

## 14. Information technology

WTI

	Internet				PCs	
	Hosts	Hosts per	Users	Users per	Total	Per 100
	Total 2001	10'000 inhab. 2001	(000s) 2001	100 inhab. 2001	(k) 2001	inhab. 2001
1 Algeria	665	0.22	200.0	0.65	220	0.71
2 Angola	8	0.01	20.0	0.15	17	0.13
3 Benin	500	0.76	25.0	0.38	11	0.17
4 Botswana	1'273	7.57	50.0	2.97	65	3.87
5 Burkina Faso	704	0.60	19.0	0.16	17	0.15
6 Burundi	1	-	7.0	0.10	5	0.07
7 Cameroon	390	0.25	45.0	0.29	60	0.39
8 Cape Verde	34	0.77	12.0	2.71	30	6.78
9 Central African Rep.	7	0.02	3.0	0.08	7	0.19
10 Chad	1	-	4.0	0.05	12	0.16
11 Comoros	11	0.15	2.5	0.34	4	0.55
12 Congo	42	0.14	1.0	0.03	12	0.39
13 Côte d'Ivoire	3'131	1.92	70.0	0.43	118	0.72
14 D.R. Congo	115	0.02	6.0	0.01	...	...
15 Djibouti	13	0.20	3.3	0.51	7	1.09
16 Egypt	1'802	0.28	600.0	0.93	1'000	1.55
17 Equatorial Guinea	6	0.13	0.9	0.19	3	0.53
18 Eritrea	254	0.67	6.0	0.16	7	0.18
19 Ethiopia	43	0.01	25.0	0.04	75	0.11
20 Gabon	69	0.55	17.0	1.35	20	1.58
21 Gambia	120	0.93	18.0	1.39	17	1.32
22 Ghana	235	0.12	40.0	0.20	70	0.35
23 Guinea	245	0.32	15.0	0.20	32	0.42
24 Guinea-Bissau	20	0.16	4.0	0.33	...	...
25 Kenya	2'702	0.86	200.0	0.64	175	0.56
26 Lesotho	60	0.28	5.0	0.23	...	...
27 Liberia	10	0.03	1.0	0.03	...	...
28 Libya	70	0.13	20.0	0.36	...	...
29 Madagascar	234	0.15	35.0	0.23	40	0.26
30 Malawi	22	0.02	20.0	0.19	13	0.13
31 Mali	87	0.08	20.0	0.19	14	0.13
32 Mauritania	113	0.43	7.0	0.27	27	1.03
33 Mauritius	3'126	26.05	106.0	8.83	130	10.83
34 Mayotte	-	-	1.8 [00]	1.22	...	...
35 Morocco	2'454	0.84	400.0	1.37	400	1.37
36 Mozambique	16	0.01	30.0	0.17	70	0.40
37 Namibia	4'632	25.36	45.0	2.46	103	5.63
38 Niger	176	0.16	12.0	0.11	6	0.05
39 Nigeria	723	0.06	115.0	0.10	800	0.68
40 Réunion	-	-	120.0	16.42	...	...
41 Rwanda	1'133	1.43	20.0	0.25	...	...
42 S. Tomé & Príncipe	927	61.80	9.0	6.00	...	...
43 Senegal	730	0.74	100.0	1.02	180	1.84
44 Seychelles	262	32.27	9.0	11.08	12	14.78
45 Sierra Leone	278	0.56	7.0	0.14	...	...
46 Somalia	4	-	85.0	0.87	...	...
47 South Africa	238'462	53.51	2'890.0	6.49	3'100	6.96
48 Sudan	-	-	150.0	0.47	115	0.36
49 Swaziland	1'142	11.20	14.0	1.37	16	1.57
50 Tanzania	1'478	0.44	60.0	0.18	120	0.36
51 Togo	220	0.46	150.0	3.16	120	2.53
52 Tunisia	218	0.23	410.0	4.24	255	2.64
53 Uganda	293	0.12	60.0	0.25	70	0.29
54 Zambia	1'095	1.03	25.0	0.24	75	0.71
55 Zimbabwe	3'494	3.04	100.0	0.87	200	1.74
<b>Africa</b>	<b>273'850</b>	<b>3.42</b>	<b>6'420.5</b>	<b>0.80</b>	<b>7'849</b>	<b>1.10</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>2001</i>	<i>2001</i>	<i>2001</i>	<i>2001</i>	<i>2001</i>	
56	Antigua & Barbuda	786	101.52	7.0	9.04	...	...
57	Argentina	465'359	125.24	3'650.0	9.82	2'900	7.80
58	Aruba	923	87.08	24.0	22.64	...	...
59	Bahamas	28	0.91	16.9	5.51	...	...
60	Barbados	130	4.85	15.0	5.59	25	9.32
61	Belize	333	12.94	18.0	7.00	33	12.82
62	Bermuda	5'161	798.92	30.0	46.44	32	49.54
63	Bolivia	1'522	1.84	180.0	2.18	170	2.05
64	Brazil	1'644'575	95.71	8'000.0	4.66	10'800	6.29
65	Canada	2'890'273	928.28	14'000.0	44.96	14'200	45.61
66	Chile	122'727	79.68	3'102.2	20.14	1'640	10.65
67	Colombia	57'419	13.41	1'154.0	2.70	1'800	4.21
68	Costa Rica	8'551	21.48	384.0	9.65	700	17.58
69	Cuba	878	0.78	120.0	1.07	220	1.96
70	Dominica	223	31.20	9.0	12.59	6	8.39
71	Dominican Rep.	41'761	51.60	397.3	4.91	...	...
72	Ecuador	3'383	2.63	333.0	2.59	300	2.33
73	El Salvador	510	0.80	150.0	2.34	140	2.19
74	French Guiana	120	7.11	20.0	11.85	27	16.00
75	Grenada	12	1.20	5.2	5.20	13	13.00
76	Guadeloupe	461	10.70	40.0	9.28	90	20.88
77	Guatemala	6'630	5.67	200.0	1.71	150	1.28
78	Guyana	20	0.23	100.0	11.49	23	2.64
79	Haiti	-	-	30.0	0.36	...	...
80	Honduras	322	0.49	90.0	1.38	80	1.22
81	Jamaica	1'436	5.50	100.0	3.83	130	4.98
82	Martinique	343	8.87	40.0	10.34	72	18.61
83	Mexico	918'288	92.59	7'410.1	7.47	6'900	6.96
84	Neth. Antilles	119	5.47	2.0 [99]	0.93	...	...
85	Nicaragua	2'194	4.21	75.0	1.44	130	2.50
86	Panama	7'825	26.99	168.7	5.82	110	3.79
87	Paraguay	2'704	4.80	60.0	1.06	150	2.66
88	Peru	13'504	5.18	2'000.0	7.66	1'250	4.79
89	Puerto Rico	1'584	4.13	600.0	15.63	...	...
90	St. Kitts and Nevis	3	0.65	3.6	7.81	8	17.35
91	St. Lucia	17	1.08	13.0	8.24	23	14.58
92	St. Vincent	3	0.26	5.5	4.78	13	11.30
93	Suriname	59	1.25	14.5	3.09	20	4.25
94	Trinidad & Tobago	6'872	52.86	120.0	9.23	90	6.92
95	United States	106'193'339	3'724.86	142'823.0	50.10	178'000	62.44
96	Uruguay	70'892	220.72	370.0	11.52	370	11.52
97	Venezuela	22'614	9.15	1'152.5	4.66	1'300	5.26
98	Virgin Islands (US)	2'468	225.80	20.0	18.30	...	...
	<b>Americas</b>	<b>112'496'371</b>	<b>1'339.72</b>	<b>187'053.6</b>	<b>22.28</b>	<b>221'915</b>	<b>27.11</b>

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	Total 2001	10'000 inhab. 2001	(000s) 2001	100 inhab. 2001	(k) 2001	inhab. 2001
99 Afghanistan	4	-	...	...	...	...
100 Armenia	2'361	6.21	50.0	1.32	35	0.92
101 Azerbaijan	1'314	1.64	25.0	0.31	...	...
102 Bahrain	1'718	26.41	100.0	15.37	100	15.37
103 Bangladesh	3	-	186.0	0.14	250	0.19
104 Bhutan	1'136	16.85	5.0	0.74	7	1.04
105 Brunei Darussalam	8'707	254.59	35.0	10.23	25	7.31
106 Cambodia	623	0.46	10.0	0.07	20	0.15
107 China	89'357	0.68	33'700.0	2.57	25'000	1.90
108 D.P.R. Korea	- [99]	-	-	-	...	...
109 Georgia	2'081	4.18	46.5	0.93	143	2.87
110 Hong Kong, China	387'672	576.47	2'601.3	38.68	2'600	38.66
111 India	82'979	0.81	7'000.0	0.68	6'000	0.58
112 Indonesia	45'660	2.18	4'200.0	2.01	2'300	1.10
113 Iran (I.R.)	2'466	0.38	1'005.0	1.56	4'500	6.97
114 Iraq	-	-	12.5	0.05	...	...
115 Israel	143'678	220.77	1'800.0	27.66	1'600	24.59
116 Japan	7'118'333	559.22	48'900.0	38.42	45'600	35.82
117 Jordan	2'185	4.22	234.0	4.52	170	3.28
118 Kazakhstan	10'947	6.80	150.0	0.93	...	...
119 Korea (Rep.)	694'206	146.63	24'380.0	51.50	22'495	47.52
120 Kuwait	3'437	15.11	200.0	8.79	272	11.96
121 Kyrgyzstan	4'558	9.22	150.6	3.04	64	1.29
122 Lao P.D.R.	165	0.31	10.0	0.19	16	0.30
123 Lebanon	7'101	21.20	260.0	7.76	250	7.46
124 Macao, China	189	4.33	101.0	23.13	80	18.32
125 Malaysia	74'007	30.97	6'346.6	26.56	3'000	12.55
126 Maldives	265 [00]	9.81	10.0	3.63	15	5.45
127 Mongolia	151	0.63	40.0	1.67	42	1.75
128 Myanmar	2	-	10.0	0.02	150	0.29
129 Nepal	1'513	0.67	60.0	0.26	80	0.35
130 Oman	4'678	18.88	120.0	4.84	85	3.43
131 Pakistan	11'319	0.79	500.0	0.35	600	0.42
132 Palestine	...	...	60.0	1.82	...	...
133 Philippines	30'851	3.94	2'000.0	2.56	1'700	2.17
134 Qatar	127	1.99	40.0	6.26	100	15.66
135 Saudi Arabia	11'422	5.34	1'016.2	4.75	1'788	8.35
136 Singapore	197'959	479.18	1'700.0	41.15	2'100	50.83
137 Sri Lanka	2'286	1.22	150.0	0.80	175	0.93
138 Syria	9	0.01	60.0	0.36	270	1.61
139 Taiwan, China	1'712'539	764.34	7'820.0	34.90	8'161	36.42
140 Tajikistan	299	0.48	3.2	0.05	...	...
141 Thailand	71'995	11.75	3'536.0	5.77	2'003	3.27
142 Turkmenistan	1'620	3.35	8.0	0.17	...	...
143 United Arab Emirates	76'546	219.46	976.0	27.98	420	12.04
144 Uzbekistan	213	0.09	150.0	0.60	...	...
145 Viet Nam	487	0.06	1'009.5	1.24	700	0.86
146 Yemen	80	0.04	17.0	0.09	37	0.20
<b>Asia</b>	<b>10'809'248</b>	<b>29.38</b>	<b>150'794.5</b>	<b>4.12</b>	<b>132'952</b>	<b>3.74</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>2001</i>	<i>2001</i>	<i>2001</i>	<i>2001</i>	<i>2001</i>	<i>2001</i>
147	Albania	187	0.61	10.0	0.32	30	0.97
148	Andorra	3'200	400.70	7.0 [00]	8.97	...	...
149	Austria	326'016	404.23	3'150.0	39.06	3'400	42.16
150	Belarus	3'287	3.30	430.3	4.32	...	...
151	Belgium	351'970	341.40	3'200.0	31.04	2'400	23.28
152	Bosnia	3'248	8.55	45.0	1.18	...	...
153	Bulgaria	26'926	34.12	605.0	7.67	380	4.82
154	Croatia	21'988	50.27	518.0	11.84	620	14.17
155	Cyprus	2'090	30.31	150.0	21.75	170	24.65
156	Czech Republic	215'525	210.80	1'500.0	14.67	1'500	14.67
157	Denmark	561'056	1'047.71	2'300.0	42.95	2'900	54.15
158	Estonia	51'040	356.92	429.7	30.05	250	17.48
159	Faroe Islands	1'614	358.23	20.0	44.39	...	...
160	Finland	886'916	1'707.25	2'235.3	43.03	2'200	42.35
161	France	788'897	132.94	15'653.0	26.38	19'500	32.86
162	Germany	2'426'202	294.30	26'000.0	31.54	31'317	37.99
163	Greece	143'240	135.18	915.3	8.64	860	8.12
164	Greenland	2'583	460.51	20.0	35.66	...	...
165	Guernsey	1'517	269.82	25.0	44.47	...	...
166	Hungary	167'585	164.70	1'480.0	14.55	950	9.34
167	Iceland	54'668	1'904.81	172.0	59.93	120	41.81
168	Ireland	128'092	333.67	895.0	23.31	1'500	39.07
169	Italy	680'461	117.28	15'600.0	26.89	11'300	19.48
170	Jersey	1'577	180.88	8.0 [00]	9.22	...	...
171	Latvia	25'003	106.35	170.0	7.23	360	15.31
172	Lithuania	35'155	100.82	250.0	7.17	260	7.46
173	Luxembourg	13'965	317.72	160.0	36.40	230	52.33
174	Malta	8'733	222.78	99.0	25.26	90	22.96
175	Moldova	1'756	4.84	60.0	1.65	70	1.93
176	Netherlands	2'632'137	1'634.33	7'900.0	49.05	6'900	42.84
177	Norway	305'107	674.41	1'319.4	29.16	2'300	50.84
178	Poland	489'895	126.82	3'800.0	9.84	3'300	8.54
179	Portugal	246'534	238.53	1'860.4	18.00	1'210	11.71
180	Romania	46'283	20.67	1'000.0	4.47	800	3.57
181	Russia	354'339	24.14	4'300.0	2.93	11'000	7.50
182	Serbia and Montenegro	15'664	14.67	600.0	5.62	250	2.34
183	Slovak Republic	72'557	134.89	674.0	12.53	800	14.87
184	Slovenia	29'558	148.16	600.0	30.08	550	27.57
185	Spain	538'655	131.01	7'388.0	17.97	9'000	21.89
186	Sweden	735'200	825.14	4'600.0	51.63	5'000	56.12
187	Switzerland	527'592	728.21	2'800.0	38.65	4'940	68.18
188	TFYR Macedonia	2'594	12.69	70.0	3.42	72	3.52
189	Turkey	106'556	15.55	3'500.0	5.11	2'700	3.94
190	Ukraine	58'235	11.96	600.0	1.23	920	1.89
191	United Kingdom	2'230'976	371.37	19'800.0	32.96	22'000	36.62
<b>Europe</b>		<b>15'326'379</b>	<b>191.80</b>	<b>136'919.4</b>	<b>17.13</b>	<b>152'149</b>	<b>19.38</b>

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**WTI**

		<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>2001</i>	<i>2001</i>	<i>2001</i>	<i>2001</i>	<i>2001</i>	<i>2001</i>
192	Australia	2'288'584	1'178.88	7'700.0	39.66	10'000	51.51
193	Fiji	668	8.21	15.0	1.84	38	4.67
194	French Polynesia	1'726	71.65	15.0	6.23	66	27.49
195	Guam	148	9.41	40.0	25.45	...	...
196	Kiribati	23	2.67	2.0	2.32	1	1.05
197	Marshall Islands	3	0.57	0.9	1.72	3	4.77
198	Micronesia	653	60.86	5.0	4.66	...	...
199	New Caledonia	4'711	214.82	40.0	18.24	...	...
200	New Zealand	408'290	1'052.16	1'762.0	45.41	1'500	38.65
201	Northern Marianas	13	1.86	...	...	...	...
202	Papua New Guinea	439	0.83	50.0	0.94	300	5.67
203	Samoa	5'351	299.61	3.0	1.68	1	0.62
204	Solomon Islands	390	9.02	2.0	0.46	17	3.93
205	Tonga	20'587	2'081.60	2.8	2.83	1	1.42
206	Vanuatu	358	18.18	5.5	2.79	3	1.32
<b>Oceania</b>		<b>2'731'944</b>	<b>874.45</b>	<b>9'643.2</b>	<b>30.94</b>	<b>11'930</b>	<b>38.87</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>2001</i>	<i>2001</i>	<i>2001</i>	<i>2001</i>	<i>2001</i>	<i>2001</i>
<b>WTI</b>	<b>141'637'792</b>	<b>230.27</b>	<b>490'831.2</b>	<b>8.00</b>	<b>526'795</b>	<b>8.93</b>
<b>Africa</b>	<b>273'836</b>	<b>3.48</b>	<b>6'212.7</b>	<b>0.79</b>	<b>7'849</b>	<b>1.10</b>
<b>Americas</b>	<b>112'485'192</b>	<b>1'348.14</b>	<b>186'277.6</b>	<b>22.33</b>	<b>221'694</b>	<b>27.11</b>
<b>Asia</b>	<b>10'809'244</b>	<b>29.94</b>	<b>150'782.0</b>	<b>4.17</b>	<b>132'952</b>	<b>3.74</b>
<b>Europe</b>	<b>15'315'888</b>	<b>191.75</b>	<b>136'839.4</b>	<b>17.13</b>	<b>152'149</b>	<b>19.38</b>
<b>Oceania</b>	<b>2'731'107</b>	<b>886.11</b>	<b>9'596.2</b>	<b>31.13</b>	<b>11'929</b>	<b>38.98</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).