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*****
24764 Tue Jun  4 22:15:01 2013
new/usr/src/man/man1/passwd.1
3798 Typo in passwd(1) man page
*****
1 \" te
2 .\" Copyright 1989 AT&T
3 .\" Copyright (c) 2009, Sun Microsystems, Inc. All Rights Reserved.
4 .\" The contents of this file are subject to the terms of the Common Development
5 .\" See the License for the specific language governing permissions and limitat
6 .\" fields enclosed by brackets \"[]\" replaced with your own identifying informat
7 .TH PASSWD 1 \"May 31, 2013\"
7 .TH PASSWD 1 \"Feb 25, 2009\"
8 .SH NAME
9 passwd \- change login password and password attributes
10 .SH SYNOPSIS
11 .LP
12 .nf
13 \fBpasswd\fR [\fB-r\fR files | \fB-r\fR ldap | \fB-r\fR nis | \fB-r\fR nisplus]
14 .fi

16 .LP
17 .nf
18 \fBpasswd\fR [\fB-r\fR files] [\fB-egh\fR] [\fIname\fR]
19 .fi

21 .LP
22 .nf
23 \fBpasswd\fR [\fB-r\fR files] \fB-s\fR [\fB-a\fR]
24 .fi

26 .LP
27 .nf
28 \fBpasswd\fR [\fB-r\fR files] \fB-s\fR [\fIname\fR]
29 .fi

31 .LP
32 .nf
33 \fBpasswd\fR [\fB-r\fR files] [\fB-d\fR | \fB-l\fR | \fB-u\fR | \fB-N\fR] [\fB-f
34 [\fB-w\fR \fIwarn\fR] [\fB-x\fR \fImax\fR] \fIname\fR]
35 .fi

37 .LP
38 .nf
39 \fBpasswd\fR \fB-r\fR ldap [\fB-egh\fR] [\fIname\fR]
40 .fi

42 .LP
43 .nf
44 \fBpasswd\fR [\fB-r\fR ldap ] \fB-s\fR [\fB-a\fR]
45 .fi

47 .LP
48 .nf
49 \fBpasswd\fR [\fB-r\fR ldap ] \fB-s\fR [\fIname\fR]
50 .fi

52 .LP
53 .nf
54 \fBpasswd\fR \fB-r\fR ldap [\fB-d | -l | -u | -N\fR] [\fB-f\fR] [\fB-n\fR \fImin
55 .fi

57 .LP
58 .nf
59 \fBpasswd\fR \fB-r\fR nis [\fB-egh\fR] [\fIname\fR]
60 .fi

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62 .LP
63 .nf
64 \fBpasswd\fR \fB-r\fR nisplus [\fB-egh\fR] [\fB-D\fR \fIdomainname\fR] [\fIname\fR]
65 .fi

67 .LP
68 .nf
69 \fBpasswd\fR \fB-r\fR nisplus \fB-s\fR [\fB-a\fR]
70 .fi

72 .LP
73 .nf
74 \fBpasswd\fR \fB-r\fR nisplus [\fB-D\fR \fIdomainname\fR] \fB-s\fR [\fIname\fR]
75 .fi

77 .LP
78 .nf
79 \fBpasswd\fR \fB-r\fR nisplus [\fB-l\fR | \fB-u\fR | \fB-N\fR] [\fB-f\fR] [\fB-n
80 [\fB-x\fR \fImax\fR] [\fB-D\fR \fIdomainname\fR] \fIname\fR]
81 .fi

83 .SH DESCRIPTION
84 .sp
85 .LP
86 The \fBpasswd\fR command changes the password or lists password attributes
87 associated with the user's login \fIname\fR. Additionally, privileged users can
88 use \fBpasswd\fR to install or change passwords and attributes associated with
89 any login \fIname\fR.
90 .sp
91 .LP
92 When used to change a password, \fBpasswd\fR prompts everyone for their old
93 password, if any. It then prompts for the new password twice. When the old
94 password is entered, \fBpasswd\fR checks to see if it has aged sufficiently. If
95 \fBaging\fR is insufficient, \fBpasswd\fR terminates; see \fBpwconv\fR(1M),
96 \fBnistbladm\fR(1), and \fBshadow\fR(4) for additional information.
97 .sp
98 .LP
99 The \fBpwconv\fR command creates and updates \fB/etc/shadow\fR with information
100 from \fB/etc/passwd\fR. \fBpwconv\fR relies on a special value of \fBx\fR in
101 the password field of \fB/etc/passwd\fR. This value of \fBx\fR indicates that
102 the password for the user is already in \fB/etc/shadow\fR and should not be
103 modified.
104 .sp
105 .LP
106 If aging is sufficient, a check is made to ensure that the new password meets
107 construction requirements. When the new password is entered a second time, the
108 two copies of the new password are compared. If the two copies are not
109 identical, the cycle of prompting for the new password is repeated for, at
110 most, two more times.
111 .sp
112 .LP
113 Passwords must be constructed to meet the following requirements:
114 .RS +4
115 .TP
116 .ie t \(\bu
117 .el o
118 Each password must have \fBPASSLENGTH\fR characters, where \fBPASSLENGTH\fR is
119 defined in \fB/etc/default/passwd\fR and is set to \fB6\fR. Setting
120 \fBPASSLENGTH\fR to more than eight characters requires configuring
121 \fBpolicy.conf\fR(4) with an algorithm that supports greater than eight
122 characters.
123 .RE
124 .RS +4
125 .TP
126 .ie t \(\bu

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127 .el o
128 Each password must meet the configured complexity constraints specified in
129 \fB/etc/default/passwd\fR.
130 .RE
131 .RS +4
132 .TP
133 .ie t \(\bu
134 .el o
135 Each password must not be a member of the configured dictionary as specified in
136 \fB/etc/default/passwd\fR.
137 .RE
138 .RS +4
139 .TP
140 .ie t \(\bu
141 .el o
142 For accounts in name services which support password history checking, if prior
143 password history is defined, new passwords must not be contained in the prior
144 password history.
145 .RE
146 .sp
147 .LP
148 If all requirements are met, by default, the \fBpasswd\fR command consults
149 \fB/etc/nsswitch.conf\fR to determine in which repositories to perform password
150 update. It searches the \fBpasswd\fR and \fBpasswd_compat\fR entries. The
151 sources (repositories) associated with these entries are updated. However, the
152 password update configurations supported are limited to the following cases.
153 Failure to comply with the configurations prevents users from logging onto the
154 system. The password update configurations are:
155 .RS +4
156 .TP
157 .ie t \(\bu
158 .el o
159 \fBpasswd: files\fR
160 .RE
161 .RS +4
162 .TP
163 .ie t \(\bu
164 .el o
165 \fBpasswd: files ldap\fR
166 .RE
167 .RS +4
168 .TP
169 .ie t \(\bu
170 .el o
171 \fBpasswd: files nis\fR
172 .RE
173 .RS +4
174 .TP
175 .ie t \(\bu
176 .el o
177 \fBpasswd: files nisplus\fR
178 .RE
179 .RS +4
180 .TP
181 .ie t \(\bu
182 .el o
183 \fBpasswd: compat\fR (==> files nis)
184 .RE
185 .RS +4
186 .TP
187 .ie t \(\bu
188 .el o
189 \fBpasswd: compat\fR (==> files ldap)
190 .sp
191 \fBpasswd_compat: ldap\fR
192 .RE

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193 .RS +4
194 .TP
195 .ie t \(\bu
196 .el o
197 \fBpasswd: compat\fR (==> files nisplus)
198 .sp
199 \fBpasswd_compat: nisplus\fR
200 .RE
201 .sp
202 .LP
203 You can add the \fBad\fR keyword to any of the \fBpasswd\fR configurations in
204 the above list. However, you cannot use the \fBpasswd\fR command to change the
205 password of an Active Directory (AD) user. If the \fBad\fR keyword is found in
206 the \fBpasswd\fR entry during a password update operation, it is ignored. To
207 update the password of an AD user, use the \fBpasswd(1) command.
208 .sp
209 .LP
210 Network administrators, who own the NIS+ password table, can change any
211 password attributes. The administrator configured for updating LDAP shadow
212 information can also change any password attributes. See \fBldapclient\fR(1M).
213 .sp
214 .LP
215 When a user has a password stored in one of the name services as well as a
216 local \fBfiles\fR entry, the \fBpasswd\fR command updates both. It is possible
217 to have different passwords in the name service and local files entry. Use
218 \fBpasswd\fR \fB-r\fR to change a specific password repository.
219 .sp
220 .LP
221 In the \fBfiles\fR case, super-users (for instance, real and effective uid
222 equal to \fB0\fR, see \fBid\fR(1M) and \fBsu\fR(1M)) can change any password.
223 Hence, \fBpasswd\fR does not prompt privileged users for the old password.
224 Privileged users are not forced to comply with password aging and password
225 construction requirements. A privileged user can create a null password by
226 entering a carriage return in response to the prompt for a new password. (This
227 differs from \fBpasswd\fR \fB-d\fR because the \fBpasswd\fR prompt is still
228 displayed.) If NIS is in effect, superuser on the root master can change any
229 password without being prompted for the old NIS \fBpasswd\fR, and is not forced
230 to comply with password construction requirements.
231 .sp
232 .LP
233 If LDAP is in effect, superuser on any Native LDAP client system can change any
234 password without being prompted for the old LDAP passwd, and is not forced to
235 comply with password construction requirements.
236 .sp
237 .LP
238 Normally, \fBpasswd\fR entered with no arguments changes the password of the
239 current user. When a user logs in and then invokes \fBsu\fR(1M) to become
240 superuser or another user, \fBpasswd\fR changes the original user's password,
241 not the password of the superuser or the new user.
242 .sp
243 .LP
244 Any user can use the \fB-s\fR option to show password attributes for his or her
245 own login \fBfname\fR, provided they are using the \fB-r\fR \fBnisplus\fR
246 argument. Otherwise, the \fB-s\fR argument is restricted to the superuser.
247 .sp
248 .LP
249 The format of the display is:
250 .sp
251 .in +2
252 .nf
253 \fBfname status mm/dd/yy min max warn\fR
254 .fi
255 .in -2
256 .sp
258 .sp

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259 .LP
260 or, if password aging information is not present,
261 .sp
262 .in +2
263 .nf
264 \fIname status\fR
265 .fi
266 .in -2
267 .sp

269 .sp
270 .LP
271 where
272 .sp
273 .ne 2
274 .na
275 \fB\fIname\fR\fR
276 .ad
277 .RS 12n
278 The login \fBID\fR of the user.
279 .RE

281 .sp
282 .ne 2
283 .na
284 \fB\fIstatus\fR\fR
285 .ad
286 .RS 12n
287 The password status of \fIname\fR.
288 .sp
289 The \fIstatus\fR field can take the following values:
290 .sp
291 .ne 2
292 .na
293 \fBBLK\fR
294 .ad
295 .RS 6n
296 This account is \fBBlocked\fR account. See Security.
297 .RE

299 .sp
300 .ne 2
301 .na
302 \fBNL\fR
303 .ad
304 .RS 6n
305 This account is a \fBno login\fR account. See \fBSecurity\fR.
306 .RE

308 .sp
309 .ne 2
310 .na
311 \fBNP\fR
312 .ad
313 .RS 6n
314 This account has no password and is therefore open without authentication.
315 .RE

317 .sp
318 .ne 2
319 .na
320 \fBPS\fR
321 .ad
322 .RS 6n
323 This account has a password.
324 .RE

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326 .RE

328 .sp
329 .ne 2
330 .na
331 \fB\fImm/dd/yy\fR\fR
332 .ad
333 .RS 12n
334 The date password was last changed for \fIname\fR. All password aging dates are
335 determined using Greenwich Mean Time (Universal Time) and therefore can differ
336 by as much as a day in other time zones.
337 .RE

339 .sp
340 .ne 2
341 .na
342 \fB\fImin\fR\fR
343 .ad
344 .RS 12n
345 The minimum number of days required between password changes for \fIname\fR.
346 \fBMINWEEKS\fR is found in \fB/etc/default/passwd\fR and is set to \fBNULL\fR.
347 .RE

349 .sp
350 .ne 2
351 .na
352 \fB\fImax\fR\fR
353 .ad
354 .RS 12n
355 The maximum number of days the password is valid for \fIname\fR. \fBMAXWEEKS\fR
356 is found in \fB/etc/default/passwd\fR and is set to \fBNULL\fR.
357 .RE

359 .sp
360 .ne 2
361 .na
362 \fB\fIwarn\fR\fR
363 .ad
364 .RS 12n
365 The number of days relative to \fImax\fR before the password expires and the
366 \fIname\fR are warned.
367 .RE

369 .SS "Security"
370 .sp
371 .LP
372 \fBpasswd\fR uses \fBpam\fR(3PAM) for password change. It calls PAM with a
373 service name \fBpasswd\fR and uses service module type \fBauth\fR for
374 authentication and password for password change.
375 .sp
376 .LP
377 Locking an account (\fB-l\fR option) does not allow its use for password based
378 login or delayed execution (such as \fBat\fR(1), \fBbatch\fR(1), or
379 \fBcron\fR(1M)). The \fB-N\fR option can be used to disallow password based
380 login, while continuing to allow delayed execution.
381 .SH OPTIONS
382 .sp
383 .LP
384 The following options are supported:
385 .sp
386 .ne 2
387 .na
388 \fB\fB-a\fR\fR
389 .ad
390 .RS 17n

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391 Shows password attributes for all entries. Use only with the \fB-s\fR option.
392 \fIname\fR must not be provided. For the \fBnisplus\fR repository, this shows
393 only the entries in the NIS+ password table in the local domain that the
394 invoker is authorized to read. For the \fBfiles\fR and \fBldap\fR repositories,
395 this is restricted to the superuser.
396 .RE

398 .sp
399 .ne 2
400 .na
401 \fB\fB-D\fR \fIdomainname\fR\fR
402 .ad
403 .RS 17n
404 Consults the \fBpasswd.org_dir\fR table in \fBdomainname\fR. If this option is
405 not specified, the default \fBdomainname\fR returned by
406 \fBnis_local_directory\fR(3NSL) are used. This domain name is the same as that
407 returned by \fBdomainname\fR(1M).
408 .RE

410 .sp
411 .ne 2
412 .na
413 \fB\fB-e\fR\fR
414 .ad
415 .RS 17n
416 Changes the login shell. The choice of shell is limited by the requirements
417 of \fBgetusershell\fR(3C). If the user currently has a shell that is not
418 allowed by \fBgetusershell\fR, only root can change it.
419 .RE

421 .sp
422 .ne 2
423 .na
424 \fB\fB-g\fR\fR
425 .ad
426 .RS 17n
427 Changes the gecost (finger) information. For the \fBfiles\fR repository, this
428 only works for the superuser. Normal users can change the \fBldap\fR,
429 \fBnis\fR, or \fBnisplus\fR repositories.
430 .RE

432 .sp
433 .ne 2
434 .na
435 \fB\fB-h\fR\fR
436 .ad
437 .RS 17n
438 Changes the home directory.
439 .RE

441 .sp
442 .ne 2
443 .na
444 \fB\fB-r\fR\fR
445 .ad
446 .RS 17n
447 Specifies the repository to which an operation is applied. The supported
448 repositories are \fBfiles\fR, \fBldap\fR, \fBnis\fR, or \fBnisplus\fR.
449 .RE

451 .sp
452 .ne 2
453 .na
454 \fB\fB-s\fR \fIname\fR\fR
455 .ad
456 .RS 17n

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457 Shows password attributes for the login \fIname\fR. For the \fBnisplus\fR
458 repository, this works for everyone. However for the \fBfiles\fR and \fBldap\fR
459 repositories, this only works for the superuser. It does not work at all for
460 the \fBnis\fR repository which does not support password aging.
461 .sp
462 The output of this option, and only this option is Stable and parsable. The
463 format is \fIusername\fR followed by white space followed by one of the
464 following codes.
465 .sp
466 New codes might be added in the future so code that parses this must be
467 flexible in the face of unknown codes. While all existing codes are two
468 characters in length that might not always be the case.
469 .sp
470 The following are the current status codes:
471 .sp
472 .ne 2
473 .na
474 \fB\fB-L\fR\fR
475 .ad
476 .RS 6n
477 Account is locked for UNIX authentication. \fBpasswd -l\fR was run or the
478 Account is locked for UNIX authentication. \fBpasswd -l\fR was run or the
479 authentication failed \fBRETRIES\fR times.
479 .RE

481 .sp
482 .ne 2
483 .na
484 \fB\fB-N\fR\fR
485 .ad
486 .RS 6n
487 The account is a no login account. \fBpasswd -N\fR has been run.
488 .RE

490 .sp
491 .ne 2
492 .na
493 \fB\fB-P\fR\fR
494 .ad
495 .RS 6n
496 Account has no password. \fBpasswd -d\fR was run.
497 .RE

499 .sp
500 .ne 2
501 .na
502 \fB\fB-P\fR\fR
503 .ad
504 .RS 6n
505 The account probably has a valid password.
506 .RE

508 .sp
509 .ne 2
510 .na
511 \fB\fB-U\fR\fR
512 .ad
513 .RS 6n
514 The data in the password field is unknown. It is not a recognizable hashed
515 password or any of the above entries. See \fBcrypt\fR(3C) for valid password
516 hashes.
517 .RE

519 .RE

521 .SS "Privileged User Options"

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522 .sp
523 .LP
524 Only a privileged user can use the following options:
525 .sp
526 .ne 2
527 .na
528 \fB\fB-d\fR\fR
529 .ad
530 .RS 11n
531 Deletes password for \fIname\fR and unlocks the account. The login \fIname\fR
532 is not prompted for password. It is only applicable to the \fBfiles\fR and
533 \fBldap\fR repositories.
534 .sp
535 If the \fBlogin\fR(1) option \fBPASSREQ=YES\fR is configured, the account is
536 not able to login. \fBPASSREQ=YES\fR is the delivered default.
537 .RE

539 .sp
540 .ne 2
541 .na
542 \fB\fB-f\fR\fR
543 .ad
544 .RS 11n
545 Forces the user to change password at the next login by expiring the password
546 for \fIname\fR.
547 .RE

549 .sp
550 .ne 2
551 .na
552 \fB\fB-l\fR\fR
553 .ad
554 .RS 11n
555 Locks password entry for \fIname\fR. See the \fB-d\fR or \fB-u\fR option for
556 unlocking the account.
557 .RE

559 .sp
560 .ne 2
561 .na
562 \fB\fB-N\fR\fR
563 .ad
564 .RS 11n
565 Makes the password entry for name a value that cannot be used for login, but
566 does not lock the account. See the \fB-d\fR option for removing the value, or
567 to set a password to allow logins.
568 .RE

570 .sp
571 .ne 2
572 .na
573 \fB\fB-n\fR \fImin\fR\fR
574 .ad
575 .RS 11n
576 Sets minimum field for \fIname\fR. The \fImin\fR field contains the minimum
577 number of days between password changes for \fIname\fR. If \fImin\fR is greater
578 than \fImax\fR, the user can not change the password. Always use this option
579 with the \fB-x\fR option, unless \fImax\fR is set to \fB\mil\fR (aging turned
580 off). In that case, \fImin\fR need not be set.
581 .RE

583 .sp
584 .ne 2
585 .na
586 \fB\fB-u\fR\fR
587 .ad

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588 .RS 11n
589 Unlocks a locked password for entry name. See the \fB-d\fR option for removing
590 the locked password, or to set a password to allow logins.
591 .RE

593 .sp
594 .ne 2
595 .na
596 \fB\fB-w\fR \fIwarn\fR\fR
597 .ad
598 .RS 11n
599 Sets warn field for \fIname\fR. The \fIwarn\fR field contains the number of
600 days before the password expires and the user is warned. This option is not
601 valid if password aging is disabled.
602 .RE

604 .sp
605 .ne 2
606 .na
607 \fB\fB-x\fR \fImax\fR\fR
608 .ad
609 .RS 11n
610 Sets maximum field for \fIname\fR. The \fImax\fR field contains the number of
611 days that the password is valid for \fIname\fR. The aging for \fIname\fR is
612 turned off immediately if \fImax\fR is set to \fB\mil\fR\&.
613 .RE

615 .SH OPERANDS
616 .sp
617 .LP
618 The following operand is supported:
619 .sp
620 .ne 2
621 .na
622 \fB\fIname\fR\fR
623 .ad
624 .RS 8n
625 User login name.
626 .RE

628 .SH ENVIRONMENT VARIABLES
629 .sp
630 .LP
631 If any of the \fBLC_*\fR variables, that is, \fBLC_CTYPE\fR, \fBLC_MESSAGES\fR,
632 \fBLC_TIME\fR, \fBLC_COLLATE\fR, \fBLC_NUMERIC\fR, and \fBLC_MONETARY\fR (see
633 \fBenvron\fR(5)), are not set in the environment, the operational behavior of
634 \fBpasswd\fR for each corresponding locale category is determined by the value
635 of the \fBLANG\fR environment variable. If \fBLC_ALL\fR is set, its contents
636 are used to override both the \fBLANG\fR and the other \fBLC_*\fR variables. If
637 none of the above variables is set in the environment, the \fBLC\fR (U.S. style)
638 locale determines how \fBpasswd\fR behaves.
639 .sp
640 .ne 2
641 .na
642 \fB\fBLC_CTYPE\fR\fR
643 .ad
644 .RS 15n
645 Determines how \fBpasswd\fR handles characters. When \fBLC_CTYPE\fR is set to a
646 valid value, \fBpasswd\fR can display and handle text and filenames containing
647 valid characters for that locale. \fBpasswd\fR can display and handle Extended
648 Unix Code (\fBEOUC\fR) characters where any individual character can be 1, 2, or
649 3 bytes wide. \fBpasswd\fR can also handle \fBEOUC\fR characters of 1, 2, or
650 more column widths. In the \fBLC\fR locale, only characters from ISO 8859-1 are
651 valid.
652 .RE

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654 .sp
655 .ne 2
656 .na
657 \fB\FBLC_MESSAGES\fR\fR
658 .ad
659 .RS 15n
660 Determines how diagnostic and informative messages are presented. This includes
661 the language and style of the messages, and the correct form of affirmative and
662 negative responses. In the \fB\FB locale, the messages are presented in the
663 default form found in the program itself (in most cases, U.S. English).
664 .RE

666 .SH EXIT STATUS
667 .sp
668 .LP
669 The \fBpasswd\fR command exits with one of the following values:
670 .sp
671 .ne 2
672 .na
673 \fB\FB0\fR\fR
674 .ad
675 .RS 6n
676 Success.
677 .RE

679 .sp
680 .ne 2
681 .na
682 \fB\FB1\fR\fR
683 .ad
684 .RS 6n
685 Permission denied.
686 .RE

688 .sp
689 .ne 2
690 .na
691 \fB\FB2\fR\fR
692 .ad
693 .RS 6n
694 Invalid combination of options.
695 .RE

697 .sp
698 .ne 2
699 .na
700 \fB\FB3\fR\fR
701 .ad
702 .RS 6n
703 Unexpected failure. Password file unchanged.
704 .RE

706 .sp
707 .ne 2
708 .na
709 \fB\FB4\fR\fR
710 .ad
711 .RS 6n
712 Unexpected failure. Password file(s) missing.
713 .RE

715 .sp
716 .ne 2
717 .na
718 \fB\FB5\fR\fR
719 .ad

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720 .RS 6n
721 Password file(s) busy. Try again later.
722 .RE

724 .sp
725 .ne 2
726 .na
727 \fB\FB6\fR\fR
728 .ad
729 .RS 6n
730 Invalid argument to option.
731 .RE

733 .sp
734 .ne 2
735 .na
736 \fB\FB7\fR\fR
737 .ad
738 .RS 6n
739 Aging option is disabled.
740 .RE

742 .sp
743 .ne 2
744 .na
745 \fB\FB8\fR\fR
746 .ad
747 .RS 6n
748 No memory.
749 .RE

751 .sp
752 .ne 2
753 .na
754 \fB\FB9\fR\fR
755 .ad
756 .RS 6n
757 System error.
758 .RE

760 .sp
761 .ne 2
762 .na
763 \fB\FB10\fR\fR
764 .ad
765 .RS 6n
766 Account expired.
767 .RE

769 .SH FILES
770 .sp
771 .ne 2
772 .na
773 \fB\FB/etc/default/passwd\fR\fR
774 .ad
775 .RS 23n
776 Default values can be set for the following flags in \fB/etc/default/passwd\fR.
777 For example: \fB\FBMAXWEEKS=26\fR
778 .sp
779 .ne 2
780 .na
781 \fB\FBDBDIR\fR\fR
782 .ad
783 .RS 16n
784 The directory where the generated dictionary databases reside. Defaults to
785 \fB\FB/var/passwd\fR.

```

```

786 .sp
787 If neither \fBDICTIONLIST\fR nor \fBDICTIONDBDIR\fR is specified, the system
788 does not perform a dictionary check.
789 .RE

791 .sp
792 .ne 2
793 .na
794 \fB\fBDICTIONLIST\fR\fR
795 .ad
796 .RS 16n
797 DICTIONLIST can contain list of comma separated dictionary files such as
798 \fBDICTIONLIST=\fR\fifile1\fR, \fifile2\fR, \fifile3\fR. Each dictionary file
799 contains multiple lines and each line consists of a word and a NEWLINE
800 character (similar to \fB/usr/share/lib/dict/words\fR.) You must specify full
801 pathnames. The words from these files are merged into a database that is used
802 to determine whether a password is based on a dictionary word.
803 .sp
804 If neither \fBDICTIONLIST\fR nor \fBDICTIONDBDIR\fR is specified, the system
805 does not perform a dictionary check.
806 .sp
807 To pre-build the dictionary database, see \fBmkpwdict\fR(1M).
808 .RE

810 .sp
811 .ne 2
812 .na
813 \fB\fBHISTORY\fR\fR
814 .ad
815 .RS 16n
816 Maximum number of prior password history to keep for a user. Setting the
817 \fBHISTORY\fR value to zero (\fB0\fR), or removing the flag, causes the prior
818 password history of all users to be discarded at the next password change by
819 any user. The default is not to define the \fBHISTORY\fR flag. The maximum
820 value is \fB26\fR. Currently, this functionality is enforced only for user
821 accounts defined in the \fBfiles\fR name service (local
822 \fBpasswd\fR(4)/\fBshadow\fR(4)).
823 .RE

825 .sp
826 .ne 2
827 .na
828 \fB\fBMAXREPEATS\fR\fR
829 .ad
830 .RS 16n
831 Maximum number of allowable consecutive repeating characters. If
832 \fBMAXREPEATS\fR is not set or is zero (\fB0\fR), the default is no checks
833 .RE

835 .sp
836 .ne 2
837 .na
838 \fB\fBMAXWEEKS\fR\fR
839 .ad
840 .RS 16n
841 Maximum time period that password is valid.
842 .RE

844 .sp
845 .ne 2
846 .na
847 \fB\fBMINALPHA\fR\fR
848 .ad
849 .RS 16n
850 Minimum number of alpha character required. If \fBMINALPHA\fR is not set, the
851 default is \fB2\fR.

```

```

852 .RE

854 .sp
855 .ne 2
856 .na
857 \fB\fBMINDIFF\fR\fR
858 .ad
859 .RS 16n
860 Minimum differences required between an old and a new password. If
861 \fBMINDIFF\fR is not set, the default is \fB3\fR.
862 .RE

864 .sp
865 .ne 2
866 .na
867 \fB\fBMINDIGIT\fR\fR
868 .ad
869 .RS 16n
870 Minimum number of digits required. If \fBMINDIGIT\fR is not set or is set to
871 zero (\fB0\fR), the default is no checks. You cannot specify \fBMINDIGIT\fR
872 if \fBMINNONALPHA\fR is also specified.
873 .RE

875 .sp
876 .ne 2
877 .na
878 \fB\fBMINLOWER\fR\fR
879 .ad
880 .RS 16n
881 Minimum number of lower case letters required. If not set or zero (0), the
882 default is no checks.
883 .RE

885 .sp
886 .ne 2
887 .na
888 \fB\fBMINNONALPHA\fR\fR
889 .ad
890 .RS 16n
891 Minimum number of non-alpha (including numeric and special) required. If
892 \fBMINNONALPHA\fR is not set, the default is \fB1\fR. You cannot specify
893 \fBMINNONALPHA\fR if \fBMINDIGIT\fR or \fBMINSPECIAL\fR is also specified.
894 .RE

896 .sp
897 .ne 2
898 .na
899 \fB\fBMINWEEKS\fR\fR
900 .ad
901 .RS 16n
902 Minimum time period before the password can be changed.
903 .RE

905 .sp
906 .ne 2
907 .na
908 \fB\fBMINSPECIAL\fR\fR
909 .ad
910 .RS 16n
911 Minimum number of special (non-alpha and non-digit) characters required. If
912 \fBMINSPECIAL\fR is not set or is zero (\fB0\fR), the default is no checks. You
913 cannot specify \fBMINSPECIAL\fR if you also specify \fBMINNONALPHA\fR.
914 .RE

916 .sp
917 .ne 2

```

```

918 .na
919 \fB\fBMINUPPER\fR\fR
920 .ad
921 .RS 16n
922 Minimum number of upper case letters required. If \fBMINUPPER\fR is not set or
923 is zero (\fB0\fR), the default is no checks.
924 .RE

926 .sp
927 .ne 2
928 .na
929 \fB\fBNAMECHECK\fR\fR
930 .ad
931 .RS 16n
932 Enable/disable checking or the login name. The default is to do login name
933 checking. A case insensitive value of \fBno\fR disables this feature.
934 .RE

936 .sp
937 .ne 2
938 .na
939 \fB\fBPASSLENGTH\fR\fR
940 .ad
941 .RS 16n
942 Minimum length of password, in characters.
943 .RE

945 .sp
946 .ne 2
947 .na
948 \fB\fBWARNWEEKS\fR\fR
949 .ad
950 .RS 16n
951 Time period until warning of date of password's ensuing expiration.
952 .RE

954 .sp
955 .ne 2
956 .na
957 \fB\fBWHITESPACE\fR\fR
958 .ad
959 .RS 16n
960 Determine if white space characters are allowed in passwords. Valid values are
961 \fBYES\fR and \fBNO\fR. If \fBWHITESPACE\fR is not set or is set to \fBYES\fR,
962 white space characters are allowed.
963 .RE

965 .RE

967 .sp
968 .ne 2
969 .na
970 \fB\fB/etc/oshadow\fR\fR
971 .ad
972 .RS 23n
973 Temporary file used by \fBpasswd\fR, \fBpassmgmt\fR and \fBpwconv\fR to update
974 the real shadow file.
975 .RE

977 .sp
978 .ne 2
979 .na
980 \fB\fB/etc/passwd\fR\fR
981 .ad
982 .RS 23n
983 Password file.

```

```

984 .RE

986 .sp
987 .ne 2
988 .na
989 \fB\fB/etc/shadow\fR\fR
990 .ad
991 .RS 23n
992 Shadow password file.
993 .RE

995 .sp
996 .ne 2
997 .na
998 \fB\fB/etc/shells\fR\fR
999 .ad
1000 .RS 23n
1001 Shell database.
1002 .RE

1004 .SH ATTRIBUTES
1005 .sp
1006 .LP
1007 See \fBattributes\fR(5) for descriptions of the following attributes:
1008 .sp

1010 .sp
1011 .TS
1012 box;
1013 c | c
1014 l | l .
1015 ATTRIBUTE TYPE ATTRIBUTE VALUE
1016 -
1017 CSI Enabled
1018 -
1019 Interface Stability See below.
1020 .TE

1022 .sp
1023 .LP
1024 The human readable output is Uncommitted. The options are Committed.
1025 .SH SEE ALSO
1026 .sp
1027 .LP
1028 \fBbat\fR(1), \fBbatch\fR(1), \fBfinger\fR(1), \fBkpasswd\fR(1), \fBlogin\fR(1),
1029 \fBnristbladm\fR(1), \fBcron\fR(1M), \fBdomainname\fR(1M), \fBbeeprom\fR(1M),
1030 \fBbid\fR(1M), \fBldapclient\fR(1M), \fBmkpwdict\fR(1M), \fBpassmgmt\fR(1M),
1031 \fBpwconv\fR(1M), \fBsu\fR(1M), \fBuseradd\fR(1M), \fBuserdel\fR(1M),
1032 \fBusermod\fR(1M), \fBcrypt\fR(3C), \fBgetpwnam\fR(3C), \fBgetspnam\fR(3C),
1033 \fBgetusershell\fR(3C), \fBnis_local_directory\fR(3NSL), \fBpam\fR(3PAM),
1034 \fBloginlog\fR(4), \fBnsswitch.conf\fR(4), \fBpam.conf\fR(4), \fBpasswd\fR(4),
1035 \fBpolicy.conf\fR(4), \fBshadow\fR(4), \fBshells\fR(4), \fBattributes\fR(5),
1036 \fBenvron\fR(5), \fBpam_authok_check\fR(5), \fBpam_authok_get\fR(5),
1037 \fBpam_authok_store\fR(5), \fBpam_dhkeys\fR(5), \fBpam_ldap\fR(5),
1038 \fBpam_unix_account\fR(5), \fBpam_unix_auth\fR(5), \fBpam_unix_session\fR(5)
1039 .SH NOTES
1040 .sp
1041 .LP
1042 The \fBpam_unix\fR(5) module is no longer supported. Similar functionality is
1043 provided by \fBpam_unix_account\fR(5), \fBpam_unix_auth\fR(5),
1044 \fBpam_unix_session\fR(5), \fBpam_authok_check\fR(5),
1045 \fBpam_authok_get\fR(5), \fBpam_authok_store\fR(5), \fBpam_dhkeys\fR(5), and
1046 \fBpam_passwd_auth\fR(5).
1047 .sp
1048 .LP
1049 The \fBnispasswd\fR and \fBypasswd\fR commands are wrappers around

```


1050 \fBpasswd\fR. Use of \fBnispasswd\fR and \fBypasswd\fR is discouraged. Use
1051 \fBpasswd\fR \fB-r\fR \fIrepository_name\fR instead.
1052 .sp
1053 .LP
1054 NIS+ might not be supported in future releases of the Solaris operating system.
1055 Tools to aid the migration from NIS+ to LDAP are available in the current
1056 Solaris release. For more information, visit
1057 <http://www.sun.com/directory/nisplus/transition.html>.
1058 .sp
1059 .LP
1060 Changing a password in the \fBfiles\fR and \fBldap\fR repositories clears the
1061 failed login count.
1062 .sp
1063 .LP
1064 Changing a password reactivates an account deactivated for inactivity for the
1065 length of the inactivity period.
1066 .sp
1067 .LP
1068 If \fB/etc/shells\fR is present, and is corrupted, it may provide an attack
1069 vector that would compromise the system. The \fBgetusershell\fR(3c) library
1070 call has a pre-vetted list of shells, so \fB/etc/shells\fR should be used with
1071 caution.
1072 .sp
1073 .LP
1074 Input terminal processing might interpret some key sequences and not pass them
1075 to the \fBpasswd\fR command.
1076 .sp
1077 .LP
1078 An account with no password, status code \fBNP\fR, might not be able to login.
1079 See the \fBlogin\fR(1) \fBPASSREQ\fR option.