: *" ]]; then
2489                 repo=${line#Repository Root: }
2490             fi
2491         done
2492
2493         rel=${url#$repo}
2494         CWS=${PWD%$rel}
2495     fi
2496 fi
2498 #
2499 # If no SCM has been determined, take either the environment setting
2500 # setting for CODEMGR_WS, or the current directory if that wasn't set.
2501 #
2502 if [[ -z ${CWS} ]]; then
2503     CWS=${CODEMGR_WS:-.}
2504 fi
2506 #

```

```

2507 # If the command line options indicate no webrev generation, either
2508 # explicitly (-n) or implicitly (-D but not -U), then there's a whole
2509 # ton of logic we can skip.
2510 #
2511 # Instead of increasing indentation, we intentionally leave this loop
2512 # body open here, and exit via break from multiple points within.
2513 # Search for DO_EVERYTHING below to find the break points and closure.
2514 #
2515 for do_everything in 1; do
2517 # DO_EVERYTHING: break point
2518 if [[ -n $nflag || ( -z $Uflag && -n $Dflag ) ]]; then
2519     break
2520 fi
2522 #
2523 # If this manually set as the parent, and it appears to be an earlier webrev,
2524 # then note that fact and set the parent to the raw_files/new subdirectory.
2525 #
2526 if [[ -n $pflag && -d $codemgr_parent/raw_files/new ]]; then
2527     parent_webrev=$(readlink -f "$codemgr_parent")
2528     codemgr_parent=$(readlink -f "$codemgr_parent/raw_files/new")
2529 fi
2531 if [[ -z $wflag && -z $lflag ]]; then
2532     shift (($OPTIND - 1))
2534     if [[ $1 == "-" ]]; then
2535         cat > $FLIST
2536         flist_mode="stdin"
2537         flist_done=1
2538         shift
2539     elif [[ -n $1 ]]; then
2540         if [[ ! -r $1 ]]; then
2541             print -u2 "$1: no such file or not readable"
2542             usage
2543         fi
2544         cat $1 > $FLIST
2545         flist_mode="file"
2546         flist_file=$1
2547         flist_done=1
2548         shift
2549     else
2550         flist_mode="auto"
2551     fi
2552 fi
2554 #
2555 # Before we go on to further consider -l and -w, work out which SCM we think
2556 # is in use.
2557 #
2558 case "$SCM_MODE" in
2559     teamware|mercurial|git|subversion)
2560         ;;
2561     unknown)
2562         if [[ $flist_mode == "auto" ]]; then
2563             print -u2 "Unable to determine SCM in use and file list not spec
2564             print -u2 "See which_scm(1) for SCM detection information."
2565             exit 1
2566         fi
2567         ;;
2568     *)
2569         if [[ $flist_mode == "auto" ]]; then
2570             print -u2 "Unsupported SCM in use ($SCM_MODE) and file list not
2571             exit 1
2572         fi

```

```

2573     ;;
2574 esac

2576 print -u2 "   SCM detected: $SCM_MODE"

2578 if [[ -n $flflag ]]; then
2579     #
2580     # If the -l flag is given instead of the name of a file list,
2581     # then generate the file list by extracting file names from a
2582     # putback -n.
2583     #
2584     shift $(( $OPTIND - 1 ))
2585     if [[ $SCM_MODE == "teamware" ]]; then
2586         flist_from_teamware "$*"
2587     else
2588         print -u2 -- "Error: -l option only applies to TeamWare"
2589         exit 1
2590     fi
2591     flist_done=1
2592     shift $#
2593 elif [[ -n $wflag ]]; then
2594     #
2595     # If the -w is given then assume the file list is in Bonwick's "wx"
2596     # command format, i.e. pathname lines alternating with SCCS comment
2597     # lines with blank lines as separators. Use the SCCS comments later
2598     # in building the index.html file.
2599     #
2600     shift $(( $OPTIND - 1 ))
2601     wxfile=$1
2602     if [[ -z $wxfile && -n $CODEMGR_WS ]]; then
2603         if [[ -r $CODEMGR_WS/wx/active ]]; then
2604             wxfile=$CODEMGR_WS/wx/active
2605         fi
2606     fi

2608     [[ -z $wxfile ]] && print -u2 "wx file not specified, and could not " \
2609     "be auto-detected (check $CODEMGR_WS)" && exit 1

2611     if [[ ! -r $wxfile ]]; then
2612         print -u2 "$wxfile: no such file or not readable"
2613         usage
2614     fi

2616     print -u2 " File list from: wx 'active' file '$wxfile' ... \c"
2617     flist_from_wx $wxfile
2618     flist_done=1
2619     if [[ -n "$*" ]]; then
2620         shift
2621     fi
2622 elif [[ $flist_mode == "stdin" ]]; then
2623     print -u2 " File list from: standard input"
2624 elif [[ $flist_mode == "file" ]]; then
2625     print -u2 " File list from: $flist_file"
2626 fi

2628 if [[ $# -gt 0 ]]; then
2629     print -u2 "WARNING: unused arguments: $*"
2630 fi

2632 #
2633 # Before we entered the DO EVERYTHING loop, we should have already set CWS
2634 # and CODEMGR_WS as needed. Here, we set the parent workspace.
2635 #

2637 if [[ $SCM_MODE == "teamware" ]]; then

```

```

2639     #
2640     # Teamware priorities:
2641     #
2642     #     1) via -p command line option
2643     #     2) in the user environment
2644     #     3) in the flist
2645     #     4) automatically based on the workspace
2646     #

2648     #
2649     # For 1, codemgr_parent will already be set. Here's 2:
2650     #
2651     [[ -z $codemgr_parent && -n $CODEMGR_PARENT ]] && \
2652         codemgr_parent=$CODEMGR_PARENT
2653     if [[ -n $codemgr_parent && ! -d $codemgr_parent ]]; then
2654         print -u2 "$codemgr_parent: no such directory"
2655         exit 1
2656     fi

2658     #
2659     # If we're in auto-detect mode and we haven't already gotten the file
2660     # list, then see if we can get it by probing for wx.
2661     #
2662     if [[ -z $flist_done && $flist_mode == "auto" && -n $codemgr_ws ]]; then
2663         if [[ ! -x $WX ]]; then
2664             print -u2 "WARNING: wx not found!"
2665         fi

2667         #
2668         # We need to use wx list -w so that we get renamed files, etc.
2669         # but only if a wx active file exists-- otherwise wx will
2670         # hang asking us to initialize our wx information.
2671         #
2672         if [[ -x $WX && -f $codemgr_ws/wx/active ]]; then
2673             print -u2 " File list from: 'wx list -w' ... \c"
2674             $WX list -w > $FLIST
2675             $WX comments > /tmp/$$.wx_comments
2676             wxfile=/tmp/$$.wx_comments
2677             print -u2 "done"
2678             flist_done=1
2679         fi
2680     fi

2682     #
2683     # If by hook or by crook we've gotten a file list by now (perhaps
2684     # from the command line), eval it to extract environment variables from
2685     # it: This is method 3 for finding the parent.
2686     #
2687     if [[ -z $flist_done ]]; then
2688         flist_from_teamware
2689     fi
2690     env_from_flist

2692     #
2693     # (4) If we still don't have a value for codemgr_parent, get it
2694     # from workspace.
2695     #
2696     [[ -z $codemgr_parent ]] && codemgr_parent='workspace parent'
2697     if [[ ! -d $codemgr_parent ]]; then
2698         print -u2 "$CODEMGR_PARENT: no such parent workspace"
2699         exit 1
2700     fi

2702     PWS=$codemgr_parent

2704     [[ -n $parent_webrev ]] && RWS=$(workspace parent $CWS)

```

```

2706 elif [[ $SCM_MODE == "mercurial" ]]; then
2707 #
2708 # Parent can either be specified with -p
2709 # Specified with CODEMGR_PARENT in the environment
2710 # or taken from hg's default path.
2711 #
2713 if [[ -z $codemgr_parent && -n $CODEMGR_PARENT ]]; then
2714     codemgr_parent=$CODEMGR_PARENT
2715 fi
2717 if [[ -z $codemgr_parent ]]; then
2718     codemgr_parent=`hg path -R $codemgr_ws default 2>/dev/null`
2719 fi
2721 PWS=$codemgr_parent
2723 #
2724 # If the parent is a webrev, we want to do some things against
2725 # the natural workspace parent (file list, comments, etc)
2726 #
2727 if [[ -n $parent_webrev ]]; then
2728     real_parent=`hg path -R $codemgr_ws default 2>/dev/null`
2729 else
2730     real_parent=$PWS
2731 fi
2733 #
2734 # If hg-active exists, then we run it. In the case of no explicit
2735 # flist given, we'll use it for our comments. In the case of an
2736 # explicit flist given we'll try to use it for comments for any
2737 # files mentioned in the flist.
2738 #
2739 if [[ -z $flist_done ]]; then
2740     flist_from_mercurial $CWS $real_parent
2741     flist_done=1
2742 fi
2744 #
2745 # If we have a file list now, pull out any variables set
2746 # therein. We do this now (rather than when we possibly use
2747 # hg-active to find comments) to avoid stomping specifications
2748 # in the user-specified flist.
2749 #
2750 if [[ -n $flist_done ]]; then
2751     env_from_flist
2752 fi
2754 #
2755 # Only call hg-active if we don't have a wx formatted file already
2756 #
2757 if [[ -x $HG_ACTIVE && -z $wxfile ]]; then
2758     print " Comments from: hg-active -p $real_parent ...`c"
2759     hg_active_wxfile $CWS $real_parent
2760     print " Done."
2761 fi
2763 #
2764 # At this point we must have a wx flist either from hg-active,
2765 # or in general. Use it to try and find our parent revision,
2766 # if we don't have one.
2767 #
2768 if [[ -z $HG_PARENT ]]; then
2769     eval `$SED -e "s/#.*$//" $wxfile | $GREP HG_PARENT=`
2770 fi

```

```

2772 #
2773 # If we still don't have a parent, we must have been given a
2774 # wx-style active list with no HG_PARENT specification, run
2775 # hg-active and pull an HG_PARENT out of it, ignore the rest.
2776 #
2777 if [[ -z $HG_PARENT && -x $HG_ACTIVE ]]; then
2778     $HG_ACTIVE -w $codemgr_ws -p $real_parent | \
2779         eval `$SED -e "s/#.*$//" | $GREP HG_PARENT=`
2780 elif [[ -z $HG_PARENT ]]; then
2781     print -u2 "Error: Cannot discover parent revision"
2782     exit 1
2783 fi
2785 pnode=$(trim_digest $HG_PARENT)
2786 PRETTY_PWS="${PWS} (at ${pnode})"
2787 cnode=`hg parent -R $codemgr_ws --template '{node|short}' \
2788     2>/dev/null`
2789 PRETTY_CWS="${CWS} (at ${cnode})"
2790 elif [[ $SCM_MODE == "git" ]]; then
2791 #
2792 # Parent can either be specified with -p, or specified with
2793 # CODEMGR_PARENT in the environment.
2794 #
2796 if [[ -z $codemgr_parent && -n $CODEMGR_PARENT ]]; then
2797     codemgr_parent=$CODEMGR_PARENT
2798 fi
2800 # Try to figure out the parent based on the branch the current
2801 # branch is tracking, if we fail, use origin/master
2802 this_branch=`$GIT branch | nawk '$1 == "*" { print $2 }`
2803 par_branch="origin/master"
2805 # If we're not on a branch there's nothing we can do
2806 if [[ $this_branch != "(no branch)" ]]; then
2807     $GIT for-each-ref
2808         --format='%(refname:short) %(upstream:short)' refs/heads/ |
2809         while read local remote; do
2810             [[ "$local" == "$this_branch" ]] && par_branch="$remote"
2811         done
2812 fi
2814 if [[ -z $codemgr_parent ]]; then
2815     codemgr_parent=$par_branch
2816 fi
2817 PWS=$codemgr_parent
2819 #
2820 # If the parent is a webrev, we want to do some things against
2821 # the natural workspace parent (file list, comments, etc)
2822 #
2823 if [[ -n $parent_webrev ]]; then
2824     real_parent=$par_branch
2825 else
2826     real_parent=$PWS
2827 fi
2829 if [[ -z $flist_done ]]; then
2830     flist_from_git "$CWS" "$real_parent"
2831     flist_done=1
2832 fi
2834 #
2835 # If we have a file list now, pull out any variables set
2836 # therein.

```

```

2837 #
2838 if [[ -n $flist_done ]]; then
2839     env_from_flist
2840 fi
2842 #
2843 # If we don't have a wx-format file list, build one we can pull change
2844 # comments from.
2845 #
2846 if [[ -z $wxfile ]]; then
2847     print " Comments from: git...\c"
2848     git_wxfile "$CWS" "$real_parent"
2849     print " Done."
2850 fi
2852 if [[ -z $GIT_PARENT ]]; then
2853     GIT_PARENT=$(GIT merge-base "$real_parent" HEAD)
2854 fi
2855 if [[ -z $GIT_PARENT ]]; then
2856     print -u2 "Error: Cannot discover parent revision"
2857     exit 1
2858 fi
2860 pnode=$(trim_digest $GIT_PARENT)
2862 if [[ $real_parent == */* ]]; then
2863     origin=$(echo $real_parent | cut -d/ -f1)
2864     origin=$(GIT remote -v | \
2865         $AWK '$1 == "'$origin'" { print $2; exit }')
2866     PRETTY_PWS="$PWS" (${origin} at ${pnode})"
2867 else
2868     PRETTY_PWS="$PWS" (at ${pnode})"
2869 fi
2871 cnode=$(GIT --git-dir=${codemgr_ws}/.git rev-parse --short=12 HEAD \
2872     2>/dev/null)
2873 PRETTY_CWS="$CWS" (at ${cnode})"
2874 elif [[ $SCM_MODE == "subversion" ]]; then
2876 #
2877 # We only will have a real parent workspace in the case one
2878 # was specified (be it an older webrev, or another checkout).
2879 #
2880 [[ -n $codemgr_parent ]] && PWS=$codemgr_parent
2882 if [[ -z $flist_done && $flist_mode == "auto" ]]; then
2883     flist_from_subversion $CWS $OLDPWD
2884 fi
2885 else
2886 if [[ $SCM_MODE == "unknown" ]]; then
2887     print -u2 " Unknown type of SCM in use"
2888 else
2889     print -u2 " Unsupported SCM in use: $SCM_MODE"
2890 fi
2892 env_from_flist
2894 if [[ -z $CODEMGR_WS ]]; then
2895     print -u2 "SCM not detected/supported and CODEMGR_WS not specified"
2896     exit 1
2897 fi
2899 if [[ -z $CODEMGR_PARENT ]]; then
2900     print -u2 "SCM not detected/supported and CODEMGR_PARENT not specified"
2901     exit 1
2902 fi

```

```

2904     CWS=$CODEMGR_WS
2905     PWS=$CODEMGR_PARENT
2906 fi
2908 #
2909 # If the user didn't specify a -i option, check to see if there is a
2910 # webrev-info file in the workspace directory.
2911 #
2912 if [[ -z $iflag && -r "$CWS/webrev-info" ]]; then
2913     iflag=1
2914     INCLUDE_FILE="$CWS/webrev-info"
2915 fi
2917 if [[ -n $iflag ]]; then
2918     if [[ ! -r $INCLUDE_FILE ]]; then
2919         print -u2 "include file '$INCLUDE_FILE' does not exist or is \
2920             "not readable."
2921         exit 1
2922     else
2923         #
2924         # $INCLUDE_FILE may be a relative path, and the script alters
2925         # PWD, so we just stash a copy in /tmp.
2926         #
2927         cp $INCLUDE_FILE /tmp/${$.include}
2928     fi
2929 fi
2931 # DO EVERYTHING: break point
2932 if [[ -n $Nflag ]]; then
2933     break
2934 fi
2936 typeset -A itsinfo
2937 typeset -r its_sed_script=/tmp/${$.its_sed}
2938 valid_prefixes=
2939 if [[ -z $Nflag ]]; then
2940     DEFREGFILE=$(/bin/dirname "${whence $0}"/../etc/its.reg"
2941     DEFREGFILE0=$(/bin/dirname "${whence $0}"/its.reg"
2942     if [[ -n $iflag ]]; then
2943         REGFILE=$ITSREG
2944     elif [[ -r $HOME/.its.reg ]]; then
2945         REGFILE=$HOME/.its.reg
2946     elif [[ -r $DEFREGFILE ]]; then
2947         REGFILE=$DEFREGFILE
2948     else
2949         REGFILE=$DEFREGFILE0
2950         REGFILE=$DEFREGFILE
2951     fi
2952     if [[ ! -r $REGFILE ]]; then
2953         print "ERROR: Unable to read database registry file $REGFILE"
2954         exit 1
2955     elif [[ $REGFILE != $DEFREGFILE ]]; then
2956         print " its.reg from: $REGFILE"
2957     fi
2958     $SED -e '/^#/d' -e '/^[ \t]*$/d' $REGFILE | while read LINE; do
2960         name=${LINE%%=*}
2961         value=${LINE#*=}
2963         if [[ $name == PREFIX ]]; then
2964             p=${value}
2965             valid_prefixes="$p" ${valid_prefixes}
2966         else
2967             itsinfo["${p}_${name}"]="${value}"

```

```

2968         fi
2969     done

2972     DEFCONFFILE="$(/bin/dirname "$(whence $0)"/../etc/its.conf"
2973     DEFCONFFILE0="$(/bin/dirname "$(whence $0)"/its.conf"
2974     if [[ -r $DEFCONFFILE ]]; then
2975         CONFFILES=$DEFCONFFILE
2976     else
2977         CONFFILES=$DEFCONFFILE0
2978     fi
2979     if [[ -r $HOME/.its.conf ]]; then
2980         CONFFILES="{CONFFILES} $HOME/.its.conf"
2981     fi
2982     if [[ -n $Cflag ]]; then
2983         CONFFILES="{CONFFILES} ${ITSCONF}"
2984     fi
2985     its_domain=
2986     its_priority=
2987     for cf in ${CONFFILES}; do
2988         if [[ ! -r $cf ]]; then
2989             print "ERROR: Unable to read database configuration file"
2990             exit 1
2991         elif [[ $cf != $DEFCONFFILE ]]; then
2992             print "its.conf: reading $cf"
2993         fi
2994         $$SED -e '/^#/d' -e '/^[ \t]*$/d' $cf | while read LINE; do
2995             eval "$LINE"
2996         done
2997     done

2999     #
3000     # If an information tracking system is explicitly identified by prefix,
3001     # we want to disregard the specified priorities and resolve it according
3002     #
3003     # To that end, we'll build a sed script to do each valid prefix in turn.
3004     #
3005     for p in ${valid_prefixes}; do
3006         #
3007         # When an informational URL was provided, translate it to a
3008         # hyperlink. When omitted, simply use the prefix text.
3009         #
3010         if [[ -z ${itsinfo["${p}_INFO"]} ]]; then
3011             itsinfo["${p}_INFO"]=${p}
3012         else
3013             itsinfo["${p}_INFO"]="

```

```

3034         fi

3036     #
3037     # Turn the destination URL into a hyperlink
3038     #
3039     itsinfo["${p}_URL"]="

```

```

3100 # host_spec:remote_dir then assume it is just remote hostname
3101 # and append a colon and destination directory formed from
3102 # local webrev directory name.
3103 #
3104 typeset target_no_prefix=${remote_target##*://}
3105 if [[ ${target_no_prefix} == /*/* ]]; then
3106     if [[ "${remote_target}" == /*/* ]]; then
3107         remote_target=${remote_target}${WNAME}
3108     fi
3109 else
3110     if [[ ${target_no_prefix} == /*/* ]]; then
3111         print "ERROR: badly formed upload URI" \
3112             "(${remote_target})"
3113         exit 1
3114     else
3115         remote_target=${remote_target}:${WNAME}
3116     fi
3117 fi
3118 fi
3119
3120 #
3121 # Strip trailing slash. Each upload method will deal with directory
3122 # specification separately.
3123 #
3124 remote_target=${remote_target%/}
3125 fi
3126
3127 #
3128 # Option -D by itself (option -U not present) implies no webrev generation.
3129 #
3130 if [[ -z $Uflag && -n $Dflag ]]; then
3131     delete_webrev 1 1
3132     exit $?
3133 fi
3134
3135 #
3136 # Do not generate the webrev, just upload it or delete it.
3137 #
3138 if [[ -n $nflag ]]; then
3139     if [[ -n $Dflag ]]; then
3140         delete_webrev 1 1
3141         (( $? == 0 )) || exit $?
3142     fi
3143     if [[ -n $Uflag ]]; then
3144         upload_webrev
3145         exit $?
3146     fi
3147 fi
3148
3149 if [ "${WDIR%/*}" ]; then
3150     WDIR=$PWD/$WDIR
3151 fi
3152
3153 if [[ ! -d $WDIR ]]; then
3154     mkdir -p $WDIR
3155     (( $? != 0 )) && exit 1
3156 fi
3157
3158 #
3159 # Summarize what we're going to do.
3160 #
3161 print "      Workspace: ${PRETTY_CWS:-$CWS}"
3162 if [[ -n $parent_webrev ]]; then
3163     print "Compare against: webrev at $parent_webrev"
3164 else
3165     print "Compare against: ${PRETTY_PWS:-$PWS}"

```

```

3166 fi
3167
3168 [[ -n $INCLUDE_FILE ]] && print "      Including: $INCLUDE_FILE"
3169 print "      Output to: $WDIR"
3170
3171 #
3172 # Save the file list in the webrev dir
3173 #
3174 [[ ! $FLIST -ef $WDIR/file.list ]] && cp $FLIST $WDIR/file.list
3175
3176 rm -f $WDIR/$WNAME.patch
3177 rm -f $WDIR/$WNAME.ps
3178 rm -f $WDIR/$WNAME.pdf
3179
3180 touch $WDIR/$WNAME.patch
3181
3182 print "      Output Files:"
3183
3184 #
3185 # Clean up the file list: Remove comments, blank lines and env variables.
3186 #
3187 $SED -e "s/#.*$//" -e "/=/d" -e "/^[ ]*$/d" $FLIST > /tmp/$$filelist.clean
3188 FLIST=/tmp/$$filelist.clean
3189
3190 #
3191 # For Mercurial, create a cache of manifest entries.
3192 #
3193 if [[ $SCM_MODE == "mercurial" ]]; then
3194     #
3195     # Transform the FLIST into a temporary sed script that matches
3196     # relevant entries in the Mercurial manifest as follows:
3197     # 1) The script will be used against the parent revision manifest,
3198     #    so for FLIST lines that have two filenames (a renamed file)
3199     #    keep only the old name.
3200     # 2) Escape all forward slashes the filename.
3201     # 3) Change the filename into another sed command that matches
3202     #    that file in "hg manifest -v" output: start of line, three
3203     #    octal digits for file permissions, space, a file type flag
3204     #    character, space, the filename, end of line.
3205     # 4) Eliminate any duplicate entries. (This can occur if a
3206     #    file has been used as the source of an hg cp and it's
3207     #    also been modified in the same changeset.)
3208     #
3209     SEDFILE=/tmp/$$manifest.sed
3210     $SED '
3211         s#[^ ]* ##
3212         s/#\\\/#g
3213         s#^.*$#/^... . &$/p#
3214     ' < $FLIST | $SORT -u > $SEDFILE
3215
3216 #
3217 # Apply the generated script to the output of "hg manifest -v"
3218 # to get the relevant subset for this webrev.
3219 #
3220 HG_PARENT_MANIFEST=/tmp/$$manifest
3221 hg -R $CWS manifest -v -r $HG_PARENT |
3222     $SED -n -f $SEDFILE > $HG_PARENT_MANIFEST
3223 fi
3224
3225 #
3226 # First pass through the files: generate the per-file webrev HTML-files.
3227 #
3228 cat $FLIST | while read LINE
3229 do
3230     set - $LINE
3231     P=$1

```



```

3364 diff_to_html $F $DIR/$F "U" "$COMM" < $WDIR/$DIR/$F.udiff \
3365 > $WDIR/$DIR/$F.udiff.html

3367 print " udiffs\c"

3369 if [[ -x $WDIFF ]]; then
3370     $WDIFF -c "$COMM" \
3371     -t "$WNAME wdiff $DIR/$F" $ofile $nfile > \
3372     $WDIR/$DIR/$F.wdiff.html 2>/dev/null
3373     if [[ $? -eq 0 ]]; then
3374         print " wdiffs\c"
3375     else
3376         print " wdiffs[fail]\c"
3377     fi
3378 fi

3380 sdiff_to_html $ofile $nfile $F $DIR "$COMM" \
3381 > $WDIR/$DIR/$F.sdiff.html
3382 print " sdiffs\c"

3384 print " frames\c"

3386 rm -f $WDIR/$DIR/$F.cdifff $WDIR/$DIR/$F.udiff

3388 difflines $ofile $nfile > $WDIR/$DIR/$F.count

3390 elif [[ -f $ofile && -f $nfile && -n $mv_but_nodiff ]]; then
3391     # renamed file: may also have differences
3392     difflines $ofile $nfile > $WDIR/$DIR/$F.count
3393 elif [[ -f $nfile ]]; then
3394     # new file: count added lines
3395     difflines /dev/null $nfile > $WDIR/$DIR/$F.count
3396 elif [[ -f $ofile ]]; then
3397     # old file: count deleted lines
3398     difflines $ofile /dev/null > $WDIR/$DIR/$F.count
3399 fi

3401 #
3402 # Now we generate the postscript for this file. We generate diffs
3403 # only in the event that there is delta, or the file is new (it seems
3404 # tree-killing to print out the contents of deleted files).
3405 #
3406 if [[ -f $nfile ]]; then
3407     ocr=$ofile
3408     [[ ! -f $ofile ]] && ocr=/dev/null

3410 if [[ -z $mv_but_nodiff ]]; then
3411     textcomm='getcomments text $P $PP'
3412     if [[ -x $CODEREVIEW ]]; then
3413         $CODEREVIEW -y "$textcomm" \
3414         -e $ocr $nfile \
3415         > /tmp/$$.psfile 2>/dev/null &&
3416         cat /tmp/$$.psfile >> $WDIR/$WNAME.ps
3417         if [[ $? -eq 0 ]]; then
3418             print " ps\c"
3419         else
3420             print " ps[fail]\c"
3421         fi
3422     fi
3423 fi
3424 fi

3426 if [[ -f $ofile ]]; then
3427     source_to_html Old $PP < $ofile > $WDIR/$DIR/$F-.html
3428     print " old\c"
3429 fi

```

```

3431 if [[ -f $nfile ]]; then
3432     source_to_html New $P < $nfile > $WDIR/$DIR/$F.html
3433     print " new\c"
3434 fi

3436 cd $OWD

3438 print
3439 done

3441 frame_nav_js > $WDIR/ancnav.js
3442 frame_navigation > $WDIR/ancnav.html

3444 if [[ ! -f $WDIR/$WNAME.ps ]]; then
3445     print " Generating PDF: Skipped: no output available"
3446 elif [[ -x $CODEREVIEW && -x $PS2PDF ]]; then
3447     print " Generating PDF: \c"
3448     fix_postscript $WDIR/$WNAME.ps | $PS2PDF - > $WDIR/$WNAME.pdf
3449     print "Done."
3450 else
3451     print " Generating PDF: Skipped: missing 'ps2pdf' or 'codereview'"
3452 fi

3454 # If we're in OpenSolaris mode and there's a closed dir under $WDIR,
3455 # delete it - prevent accidental publishing of closed source

3457 if [[ -n "$Oflag" ]]; then
3458     $FIND $WDIR -type d -name closed -exec /bin/rm -rf {} \;
3459 fi

3461 # Now build the index.html file that contains
3462 # links to the source files and their diffs.

3464 cd $CWS

3466 # Save total changed lines for Code Inspection.
3467 print "$TOTL" > $WDIR/TotalChangedLines

3469 print " index.html: \c"
3470 INDEXFILE=$WDIR/index.html
3471 exec 3<&1 # duplicate stdout to FD3.
3472 exec 1<&- # Close stdout.
3473 exec > $INDEXFILE # Open stdout to index file.

3475 print "$HTML<head>${STDHEAD}"
3476 print "<title>$WNAME</title>"
3477 print "</head>"
3478 print "<body id=\"SUNWwebrev\">"
3479 print "<div class=\"summary\">"
3480 print "<h2>Code Review for $WNAME</h2>"

3482 print "<table>"

3484 #
3485 # Get the preparer's name:
3486 #
3487 # If the SCM detected is Mercurial, and the configuration property
3488 # ui.username is available, use that, but be careful to properly escape
3489 # angle brackets (HTML syntax characters) in the email address.
3490 #
3491 # Otherwise, use the current userid in the form "John Doe (jdoe)", but
3492 # to maintain compatibility with passwd(4), we must support '&' substitutions.
3493 #
3494 preparer=
3495 if [[ "$SCM_MODE" == mercurial ]]; then

```

```

3496     preparer='hg showconfig ui.username 2>/dev/null`
3497     if [[ -n "$preparer" ]]; then
3498         preparer="$(echo "$preparer" | html_quote)"
3499     fi
3500 fi
3501 if [[ -z "$preparer" ]]; then
3502     preparer=$(
3503     $PERL -e '
3504         ($login, $pw, $uid, $gid, $quota, $cmt, $gcos) = getpwuid($<);
3505         if ($login) {
3506             $gcos =~ s/\&/ucfirst($login)/e;
3507             printf "%s (%s)\n", $gcos, $login;
3508         } else {
3509             printf "(unknown)\n";
3510         }
3511     '
3512 fi

3514 PREPDATE=$(LC_ALL=C /usr/bin/date +%Y-%b-%d %R %z)
3515 print "<tr><th>Prepared by:</th><td>$preparer on $PREPDATE</td></tr>"
3516 print "<tr><th>Workspace:</th><td>${PRETTY_CWS:-$CWS}"
3517 print "</td></tr>"
3518 print "<tr><th>Compare against:</th><td>"
3519 if [[ -n $parent_webrev ]]; then
3520     print "webrev at $parent_webrev"
3521 else
3522     print "${PRETTY_PWS:-$PWS}"
3523 fi
3524 print "</td></tr>"
3525 print "<tr><th>Summary of changes:</th><td>"
3526 printCI $TOTL $TINS $TDEL $TMOD $TUNC
3527 print "</td></tr>"

3529 if [[ -f $WDIR/$WNAME.patch ]]; then
3530     wpatch_url=$(print $WNAME.patch | url_encode)
3531     print "<tr><th>Patch of changes:</th><td>"
3532     print "<a href=\"$wpatch_url\">$WNAME.patch</a></td></tr>"
3533 fi
3534 if [[ -f $WDIR/$WNAME.pdf ]]; then
3535     wpdf_url=$(print $WNAME.pdf | url_encode)
3536     print "<tr><th>Printable review:</th><td>"
3537     print "<a href=\"$wpdf_url\">$WNAME.pdf</a></td></tr>"
3538 fi

3540 if [[ -n "$iflag" ]]; then
3541     print "<tr><th>Author comments:</th><td><div>"
3542     cat /tmp/$$include
3543     print "</div></td></tr>"
3544 fi
3545 print "</table>"
3546 print "</div>"

3548 #
3549 # Second pass through the files: generate the rest of the index file
3550 #
3551 cat $FLIST | while read LINE
3552 do
3553     set - $LINE
3554     P=$1

3556     if [[ $# == 2 ]]; then
3557         PP=$2
3558         oldname="$PP"
3559     else
3560         PP=$P
3561         oldname=""

```

```

3562     fi

3564     mv_but_nodiff=
3565     cmp $WDIR/raw_files/old/$PP $WDIR/raw_files/new/$P > /dev/null 2>&1
3566     if [[ $? == 0 && -n "$oldname" ]]; then
3567         mv_but_nodiff=1
3568     fi

3570     DIR=${P%/*}
3571     if [[ $DIR == $P ]]; then
3572         DIR="." # File at root of workspace
3573     fi

3575     # Avoid processing the same file twice.
3576     # It's possible for renamed files to
3577     # appear twice in the file list

3579     F=$WDIR/$P

3581     print "<p>"

3583     # If there's a diffs file, make diffs links

3585     if [[ -f $F.cdifff.html ]]; then
3586         cdiff_url=$(print $P.cdifff.html | url_encode)
3587         udiff_url=$(print $P.udifff.html | url_encode)
3588         print "<a href=\"$cdiff_url\">Cdifff</a>"
3589         print "<a href=\"$udiff_url\">Udifff</a>"

3591     if [[ -f $F.wdifff.html && -x $WDIFF ]]; then
3592         wdiff_url=$(print $P.wdifff.html | url_encode)
3593         print "<a href=\"$wdiff_url\">Wdifff</a>"
3594     fi

3596     sdiff_url=$(print $P.sdifff.html | url_encode)
3597     print "<a href=\"$sdiff_url\">Sdifff</a>"

3599     frames_url=$(print $P.frames.html | url_encode)
3600     print "<a href=\"$frames_url\">Frames</a>"
3601 else
3602     print " -----"

3604     if [[ -x $WDIFF ]]; then
3605         print " -----"
3606     fi

3608     print " -----"
3609 fi

3611 # If there's an old file, make the link

3613 if [[ -f $F.html ]]; then
3614     oldfile_url=$(print $P.html | url_encode)
3615     print "<a href=\"$oldfile_url\">Old</a>"
3616 else
3617     print " ---"
3618 fi

3620 # If there's an new file, make the link

3622 if [[ -f $F.html ]]; then
3623     newfile_url=$(print $P.html | url_encode)
3624     print "<a href=\"$newfile_url\">New</a>"
3625 else
3626     print " ---"
3627 fi

```

```

3629     if [[ -f $F.patch ]]; then
3630         patch_url="$(print $P.patch | url_encode)"
3631         print "<a href=\"\$patch_url\">Patch</a>"
3632     else
3633         print " ----"
3634     fi

3636     if [[ -f $WDIR/raw_files/new/$P ]]; then
3637         rawfiles_url="$(print raw_files/new/$P | url_encode)"
3638         print "<a href=\"\$rawfiles_url\">Raw</a>"
3639     else
3640         print " ---"
3641     fi

3643     print "<b>$P</b>"

3645     # For renamed files, clearly state whether or not they are modified
3646     if [[ -f "$oldname" ]]; then
3647         if [[ -n "$mv_but_nodiff" ]]; then
3648             print "<i>(copied from $oldname)</i>"
3649         else
3650             print "<i>(copied and modified from $oldname)</i>"
3651         fi
3652     elif [[ -n "$oldname" ]]; then
3653         if [[ -n "$mv_but_nodiff" ]]; then
3654             print "<i>(renamed from $oldname)</i>"
3655         else
3656             print "<i>(renamed and modified from $oldname)</i>"
3657         fi
3658     fi

3660     # If there's an old file, but no new file, the file was deleted
3661     if [[ -f $F-.html && ! -f $F.html ]]; then
3662         print " <i>(deleted)</i>"
3663     fi

3665     #
3666     # Check for usr/closed and deleted_files/usr/closed
3667     #
3668     if [ ! -z "$Oflag" ]; then
3669         if [[ $P == usr/closed/* || \
3670             $P == deleted_files/usr/closed/* ]]; then
3671             print "&nbsp;&nbsp;&nbsp;<i>Closed source: omitted from" \
3672                 "this review</i>"
3673         fi
3674     fi

3676     print "</p>"
3677     # Insert delta comments

3679     print "<blockquote><pre>"
3680     getcomments html $P $PP
3681     print "</pre>"

3683     # Add additional comments comment

3685     print "<!-- Add comments to explain changes in $P here -->"

3687     # Add count of changes.

3689     if [[ -f $F.count ]]; then
3690         cat $F.count
3691         rm $F.count
3692     fi

```

```

3694         if [[ $SCM_MODE == "teamware" ||
3695             $SCM_MODE == "mercurial" ||
3696             $SCM_MODE == "unknown" ]]; then

3698             # Include warnings for important file mode situations:
3699             # 1) New executable files
3700             # 2) Permission changes of any kind
3701             # 3) Existing executable files

3703             old_mode=
3704             if [[ -f $WDIR/raw_files/old/$PP ]]; then
3705                 old_mode='get_file_mode $WDIR/raw_files/old/$PP'
3706             fi

3708             new_mode=
3709             if [[ -f $WDIR/raw_files/new/$P ]]; then
3710                 new_mode='get_file_mode $WDIR/raw_files/new/$P'
3711             fi

3713             if [[ -z "$old_mode" && "$new_mode" = *[1357]* ]]; then
3714                 print "<span class=\"chmod\">"
3715                 print "<p>new executable file: mode $new_mode</p>"
3716                 print "</span>"
3717             elif [[ -n "$old_mode" && -n "$new_mode" &&
3718                 "$old_mode" != "$new_mode" ]]; then
3719                 print "<span class=\"chmod\">"
3720                 print "<p>mode change: $old_mode to $new_mode</p>"
3721                 print "</span>"
3722             elif [[ "$new_mode" = *[1357]* ]]; then
3723                 print "<span class=\"chmod\">"
3724                 print "<p>executable file: mode $new_mode</p>"
3725                 print "</span>"
3726             fi
3727         fi

3729     print "</blockquote>"
3730     done

3732     print
3733     print
3734     print "<hr></hr>"
3735     print "<p style=\"font-size: small\">"
3736     print "This code review page was prepared using <b>$0</b>."
3737     print "Webrev is maintained by the <a href=\"http://www.illumos.org\">"
3738     print "illumos</a> project. The latest version may be obtained"
3739     print "<a href=\"http://src.illumos.org/source/xref/illumos-gate/usr/src/tools/s"
3740     print "</body>"
3741     print "</html>"

3743     exec 1<&-
3744     exec 1<&3
3745     exec 3<&-
3746     # Close FD 1.
3747     # dup FD 3 to restore stdout.
3748     # close FD 3.

3747     print "Done."

3749     #
3750     # If remote deletion was specified and fails do not continue.
3751     #
3752     if [[ -n $Dflag ]]; then
3753         delete_webrev 1 1
3754         (( $? == 0 )) || exit $?
3755     fi

3757     if [[ -n $Uflag ]]; then
3758         upload_webrev
3759         exit $?

```

`new/usr/src/tools/scripts/webrev.sh`

25

3760 fi