

Jiahui Tang

## 1.2. Count URL Access Frequency (10 points)

Develop a MapReduce job to find the frequency of each URL in a web server log. Use the design patterns explained in class. The output should be the URLs and their frequency. You can use as input file the sample Apache log file `access_log` (downloaded from <http://www.monitorware.com/>).

```
$ ./P12_mapper.py < access_log | sort | ./P12_reducer.py
```

### Submission

- `P12_mapper.py`: Mapper script
- `P12_reducer.py`: Reducer script
- `P12.pdf`: The command line that you used to execute the job and any information required to reproduce the execution

### Command Line Used:

```
./P12_mapper.py < access_log | sort | ./P12_reducer.py
```

### Output:

```
* 1
/ 47
/AmavisNew.html 11
/DCC.html 2
/LateEmail.html 4
/M83A 1
/MSOffice/cltreq.asp?UL=1&ACT=4&BUILD=2614&STRMVER=4&CAPREQ=0 1
/RBL.html 5
/SpamAssassin.html 12
/_vti_bin/owssvr.dll?UL=1&ACT=4&BUILD=2614&STRMVER=4&CAPREQ=0 1
/antivirus.html 1
/cgi-bin/mailgraph.cgi/mailgraph_0.png 16
/cgi-bin/mailgraph.cgi/mailgraph_0_err.png 16
/cgi-bin/mailgraph.cgi/mailgraph_1.png 16
/cgi-bin/mailgraph.cgi/mailgraph_1_err.png 16
/cgi-bin/mailgraph.cgi/mailgraph_2.png 16
/cgi-bin/mailgraph.cgi/mailgraph_2_err.png 16
/cgi-bin/mailgraph.cgi/mailgraph_3.png 16
/cgi-bin/mailgraph.cgi/mailgraph_3_err.png 16
/cgi-bin/mailgraph2.cgi 16
/clients.html 4
/dccstats/ 2
/dccstats/index.html 14
/dccstats/stats-hashes.1month.png 15
/dccstats/stats-hashes.1week.png 15
/dccstats/stats-hashes.1year.png 15
/dccstats/stats-spam-ratio.1day.png 15
/dccstats/stats-spam-ratio.1month.png 15
/dccstats/stats-spam-ratio.1week.png 15
/dccstats/stats-spam-ratio.1year.png 15
/dccstats/stats-spam.1day.png 15
/dccstats/stats-spam.1month.png 15
/dccstats/stats-spam.1week.png 15
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/dccstats/stats-spam.1year.png 15
/favicon.ico 28
/icons/PythonPowered.png 37
/icons/gnu-head-tiny.jpg 37
/icons/mailman.jpg 37
/ie.htm 8
/images/image004.jpg 8
/images/image005.jpg 8
/images/msgops.JPG 8
/mailman 6
/mailman/admin 2
/mailman/admin/artsscience 1
/mailman/admin/deans 1
/mailman/admin/educationadmin 1
/mailman/admin/fcd 1
/mailman/admin/gisgrad 1
/mailman/admin/hs_rcafaculty 1
/mailman/admin/hs_support 1
/mailman/admin/jjec 1
/mailman/admin/mlc 1
/mailman/admin/ncbnpfaculty 1
/mailman/admin/ppwc 12
/mailman/admin/ppwc/?VARHELP=general/owner 1
/mailman/admin/ppwc/gateway 2
/mailman/admin/ppwc/general 2
/mailman/admin/ppwc/logout 2
/mailman/admin/ppwc/members 4
/mailman/admin/ppwc/members/add 2
/mailman/admin/ppwc/members/list 1
/mailman/admin/ppwc/members?letter=n 1
/mailman/admin/ppwc/members?letter=p 6
/mailman/admin/ppwc/passwords 1
/mailman/admin/sswk 1
/mailman/admin/webber 1
/mailman/admin/webct 1
/mailman/admindb/ppwc 3
/mailman/listinfo 11
/mailman/listinfo/administration 3
/mailman/listinfo/artsscience 1
/mailman/listinfo/business 1
/mailman/listinfo/cnc_forestry 1
/mailman/listinfo/cnc_notice 1
/mailman/listinfo/cncce 2
/mailman/listinfo/deans 1
/mailman/listinfo/dentalstudies 1
/mailman/listinfo/faculty 1
/mailman/listinfo/fcd 1
/mailman/listinfo/fnac 1
/mailman/listinfo/gisgrad 1
/mailman/listinfo/hs_rcafaculty 1
/mailman/listinfo/hs_support 1
/mailman/listinfo/hsdivision 1
/mailman/listinfo/jjec 1
/mailman/listinfo/mgt-157 1
/mailman/listinfo/mlc 1
/mailman/listinfo/ncbnpfaculty 1
/mailman/listinfo/ppwc 13
/mailman/listinfo/purchasing 1

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/mailman/listinfo/techcomm 1
/mailman/listinfo/webber 4
/mailman/listinfo/webct 1
/mailman/options/cnc_notice 2
/mailman/options/cnc_notice/arobin%40shaw.c 1
/mailman/options/ppwc/ppwctwenty-nine--at--shaw.com 1
/mailman/options/ppwc/ppwctwenty-nine@shaw.com 1
/mailman/private/artsscience/ 1
/mailman/private/business/ 1
/mailman/private/dentalstudies/ 1
/mailman/private/hs_support/ 1
/mailman/private/hsdivision/ 1
/mailman/private/mlc/ 1
/mailman/private/sswk/ 1
/pipermail/cipg/2003-november.txt 1
/pipermail/cnc_notice/2003-December.txt 1
/pipermail/cnc_notice/2003-December/000002.html 1
/pipermail/cnc_notice/2004-February.txt 1
/pipermail/cncce/2004-January.txt 1
/pipermail/cncce/2004-January/000001.html 3
/pipermail/cncce/2004-January/000002.html 1
/pipermail/fcd/ 1
/pipermail/gisgrad/ 1
/pipermail/techcomm/ 1
/pipermail/webber/ 1
/pipermail/webber/2004-January/000000.html 1
/razor.html 26
/rejected.html 1
/rfc.html 1
/robots.txt 27
/twiki/ 1
/twiki/bin/attach/Main/ConfigurationVariables 1
/twiki/bin/attach/Main/OfficeLocations 1
/twiki/bin/attach/Main/PostfixCommands 1
/twiki/bin/attach/Main/SpamAssassinAndPostFix 1
/twiki/bin/attach/Main/TWikiGroups 1
/twiki/bin/attach/Main/TWikiGuest 1
/twiki/bin/attach/Main/WebPreferences 1
/twiki/bin/attach/Sandbox/WebHome 1
/twiki/bin/attach/TWiki/AndreaSterbini 1
/twiki/bin/attach/TWiki/DefaultPlugin 1
/twiki/bin/attach/TWiki/HaroldGottschalk 1
/twiki/bin/attach/TWiki/InterWikis 1
/twiki/bin/attach/TWiki/KevinKinnell 1
/twiki/bin/attach/TWiki/TWikiDocGraphics?filename=pencil.gif&revInfo=1 1
/twiki/bin/attach/TWiki/TWikiDocGraphics?filename=viewtopic.gif&revInfo=1
1
/twiki/bin/attach/TWiki/TWikiSite 1
/twiki/bin/attach/TWiki/TablePlugin 1
/twiki/bin/attach/TWiki/WebPreferences 1
/twiki/bin/attach/TWiki/WebSearch 1
/twiki/bin/edit/Main/Allow_min_user?
topicparent=Main.ConfigurationVariables 1
/twiki/bin/edit/Main/Allow_untrusted_routing?
topicparent=Main.ConfigurationVariables 1
/twiki/bin/edit/Main/Always_bcc?topicparent=Main.ConfigurationVariables 1
/twiki/bin/edit/Main/Berkeley_db_create_buffer_size?
topicparent=Main.ConfigurationVariables 1

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/twiki/bin/edit/Main/BookView?topicparent=Main.TWikiVariables 1
/twiki/bin/edit/Main/Cleanup_service_name?
topicparent=Main.ConfigurationVariables 1
/twiki/bin/edit/Main/Daemon_directory?
topicparent=Main.ConfigurationVariables 1
/twiki/bin/edit/Main/Default_delivery_slot_discount?
topicparent=Main.ConfigurationVariables 1
/twiki/bin/edit/Main/Defer_transports?
topicparent=Main.ConfigurationVariables 1
/twiki/bin/edit/Main/Delay_notice_recipient?
topicparent=Main.ConfigurationVariables 1
/twiki/bin/edit/Main/Delay_warning_time?
topicparent=Main.ConfigurationVariables 1
/twiki/bin/edit/Main/Deliver_lock_attempts?
topicparent=Main.ConfigurationVariables 1
/twiki/bin/edit/Main/Double_bounce_sender?
topicparent=Main.ConfigurationVariables 1
/twiki/bin/edit/Main/Expand_owner_alias?
topicparent=Main.ConfigurationVariables 1
/twiki/bin/edit/Main/Export_environment?
topicparent=Main.ConfigurationVariables 1
/twiki/bin/edit/Main/Fast_flush_domains?
topicparent=Main.ConfigurationVariables 1
/twiki/bin/edit/Main/Flush_service_name?
topicparent=Main.ConfigurationVariables 1
/twiki/bin/edit/Main/Forward_expansion_filter?
topicparent=Main.ConfigurationVariables 1
/twiki/bin/edit/Main/Header_address_token_limit?
topicparent=Main.ConfigurationVariables 1
/twiki/bin/edit/Main/Header_checks?
topicparent=Main.ConfigurationVariables 1
/twiki/bin/edit/Main/Ignore_mx_lookup_error?
topicparent=Main.ConfigurationVariables 1
/twiki/bin/edit/Main/Invalid_hostname_reject_code?
topicparent=Main.ConfigurationVariables 1
/twiki/bin/edit/Main/KevinWGagel?t=1078670331 1
/twiki/bin/edit/Main/Lmtp_connect_timeout?
topicparent=Main.ConfigurationVariables 1
/twiki/bin/edit/Main/Lmtp_mail_timeout?
topicparent=Main.ConfigurationVariables 1
/twiki/bin/edit/Main/Lmtp_quit_timeout?
topicparent=Main.ConfigurationVariables 1
/twiki/bin/edit/Main/Local_recipient_maps?
topicparent=Main.ConfigurationVariables 1
/twiki/bin/edit/Main/Mail_release_date?
topicparent=Main.ConfigurationVariables 1
/twiki/bin/edit/Main/Mailq_path?topicparent=Main.ConfigurationVariables 1
/twiki/bin/edit/Main/Maps_rbl_reject_code?
topicparent=Main.ConfigurationVariables 1
/twiki/bin/edit/Main/Masquerade_classes?
topicparent=Main.ConfigurationVariables 1
/twiki/bin/edit/Main/Max_idle?topicparent=Main.ConfigurationVariables 1
/twiki/bin/edit/Main/Max_use?topicparent=Main.ConfigurationVariables 1
/twiki/bin/edit/Main/Message_size_limit?
topicparent=Main.ConfigurationVariables 1
/twiki/bin/edit/Main/Mydestination?
topicparent=Main.ConfigurationVariables 1
/twiki/bin/edit/Main/OfficeLocations?t=1078691049 1

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/twiki/bin/edit/Main/PostConf?topicparent=Main.PostfixCommands 2
/twiki/bin/edit/Main/Propagate_unmatched_extensions?
topicparent=Main.ConfigurationVariables 1
/twiki/bin/edit/Main/Qmqpd_authorized_clients?
topicparent=Main.ConfigurationVariables 1
/twiki/bin/edit/Main/RBLsHowTo?t=1078668449 1
/twiki/bin/edit/Main/RazorAndPostFix?topicparent=Main.WebHome 1
/twiki/bin/edit/Main/Relayhost?topicparent=Main.ConfigurationVariables 2
/twiki/bin/edit/Main/Sender_canonical_maps?
topicparent=Main.ConfigurationVariables 1
/twiki/bin/edit/Main/Setgid_group?topicparent=Main.ConfigurationVariables
1
/twiki/bin/edit/Main/Smtp_data_init_timeout?
topicparent=Main.ConfigurationVariables 1
/twiki/bin/edit/Main/Smtp_line_length_limit?
topicparent=Main.ConfigurationVariables 1
/twiki/bin/edit/Main/Smtp_pix_workaround_delay_time?
topicparent=Main.ConfigurationVariables 1
/twiki/bin/edit/Main/Smtpd_banner?topicparent=Main.ConfigurationVariables
1
/twiki/bin/edit/Main/Smtpd_etrn_restrictions?
topicparent=Main.ConfigurationVariables 1
/twiki/bin/edit/Main/Smtpd_history_flush_threshold?
topicparent=Main.ConfigurationVariables 1
/twiki/bin/edit/Main/SpamAssassin?t=1078709979 1
/twiki/bin/edit/Main/Strict_8bitmime?
topicparent=Main.ConfigurationVariables 1
/twiki/bin/edit/Main/Syslog_name?topicparent=Main.ConfigurationVariables
1
/twiki/bin/edit/Main/TWikiForms?topicparent=Main.TWikiVariables 1
/twiki/bin/edit/Main/TWikiGuest?t=1078713282 1
/twiki/bin/edit/Main/TWikiPreferences?topicparent=Main.WebHome 1
/twiki/bin/edit/Main/TestArea?topicparent=Main.WebHome 1
/twiki/bin/edit/Main/TokyoOffice?t=1078706364 1
/twiki/bin/edit/Main/Trigger_timeout?
topicparent=Main.ConfigurationVariables 1
/twiki/bin/edit/Main/Undisclosed_recipients_header?
topicparent=Main.ConfigurationVariables 1
/twiki/bin/edit/Main/Unknown_local_recipient_reject_code?
topicparent=Main.ConfigurationVariables 1
/twiki/bin/edit/Main/Unknown_virtual_mailbox_reject_code?
topicparent=Main.ConfigurationVariables 1
/twiki/bin/edit/Main/UvscanAndPostFix?topicparent=Main.WebHome 2
/twiki/bin/edit/Main/Virtual_gid_maps?
topicparent=Main.ConfigurationVariables 1
/twiki/bin/edit/Main/Virtual_mailbox_lock?
topicparent=Main.ConfigurationVariables 1
/twiki/bin/edit/Main/WebSearch?t=1078669682 1
/twiki/bin/edit/Main/WebStatistics?t=1078690975 1
/twiki/bin/edit/Main/WelcomeGuest?topicparent=Main.WebHome 1
/twiki/bin/edit/Sandbox/TestTopic2?topicparent=Sandbox.WebHome 1
/twiki/bin/edit/Sandbox/TestTopic5?topicparent=Sandbox.WebHome 1
/twiki/bin/edit/Sandbox/TestTopic6?topicparent=Sandbox.WebHome 1
/twiki/bin/edit/Sandbox/TestTopic7?topicparent=Sandbox.WebHome 1
/twiki/bin/edit/TWiki/AppendixFileSystem?t=1078674582 1
/twiki/bin/edit/TWiki/DefaultPlugin?t=1078688936 1
/twiki/bin/edit/TWiki/HaroldGottschalk?t=1078717948 1
/twiki/bin/edit/TWiki/InterWikis?t=1078696998 1

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/twiki/bin/edit/TWiki/KevinKinnell?t=1078692967 1
/twiki/bin/edit/TWiki/KlausWriessnegger?t=1078709735 1
/twiki/bin/edit/TWiki/NewTopic?topicparent=TWiki.WikiSyntax 1
/twiki/bin/edit/TWiki/RichardDonkin?t=1078691832 1
/twiki/bin/edit/TWiki/RyanFreebern?t=1078701457 1
/twiki/bin/edit/TWiki/SvenDowideit?t=1078710644 1
/twiki/bin/edit/TWiki/TWikiCodevFeatureToDo?
topicparent=TWiki.TWikiHistory 1
/twiki/bin/edit/TWiki/TWikiCodevTWikiEnhancementRequests?
topicparent=TWiki.TWikiHistory 1
/twiki/bin/edit/TWiki/TWikiCodevTWikiPlannedFeatures?
topicparent=TWiki.TWikiHistory 1
/twiki/bin/edit/TWiki/TWikiPages?topicparent=TWiki.WelcomeGuest 1
/twiki/bin/edit/TWiki/TWikiPlugins?t=1078696313 1
/twiki/bin/edit/TWiki/TWikiRegistration?t=1078670224 1
/twiki/bin/edit/TWiki/TWikiSite?t=1078681794 1
/twiki/bin/edit/TWiki/TWikiVariables?t=1078684115 1
/twiki/bin/edit/TWiki/TablePlugin?t=1078681446 1
/twiki/bin/edit/TWiki/TestArea?topicparent=TWiki.WelcomeGuest 1
/twiki/bin/edit/TWiki/TextFormattingFAQ?t=1075982736 1
/twiki/bin/edit/TWiki/UnchangeableTopicBug?topicparent=TWiki.TWikiHistory
1
/twiki/bin/edit/TWiki/WebNotification?
topicparent=TWiki.TWikiUpgradeTo01May2000 1
/twiki/bin/edit/TWiki/WebSiteTools?t=1078731408 1
/twiki/bin/edit/TWiki/WikiNotation?t=1078726052 1
/twiki/bin/edit/TWiki/WikiStyleWord?topicparent=TWiki.TextFormattingFAQ 1
/twiki/bin/oops/Know/PublicSupported 1
/twiki/bin/oops/Know/TopicClassification 1
/twiki/bin/oops/Know/WebStatistics 1
/twiki/bin/oops/Know/WinDoze95Crash 1
/twiki/bin/oops/Main/DCC?template=oopsmore&param1=1.1&param2=1.1 1
/twiki/bin/oops/Main/DCCAndPostFix?
template=oopsmore&param1=1.2&param2=1.2 1
/twiki/bin/oops/Main/FileAttachment?
template=oopsmore&param1=1.3&param2=1.3 1
/twiki/bin/oops/Main/KevinWGage 1
/twiki/bin/oops/Main/Mi 1
/twiki/bin/oops/Main/NicholasLee?template=oopsmore&param1=1.2&param2=1.2
1
/twiki/bin/oops/Main/Smtpd_recipient_limit 1
/twiki/bin/oops/Main/SpamAssassinTaggingOnly 1
/twiki/bin/oops/Main/T 1
/twiki/bin/oops/Main/TWi 1
/twiki/bin/oops/Main/TWiki 1
/twiki/bin/oops/Main/TWikiUsers 1
/twiki/bin/oops/Main/ThanadonSomdee 1
/twiki/bin/oops/Main/WebChanges?template=oopsmore&param1=1.2&param2=1.2 1
/twiki/bin/oops/Main/WebHome?template=oopsmore&param1=1.28&param2=1.28 1
/twiki/bin/oops/Main/WebHome?template=oopsmore&param1=1.28&param2=1.8 1
/twiki/bin/oops/Main/WebStatistics 1
/twiki/bin/oops/Sandbox/WebChanges 1
/twiki/bin/oops/Sandbox/WebHome?template=oopsmore&param1=1.7&param2=1.7 1
/twiki/bin/oops/Sandbox/WebStatistics 1
/twiki/bin/oops/TWiki/1000 1
/twiki/bin/oops/TWiki/AppendixFileSystem?
template=oopsmore&param1=1.12&param2=1.12 2
/twiki/bin/oops/TWiki/DefaultPlugin?

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template=oopsmore&param1=1.5&param2=1.5 1
/twiki/bin/oops/TWiki/FileAttachment 1
/twiki/bin/oops/TWiki/HaroldGottschalk?
template=oopsmore&param1=1.3&param2=1.3 1
/twiki/bin/oops/TWiki/InterWikis 1
/twiki/bin/oops/TWiki/InterwikiPlugin 1
/twiki/bin/oops/TWiki/JohnAltstadt 1
/twiki/bin/oops/TWiki/Mana 1
/twiki/bin/oops/TWiki/MoveTopic 1
/twiki/bin/oops/TWiki/NicholasLee 1
/twiki/bin/oops/TWiki/RegularExp 1
/twiki/bin/oops/TWiki/ResetPassword?
template=oopsmore&param1=1.4&param2=1.4 1
/twiki/bin/oops/TWiki/RichardDonkin?
template=oopsmore&param1=1.2&param2=1.2 1
/twiki/bin/oops/TWiki/RyanFreebern?
template=oopsmore&param1=1.2&param2=1.2 1
/twiki/bin/oops/TWiki/SvenDowideit 1
/twiki/bin/oops/TWiki/TWikiAccessControl 1
/twiki/bin/oops/TWiki/TWikiHistory?
template=oopsmore&param1=1.61&param2=1.61 1
/twiki/bin/oops/TWiki/TWikiPlannedFeatures 1
/twiki/bin/oops/TWiki/TWikiPlugins?
template=oopsmore&param1=1.21&param2=1.21 1
/twiki/bin/oops/TWiki/TWikiSite?template=oopsmore&param1=1.21&param2=1.21
1
/twiki/bin/oops/TWiki/TWikiVariables 1
/twiki/bin/oops/TWiki/TWikiVariables?
template=oopsmore&param1=1.62&param2=1.62 1
/twiki/bin/oops/TWiki/TablePlugin 1
/twiki/bin/oops/TWiki/TextFormattingFAQ?
template=oopsmore&param1=1.14&param2=1.14 1
/twiki/bin/oops/TWiki/TextFormattingRules 1
/twiki/bin/oops/TWiki/TextFormattingRules?
template=oopsmore&param1=1.37&param2=1.37 1
/twiki/bin/oops/TWiki/WebChangesAlert 1
/twiki/bin/oops/TWiki/WelcomeGuest?
template=oopsmore&param1=1.20&param2=1.20 1
/twiki/bin/oops/TWiki/Wik 1
/twiki/bin/oops/TWiki/WikiCulture?template=oopsmore&param1=1.8&param2=1.8
1
/twiki/bin/oops/TWiki/WikiNotation?
template=oopsmore&param1=1.3&param2=1.3 1
/twiki/bin/oops/TWiki/WikiTopic 1
/twiki/bin/oops/TWiki/WikiWikiClones 1
/twiki/bin/rdiff/Know/ReadmeFirst?rev1=1.5&rev2=1.4 1
/twiki/bin/rdiff/Know/ReadmeFirst?rev1=1.6&rev2=1.5 1
/twiki/bin/rdiff/Main/AndreaSterbini 1
/twiki/bin/rdiff/Main/ConfigurationVariables 1
/twiki/bin/rdiff/Main/ConfigurationVariables?rev1=1.2&rev2=1.1 1
/twiki/bin/rdiff/Main/NicholasLee 1
/twiki/bin/rdiff/Main/PeterThoeny 2
/twiki/bin/rdiff/Main/PostQueue 1
/twiki/bin/rdiff/Main/RelayGateway?rev1=1.2&rev2=1.1 1
/twiki/bin/rdiff/Main/RelayGateway?rev1=1.3&rev2=1.2 1
/twiki/bin/rdiff/Main/SanJoseOffice 1
/twiki/bin/rdiff/Main/SpamAssassin 1
/twiki/bin/rdiff/Main/SpamAssassinAndPostFix?rev1=1.2&rev2=1.1 1

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/twiki/bin/rdiff/Main/TWikiGroups?rev1=1.3&rev2=1.2 1
/twiki/bin/rdiff/Main/TWikiGuest 1
/twiki/bin/rdiff/Main/TWikiGuest?rev1=1.5&rev2=1.4 1
/twiki/bin/rdiff/Main/TokyoOffice?rev1=1.2&rev2=1.1 1
/twiki/bin/rdiff/Main/VishaalGolam 1
/twiki/bin/rdiff/Main/WebChanges 1
/twiki/bin/rdiff/Main/WebChanges?rev1=1.2&rev2=1.1 1
/twiki/bin/rdiff/Main/WebHome 1
/twiki/bin/rdiff/Main/WebHome?rev1=1.28&rev2=1.27 2
/twiki/bin/rdiff/Main/WebIndex 1
/twiki/bin/rdiff/Main/WebIndex?rev1=1.2&rev2=1.1 1
/twiki/bin/rdiff/Main/WebNotify 1
/twiki/bin/rdiff/Main/WebPreferences?rev1=1.14&rev2=1.13 1
/twiki/bin/rdiff/Main/WebRss 1
/twiki/bin/rdiff/Main/WebTopicList 1
/twiki/bin/rdiff/Sandbox/WebTopicList 1
/twiki/bin/rdiff/TWiki/AdminSkillsAssumptions 1
/twiki/bin/rdiff/TWiki/AdrianLynch 1
/twiki/bin/rdiff/TWiki/AlWilliams?rev1=1.2&rev2=1.1 1
/twiki/bin/rdiff/TWiki/AlWilliams?rev1=1.3&rev2=1.2 1
/twiki/bin/rdiff/TWiki/AppendixFileSystem?rev1=1.11&rev2=1.10 1
/twiki/bin/rdiff/TWiki/ChangePassword 1
/twiki/bin/rdiff/TWiki/DefaultPlugin 1
/twiki/bin/rdiff/TWiki/DefaultPlugin?rev1=1.5&rev2=1.4 1
/twiki/bin/rdiff/TWiki/DeleteOrRenameATopic 1
/twiki/bin/rdiff/TWiki/EditDoesNotIncreaseTheRevision 1
/twiki/bin/rdiff/TWiki/FileAttribute 1
/twiki/bin/rdiff/TWiki/HaroldGottschalk?rev1=1.2&rev2=1.1 1
/twiki/bin/rdiff/TWiki/IncludeTopicsAndWebPages 1
/twiki/bin/rdiff/TWiki/InstantEnhancements 1
/twiki/bin/rdiff/TWiki/KevinKinnell?rev1=1.4&rev2=1.3 1
/twiki/bin/rdiff/TWiki/KevinKinnell?rev1=1.5&rev2=1.4 1
/twiki/bin/rdiff/TWiki/KlausWriessnegger?rev1=1.2&rev2=1.1 1
/twiki/bin/rdiff/TWiki/ManagingTopics?rev1=1.16&rev2=1.15 1
/twiki/bin/rdiff/TWiki/NewUserTemplate?rev1=1.3&rev2=1.2 1
/twiki/bin/rdiff/TWiki/PeterFokkinga?rev1=1.4&rev2=1.3 1
/twiki/bin/rdiff/TWiki/RichardDonkin?rev1=1.2&rev2=1.1 1
/twiki/bin/rdiff/TWiki/RyanFreebern?rev1=1.2&rev2=1.1 1
/twiki/bin/rdiff/TWiki/SearchDoesNotWork 1
/twiki/bin/rdiff/TWiki/SimultaneousEdits 1
/twiki/bin/rdiff/TWiki/StanleyKnutson 1
/twiki/bin/rdiff/TWiki/SvenDowideit 1
/twiki/bin/rdiff/TWiki/SvenDowideit?rev1=1.2&rev2=1.1 1
/twiki/bin/rdiff/TWiki/TWikiDocGraphics?rev1=1.11&rev2=1.10 1
/twiki/bin/rdiff/TWiki/TWikiDownload 1
/twiki/bin/rdiff/TWiki/TWikiEnhancementRequests 1
/twiki/bin/rdiff/TWiki/TWikiFAQ 1
/twiki/bin/rdiff/TWiki/TWikiHistory 1
/twiki/bin/rdiff/TWiki/TWikiHistory?rev1=1.10&rev2=1.9 1
/twiki/bin/rdiff/TWiki/TWikiHistory?rev1=1.61&rev2=1.60 1
/twiki/bin/rdiff/TWiki/TWikiHistory?rev1=1.8&rev2=1.7 1
/twiki/bin/rdiff/TWiki/TWikiPlannedFeatures 1
/twiki/bin/rdiff/TWiki/TWikiPlugins?rev1=1.20&rev2=1.19 1
/twiki/bin/rdiff/TWiki/TWikiPreferences?rev1=1.47&rev2=1.46 1
/twiki/bin/rdiff/TWiki/TWikiRegistration 1
/twiki/bin/rdiff/TWiki/TWikiRegistration?rev1=1.10&rev2=1.9 1
/twiki/bin/rdiff/TWiki/TWikiSite 1
/twiki/bin/rdiff/TWiki/TWikiSkins?rev1=1.10&rev2=1.9 1

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/twiki/bin/rdiff/TWiki/TWikiSkins?rev1=1.11&rev2=1.10 1
/twiki/bin/rdiff/TWiki/TWikiTopics 1
/twiki/bin/rdiff/TWiki/TextFormattingRules?rev1=1.36&rev2=1.35 1
/twiki/bin/rdiff/TWiki/WebChanges 1
/twiki/bin/rdiff/TWiki/WebChangesAlert 1
/twiki/bin/rdiff/TWiki/WebHome 1
/twiki/bin/rdiff/TWiki/WebNotify 2
/twiki/bin/rdiff/TWiki/WebPreferences 1
/twiki/bin/rdiff/TWiki/WebRss 1
/twiki/bin/rdiff/TWiki/WebSearch 1
/twiki/bin/rdiff/TWiki/WebSiteTools?rev1=1.2&rev2=1.1 1
/twiki/bin/rdiff/TWiki/WebTopicEditTemplate 1
/twiki/bin/rdiff/TWiki/WebTopicEditTemplate?rev1=1.5&rev2=1.4 1
/twiki/bin/rdiff/TWiki/WebTopicList 1
/twiki/bin/rdiff/TWiki/WhatIsWikiWiki 1
/twiki/bin/rdiff/TWiki/WikiCulture?rev1=1.8&rev2=1.7 1
/twiki/bin/rdiff/TWiki/WikiReferences?rev1=1.2&rev2=1.1 1
/twiki/bin/rdiff/TWiki/WikiSyntax 1
/twiki/bin/rdiff/TWiki/WikiWikiClones 1
/twiki/bin/rdiff/TWiki/WikiWord?rev1=1.4&rev2=1.3 1
/twiki/bin/rename/TWiki/DefaultPlugin 1
/twiki/bin/rename/TWiki/ResetPassword 1
/twiki/bin/rename/TWiki/TWikiHistory 1
/twiki/bin/search/Main/?scope=topic&regex=on&search=^d 1
/twiki/bin/search/Main/?scope=topic&regex=on&search=^f 1
/twiki/bin/search/Main/?scope=topic&regex=on&search=^g 1
/twiki/bin/search/Main/?scope=topic&regex=on&search=^p 1
/twiki/bin/search/Main/?scope=topic&regex=on&search=^t 1
/twiki/bin/search/Main/?
search=\\..*&scope=topic&order=modified&reverse=on&regex=on&nosearch=on&limit=
1
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scope=text&regex=on&search=Joris%20*Benschop[^A-Za-z] 1
/twiki/bin/search/Main/SearchResult?
scope=text&regex=on&search=Office%20*Locations[^A-Za-z] 1
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scope=text&regex=on&search=RBLs%20*How%20*To[^A-Za-z] 1
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scope=text&regex=on&search=Web%20*Changes[^A-Za-z] 1
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scope=text&regex=on&search=Web%20*Index[^A-Za-z] 1
/twiki/bin/search/Main/SearchResult?
scope=text&regex=on&search=Web%20*Statistics[^A-Za-z] 1
/twiki/bin/search/Main/SearchResult?
search=%5C.*&scope=topic&order=modified&reverse=on&regex=on&nosearch=on 1
/twiki/bin/search/TWiki/?scope=topic&regex=on&bookview=on&search=.* 1
/twiki/bin/search/TWiki/?scope=topic&regex=on&search=.* 1
/twiki/bin/search/TWiki/?scope=topic&regex=on&search=^d 1
/twiki/bin/search/TWiki/?scope=topic&regex=on&search=^i 1
/twiki/bin/search/TWiki/?scope=topic&regex=on&search=^j 1
/twiki/bin/search/TWiki/?scope=topic&regex=on&search=^l 1
/twiki/bin/search/TWiki/?scope=topic&regex=on&search=^q 1

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/twiki/bin/search/TWiki/?scope=topic&regex=on&search=^y 1
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1
/twiki/bin/search/TWiki/SearchResult?
scope=text&regex=on&search=Al%20*Williams[^A-Za-z] 1
/twiki/bin/search/TWiki/SearchResult?
scope=text&regex=on&search=Appendix%20*File%20*System%5B%5EA-Za-z%5D 1
/twiki/bin/search/TWiki/SearchResult?
scope=text&regex=on&search=Change%20*Password[^A-Za-z] 1
/twiki/bin/search/TWiki/SearchResult?
scope=text&regex=on&search=Harold%20*Gottschalk[^A-Za-z] 1
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scope=text&regex=on&search=Inter%20*Wikis[^A-Za-z] 1
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scope=text&regex=on&search=John%20*Talintyre[^A-Za-z] 1
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scope=text&regex=on&search=Kevin%20*Kinnell[^A-Za-z] 1
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scope=text&regex=on&search=Peter%20*Fokkinga[^A-Za-z] 1
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scope=text&regex=on&search=Web%20*Topic%20*List[^A-Za-z] 1
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scope=text&regex=on&search=Wiki%20*Notation[^A-Za-z] 1
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/twiki/bin/view/Know/ReadmeFirst?rev=1.4 1
/twiki/bin/view/Know/WebHome 2
/twiki/bin/view/Know/WebNotify 1
/twiki/bin/view/Know/WebStatistics 1
/twiki/bin/view/Main/AndreaSterbini 1
/twiki/bin/view/Main/AndreaSterbini?rev=r1.1 1
/twiki/bin/view/Main/ConfigurationVariables 5
/twiki/bin/view/Main/DCC 3
/twiki/bin/view/Main/DCCAndPostFix 12
/twiki/bin/view/Main/DCCGraphs 4
/twiki/bin/view/Main/FileAttachment?rev=1.1 1
/twiki/bin/view/Main/FileAttachment?rev=1.2 1
/twiki/bin/view/Main/JorisBenschop?skin=print 1
/twiki/bin/view/Main/KevinWGagel 3
/twiki/bin/view/Main/LinksOfUse 7
/twiki/bin/view/Main/LondonOffice 1
/twiki/bin/view/Main/MikeMannix 2
/twiki/bin/view/Main/MikeMannix?rev=1.3 1
/twiki/bin/view/Main/NicholasLee?rev=1.1 1
/twiki/bin/view/Main/NicholasLee?rev=1.2 1
/twiki/bin/view/Main/PeterThoeny 1
/twiki/bin/view/Main/PostQueue 1
/twiki/bin/view/Main/PostSuper 7
/twiki/bin/view/Main/PostSuper?rev=1.1 1
/twiki/bin/view/Main/PostSuper?rev=r1.1 1
/twiki/bin/view/Main/Postfix 1
/twiki/bin/view/Main/PostfixCmd 6

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/twiki/bin/view/Main/PostfixCommands      11
/twiki/bin/view/Main/RBLsHowTo      8
/twiki/bin/view/Main/RelayGateway      7
/twiki/bin/view/Main/RelayGateway?rev=1.3      1
/twiki/bin/view/Main/Relay_Domains      3
/twiki/bin/view/Main/SanJoseOffice      2
/twiki/bin/view/Main/SideBar      5
/twiki/bin/view/Main/SideBar?rev=1.1      1
/twiki/bin/view/Main/SimonMudd      1
/twiki/bin/view/Main/SpamAssassin      6
/twiki/bin/view/Main/SpamAssassinAndPostFix      17
/twiki/bin/view/Main/SpamAssassinDeleting      15
/twiki/bin/view/Main/SpamAssassinTaggingOnly      18
/twiki/bin/view/Main/SpamAssassinUsingRazorAndDCC      7
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/twiki/bin/view/Main/TWikiAdminGroup?rev=1.6      1
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/twiki/bin/view/Main/TWikiGroups?rev=1.2      1
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/twiki/bin/view/Main/TWikiGuest?rev=1.4      1
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/twiki/bin/view/Main/TWikiGuest?rev=r1.3      1
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/twiki/bin/view/Main/TokyoOffice?rev=r1.3      1
/twiki/bin/view/Main/VerifingGatway      4
/twiki/bin/view/Main/VishaalGolam      1
/twiki/bin/view/Main/WebChanges      2
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/twiki/bin/view/Main/WebNotify?rev=r1.6      1
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/twiki/bin/view/Main/WebPreferences?rev=1.14      1
/twiki/bin/view/Main/WebPreferences?rev=r1.10      1
/twiki/bin/view/Main/WebPreferences?rev=r1.14      1
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/twiki/bin/view/Main/WebPreferences?rev=r1.9      1
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/twiki/bin/view/Main/WebStatistics      1

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/twiki/bin/view/Main/WebStatistics?skin=print 1
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/twiki/bin/view/Sandbox/WebHome 3
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/twiki/bin/view/Sandbox/WebHome?rev=r1.3 1
/twiki/bin/view/Sandbox/WebIndex 1
/twiki/bin/view/Sandbox/WebPreferences 1
/twiki/bin/view/Sandbox/WebStatistics 1
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/twiki/bin/view/TWiki/AlWilliams?rev=1.1 1
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/twiki/bin/view/TWiki/KevinKinnell?rev=1.4 1
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/twiki/bin/view/TWiki/TWikiSiteTools 1

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/twiki/bin/view/TWiki/TWikiSkins?skin=print 1
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/twiki/bin/view/TWiki/TWikiTopics?rev=r1.7 1
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/twiki/bin/view/TWiki/TWikiUpgradeTo01May2000?rev=1.3 1
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/twiki/pub/TWiki/TWikiLogos/twikiRobot46x50.gif 64
/twiki/pub/TWiki/TWikiLogos/twikiRobot88x31.gif 1
/twiki/view/Main/WebHome 1
408 1

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