

## 14. Information technology

WTI

	Internet				PCs	
	Hosts	Hosts per	Users	Users per	Total	Per 100
	Total 2002	10'000 inhab. 2002	(000s) 2002	100 inhab. 2002	(k) 2002	inhab. 2002
1 Algeria	821	0.26	500.0	1.60	242	0.77
2 Angola	7	0.01	41.0	0.29	27	0.19
3 Benin	574	0.84	50.0	0.74	15	0.22
4 Botswana	1'617	9.40	60.0	3.49	70	4.07
5 Burkina Faso	409	0.34	25.0	0.21	19	0.16
6 Burundi	3	-	8.0	0.11	5	0.07
7 Cameroon	439	0.28	60.0	0.38	90	0.57
8 Cape Verde	48	1.07	16.0	3.55	35	7.77
9 Central African Rep.	6	0.02	5.0	0.13	8	0.20
10 Chad	11	0.01	15.0	0.19	13	0.17
11 Comoros	12	0.16	3.2	0.42	4	0.55
12 Congo	36	0.11	5.0	0.15	13	0.39
13 Côte d'Ivoire	4'397	2.67	90.0	0.55	154	0.93
14 D.R. Congo	134	0.03	50.0	0.09	...	...
15 Djibouti	498	7.59	4.5	0.69	10	1.52
16 Egypt	3'061	0.45	1'900.0	2.82	1'120	1.66
17 Equatorial Guinea	3	0.06	1.8	0.36	4	0.69
18 Eritrea	859	2.16	9.0	0.23	10	0.25
19 Ethiopia	41	0.01	50.0	0.07	100	0.15
20 Gabon	79	0.61	25.0	1.92	25	1.92
21 Gambia	568	4.28	25.0	1.88	19	1.43
22 Ghana	313	0.15	170.0	0.82	82	0.40
23 Guinea	251	0.33	35.0	0.46	42	0.55
24 Guinea-Bissau	20	0.16	14.0	1.12	...	...
25 Kenya	2'963	0.94	400.0	1.27	204	0.65
26 Lesotho	45	0.21	21.0	0.97	...	...
27 Liberia	11	0.03	1.0 [01]	0.03	...	...
28 Libya	83	0.15	125.0	2.25	130	2.34
29 Madagascar	509	0.32	55.0	0.35	70	0.44
30 Malawi	17	0.02	27.0	0.26	14	0.13
31 Mali	158	0.15	25.0	0.24	15	0.14
32 Mauritania	79	0.29	10.0	0.37	29	1.08
33 Mauritius	3'462	28.60	125.0	10.33	180	14.87
34 Mayotte	-	-	1.8 [00]	1.22	...	...
35 Morocco	2'680	0.90	700.0	2.36	500	1.69
36 Mozambique	1'925	1.06	50.0	0.28	82	0.45
37 Namibia	3'709	19.78	50.0	2.67	133	7.09
38 Niger	119	0.10	15.0	0.13	7	0.06
39 Nigeria	1'030	0.09	420.0	0.35	853	0.71
40 Réunion	1	0.01	150.0	20.17	200	26.90
41 Rwanda	1'233	1.51	25.0	0.31	...	...
42 S. Tomé & Príncipe	1'069	70.79	11.0	7.28	...	...
43 Senegal	761	0.76	105.0	1.04	200	1.98
44 Seychelles	266	31.77	11.7	14.02	13	15.53
45 Sierra Leone	277	0.56	8.0	0.16	...	...
46 Somalia	4	-	86.0	0.87	15	0.15
47 South Africa	198'853	43.75	3'100.0	6.82	3'300	7.26
48 Sudan	-	-	300.0	0.91	200	0.61
49 Swaziland	1'329	12.88	20.0	1.94	25	2.42
50 Tanzania	1'731	0.50	80.0	0.23	144	0.42
51 Togo	80	0.16	200.0	4.10	150	3.08
52 Tunisia	341	0.35	505.5	5.17	335	3.43
53 Uganda	2'242	0.91	100.0	0.40	82	0.33
54 Zambia	1'621	1.49	52.4	0.48	80	0.74
55 Zimbabwe	2'382	2.05	500.0	4.30	600	5.16
<b>Africa</b>	<b>243'187</b>	<b>2.96</b>	<b>10'443.0</b>	<b>1.27</b>	<b>9'668</b>	<b>1.29</b>

	<i>Internet</i>				<i>PCs</i>	
	<i>Hosts</i>	<i>Hosts per</i>	<i>Users</i>	<i>Users per</i>	<i>Total</i>	<i>Per 100</i>
	<i>Total</i>	<i>10'000 inhab.</i>	<i>(000s)</i>	<i>100 inhab.</i>	<i>(k)</i>	<i>inhab.</i>
	<i>2002</i>	<i>2002</i>	<i>2002</i>	<i>2002</i>	<i>2002</i>	<i>2002</i>
56 Antigua & Barbuda	622	79.74	10.0	12.82	...	...
57 Argentina	495'920	132.19	4'100.0	10.93	3'000	8.00
58 Aruba	1'142	103.82	24.0 [01]	22.64	...	...
59 Bahamas	32	1.03	60.0	19.23	...	...
60 Barbados	160	5.95	30.0	11.15	28	10.41
61 Belize	1'498	57.84	25.0	9.65	35	13.51
62 Bermuda	6'533	1'005.08	30.0 [01]	46.44	34	52.31
63 Bolivia	1'413	1.69	270.0	3.24	190	2.28
64 Brazil	2'237'527	128.68	14'300.0	8.22	13'000	7.48
65 Canada	2'993'982	951.42	15'200.0	48.30	15'300	48.62
66 Chile	135'155	89.80	3'575.0	23.75	1'796	11.93
67 Colombia	55'626	12.85	2'000.1	4.62	2'133	4.93
68 Costa Rica	7'725	19.22	815.7	20.29	817	20.32
69 Cuba	1'133	1.00	160.0	1.42	250	2.22
70 Dominica	464	64.95	12.5	17.50	7	9.80
71 Dominican Rep.	45'508	53.15	500.0	5.84	...	...
72 Ecuador	2'648	2.04	537.9	4.14	403	3.10
73 El Salvador	269	0.42	300.0	4.65	163	2.52
74 French Guiana	2	0.11	25.0	14.30	29	16.59
75 Grenada	14	1.32	15.0	14.15	14	13.21
76 Guadeloupe	403	9.26	50.0	11.49	90	20.68
77 Guatemala	9'789	8.16	400.0	3.33	173	1.44
78 Guyana	63	0.72	125.0	14.22	24	2.73
79 Haiti	-	-	80.0	0.96	...	...
80 Honduras	160	0.24	168.6	2.54	91	1.37
81 Jamaica	1'276	4.86	600.0	22.86	141	5.37
82 Martinique	319	8.19	60.0	15.40	78	20.03
83 Mexico	1'107'795	110.05	10'764.7	10.69	8'353	8.30
84 Neth. Antilles	112	5.09	...	...	...	...
85 Nicaragua	3'370	6.47	90.0	1.73	150	2.88
86 Panama	7'393	24.59	220.0	7.32	115	3.83
87 Paraguay	4'351	7.53	100.0	1.73	200	3.46
88 Peru	19'447	7.27	2'400.0	8.97	1'149	4.30
89 Puerto Rico	871	2.26	677.0	17.55	...	...
90 St. Kitts and Nevis	2	0.43	10.0	21.41	9	19.27
91 St. Lucia	29	1.81	13.0 [01]	8.24	24	15.00
92 St. Vincent	-	-	6.0	5.13	14	11.97
93 Suriname	24	0.50	20.0	4.20	20 [01]	4.25
94 Trinidad & Tobago	7'209	55.39	138.0	10.60	90	6.92
95 United States	115'311'958	4'004.25	142'823.0 [01]	50.10	178'000 [01]	62.44
96 Uruguay	78'660	244.17	380.0	11.80	390	12.11
97 Venezuela	24'138	9.58	1'274.4	5.06	1'536	6.09
98 Virgin Islands (US)	3'924	356.73	30.0	27.27	...	...
<b>Americas</b>	<b>122'568'666</b>	<b>1'442.59</b>	<b>202'419.9</b>	<b>23.91</b>	<b>227'846</b>	<b>27.61</b>

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	Total 2002	10'000 inhab. 2002	(000s) 2002	100 inhab. 2002	(k) 2002	inhab. 2002
99 Afghanistan	4	-	1.0	-	...	...
100 Armenia	2'850	7.50	60.0	1.58	60	1.58
101 Azerbaijan	1'139	1.40	300.0	3.69	...	...
102 Bahrain	1'339	19.93	122.8	18.27	107	15.92
103 Bangladesh	2	-	204.0	0.15	450	0.34
104 Bhutan	1'242	17.98	10.0	1.45	10	1.45
105 Brunei Darussalam	8'668	246.25	35.0 [01]	10.23	27	7.67
106 Cambodia	1'391	1.01	30.0	0.22	27	0.20
107 China	156'531	1.22	59'100.0	4.60	35'500	2.76
108 D.P.R. Korea	...	...	- [01]	-	...	...
109 Georgia	3'032	6.15	73.5	1.49	156	3.16
110 Hong Kong, China	398'151	586.72	2'918.8	43.01	3'273	48.23
111 India	78'595	0.75	16'580.0	1.59	7'500	0.72
112 Indonesia	61'279	2.89	4'500.0	2.12	2'519	1.19
113 Iran (I.R.)	3'491	0.53	3'168.0	4.85	4'900	7.50
114 Iraq	5	-	25.0	0.10	200	0.83
115 Israel	146'791	221.22	2'000.0	30.14	1'610	24.26
116 Japan	9'260'117	726.65	59'220.0	46.47	48'700	38.22
117 Jordan	4'116	7.73	307.5	5.78	200	3.76
118 Kazakhstan	16'562	10.37	250.0	1.57	...	...
119 Korea (Rep.)	407'318	85.54	26'270.0	55.17	23'502	49.36
120 Kuwait	3'261	13.79	250.0	10.58	285	12.06
121 Kyrgyzstan	5'930	11.83	152.0	3.03	65	1.29
122 Lao P.D.R.	281	0.51	15.0	0.27	18	0.33
123 Lebanon	7'199	21.08	400.0	11.71	300	8.78
124 Macao, China	150	3.40	115.0	26.04	92	20.83
125 Malaysia	86'285	35.18	7'842.0	31.97	3'600	14.68
126 Maldives	-	-	15.0	5.34	20	7.12
127 Mongolia	127	0.52	50.0	2.06	69	2.84
128 Myanmar	2	-	25.0	0.05	250	0.48
129 Nepal	1'206	0.52	80.0	0.34	85	0.37
130 Oman	676	2.66	180.0	7.09	95	3.74
131 Pakistan	12'707	0.87	1'000.0	0.68	600 [01]	0.42
132 Palestine	...	...	105.0	3.04	125	3.62
133 Philippines	38'440	4.84	3'500.0	4.40	2'200	2.77
134 Qatar	171	2.55	70.0	10.42	110	16.38
135 Saudi Arabia	14'788	6.73	1'418.9	6.46	3'003	13.67
136 Singapore	338'349	812.62	2'100.0	50.44	2'590	62.20
137 Sri Lanka	2'335	1.23	200.0	1.06	250	1.32
138 Syria	11	0.01	365.0	2.13	330	1.93
139 Taiwan, China	2'170'233	963.66	10'720.0	47.60	9'521	42.28
140 Tajikistan	302	0.47	3.5	0.05	...	...
141 Thailand	100'132	16.18	4'800.0	7.76	2'461	3.98
142 Turkmenistan	2'020	4.16	8.0 [01]	0.17	...	...
143 United Arab Emirates	52'332	139.40	1'175.5	31.31	450	11.99
144 Uzbekistan	281	0.11	275.0	1.09	...	...
145 Viet Nam	529	0.07	1'500.0	1.85	800	0.98
146 Yemen	113	0.06	100.0	0.51	145	0.74
<b>Asia</b>	<b>13'390'483</b>	<b>36.56</b>	<b>211'640.5</b>	<b>5.74</b>	<b>156'205</b>	<b>4.37</b>

		<i>Internet</i>				<i>PCs</i>	
		<i>Hosts</i>	<i>Hosts per</i>	<i>Users</i>	<i>Users per</i>	<i>Total</i>	<i>Per 100</i>
		<i>Total</i>	<i>10'000 inhab.</i>	<i>(000s)</i>	<i>100 inhab.</i>	<i>(k)</i>	<i>inhab.</i>
		<i>2002</i>	<i>2002</i>	<i>2002</i>	<i>2002</i>	<i>2002</i>	<i>2002</i>
147	Albania	172	0.56	12.0	0.39	36	1.17
148	Andorra	2'778	338.78	7.0 [00]	8.97	...	...
149	Austria	367'933	454.11	3'340.0	41.22	3'900	48.14
150	Belarus	4'025	4.06	891.2	8.99	...	...
151	Belgium	336'604	325.04	3'400.0	32.83	2'800	27.04
152	Bosnia	5'702	14.95	100.0	2.62	...	...
153	Bulgaria	32'986	42.04	630.0	8.03	405	5.16
154	Croatia	29'644	67.77	789.0	18.04	760	17.38
155	Cyprus	2'692	37.65	210.0	29.37	193	26.99
156	Czech Republic	226'429	221.97	2'600.2	25.49	1'800	17.65
157	Denmark	836'631	1'556.74	2'756.0	51.28	3'100	57.68
158	Estonia	63'364	467.63	444.0	32.77	285	21.03
159	Faroe Islands	2'055	437.58	25.0	53.23	...	...
160	Finland	1'220'062	2'343.12	2'529.0	48.57	2'300	44.17
161	France	1'388'681	232.86	18'716.0	31.38	20'700	34.71
162	Germany	2'594'323	314.32	28'000.0	33.92	35'600	43.13
163	Greece	160'829	145.97	1'485.3	13.48	900	8.17
164	Greenland	2'914	514.15	25.0	44.11	...	...
165	Guernsey	1'634	291.79	30.0	53.57	...	...
166	Hungary	194'503	191.78	1'600.0	15.78	1'100	10.85
167	Iceland	68'261	2'370.17	186.6	64.79	130	45.14
168	Ireland	136'487	347.21	1'102.0	28.03	1'654	42.08
169	Italy	672'638	119.13	19'800.0	35.07	13'025	23.07
170	Jersey	1'712	195.43	8.0 [00]	9.22	...	...
171	Latvia	35'492	152.39	310.0	13.31	400	17.17
172	Lithuania	54'605	157.14	500.0	14.39	380	10.94
173	Luxembourg	17'260	387.00	165.0	37.00	265	59.42
174	Malta	7'355	185.73	120.0	30.30	101	25.51
175	Moldova	2'189	6.05	150.0	4.15	77	2.13
176	Netherlands	3'137'203	1'937.14	8'200.0	50.63	7'557	46.66
177	Norway	255'742	561.79	1'398.6	30.72	2'405	52.83
178	Poland	657'495	170.30	8'880.0	23.00	4'079	10.56
179	Portugal	164'711	158.26	2'267.2	21.78	1'394	13.39
180	Romania	40'971	18.80	2'200.0	10.10	1'800	8.26
181	Russia	409'229	27.92	6'000.0	4.09	13'000	8.87
182	Serbia and Montenegro	16'972	20.91	640.0	7.89	290	3.57
183	Slovak Republic	85'998	159.87	862.8	16.04	1'010	18.78
184	Slovenia	35'791	179.31	750.0	37.58	600	30.06
185	Spain	589'979	143.54	7'856.0	19.11	7'972	19.40
186	Sweden	849'174	949.54	5'125.0	57.31	5'556	62.13
187	Switzerland	560'902	770.34	3'000.0	41.20	5'160	70.87
188	TFYR Macedonia	3'167	15.34	100.0	4.84	94	4.55
189	Turkey	154'585	22.20	4'300.0	6.18	3'000	4.31
190	Ukraine	71'691	14.87	900.0	1.87	951	1.97
191	United Kingdom	2'865'930	485.03	25'000.0	42.31	23'972	40.57
<b>Europe</b>		<b>18'369'500</b>	<b>231.10</b>	<b>167'410.9</b>	<b>21.06</b>	<b>168'751</b>	<b>21.61</b>

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		<i>Internet</i>				<i>PCs</i>	
		<i>Hosts</i>	<i>Hosts per</i>	<i>Users</i>	<i>Users per</i>	<i>Total</i>	<i>Per 100</i>
		<i>Total</i>	<i>10'000 inhab.</i>	<i>(000s)</i>	<i>100 inhab.</i>	<i>(k)</i>	<i>inhab.</i>
		<i>2002</i>	<i>2002</i>	<i>2002</i>	<i>2002</i>	<i>2002</i>	<i>2002</i>
192	Australia	2'564'339	1'305.61	10'500.0	53.46	11'100	56.51
193	Fiji	785	9.58	50.0	6.10	40	4.88
194	French Polynesia	3'661	149.18	20.0	8.15	70	28.52
195	Guam	129	8.06	50.0	31.25	...	...
196	Kiribati	35	4.00	2.0	2.28	1	1.14
197	Marshall Islands	5	0.94	1.3	2.35	3	5.64
198	Micronesia	636	59.11	6.0	5.58	...	...
199	New Caledonia	5'915	264.06	50.0	22.32	...	...
200	New Zealand	432'957	1'099.13	1'908.0	48.44	1'630	41.38
201	Northern Marianas	15	2.05	...	...	...	...
202	Papua New Guinea	517	0.95	75.0	1.37	321	5.87
203	Samoa	5'705	316.24	4.0	2.22	1	0.67
204	Solomon Islands	470	10.58	2.2	0.50	18	4.05
205	Tonga	19'485	1'964.21	2.9	2.92	2	2.02
206	Vanuatu	551	27.25	7.0	3.46	3	1.48
<b>Oceania</b>		<b>3'035'205</b>	<b>956.25</b>	<b>12'678.4</b>	<b>40.04</b>	<b>13'189</b>	<b>42.31</b>

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	<i>Total</i>	<i>10'000 inhab.</i>	<i>(000s)</i>	<i>100 inhab.</i>	<i>(k)</i>	<i>inhab.</i>
	<i>2002</i>	<i>2002</i>	<i>2002</i>	<i>2002</i>	<i>2002</i>	<i>2002</i>
<b>WTI</b>	<b>157'607'041</b>	<b>255.85</b>	<b>604'592.6</b>	<b>9.78</b>	<b>575'658</b>	<b>9.65</b>
<b>Africa</b>	<b>243'171</b>	<b>3.01</b>	<b>10'204.2</b>	<b>1.26</b>	<b>9'453</b>	<b>1.28</b>
<b>Americas</b>	<b>122'555'360</b>	<b>1'451.59</b>	<b>201'523.9</b>	<b>23.95</b>	<b>227'615</b>	<b>27.62</b>
<b>Asia</b>	<b>13'390'474</b>	<b>37.04</b>	<b>211'614.5</b>	<b>5.85</b>	<b>156'005</b>	<b>4.39</b>
<b>Europe</b>	<b>18'358'407</b>	<b>231.05</b>	<b>167'315.9</b>	<b>21.06</b>	<b>168'751</b>	<b>21.61</b>
<b>Oceania</b>	<b>3'034'390</b>	<b>969.07</b>	<b>12'620.4</b>	<b>40.30</b>	<b>13'188</b>	<b>42.42</b>

*Note:* For data comparability and coverage, see the technical notes.  
 Figures in italics are estimates or refer to years other than those specified.

*Source:* ITU (Internet host data: Network Wizards, RIPE).