

Volumes by Organisation level (columns)

Organisation responsible for machine maintenance or for service etc.

	Help	Grand Total	IT centre	Other centralised IT	Distributed	Other or unspecified org. level	Comments
Server environment, logical servers		1394	700	65	629	0	
Number of non x86 servers (Unix)		0	0	0	0		
Number of x86 servers (Windows)		452	395	33	24		TKTL: One virtual, one physical
Number of x86 servers (Linux)		931	305	29	597		TKTL: Includes 240 nodes of Ukko HPC cluster
Number of other or unspecified servers	Lump sum of servers.	11	0	3	8		National library: vmware esxi, TKTL: Vmware systems BI: Virtual machines at Tike
Server environment		780	312	25	443	0	
Number of physical servers		780	312	25	443		
How many physical server are running virtual servers?	New 2015!	55	39	9	7		8: National library
Number of virtualised servers	Cloud or outsourced servers should not be included.	990	755	46	189		
Network storages		23095 TB	19525 TB	500 TB	3070 TB	0 TB	
Size of raw storage (TB)	Lump sum of storage run by HEI. Not cloud storages.	4492 TB	1022 TB	500 TB	2970 TB		BI: 100TB in "other" category is in DNA lab's closed lab network and only accessible to intern
Amount of storage (TB) in cloud storages	New 2015! Lump sum of dedicated storage bought or assigned by HEI from cloud services. Does not include: a) users' personal cloud services; b) application specific storage e.g. financial reporting system which has dedicated storage; c) cloud services created by HEI itself. If storage is promoted as 'unlimited', please give the actual usage of	18603 TB	18503 TB	0 TB	100 TB		28.4.2016: UH is using 3 TB of cloud storage at the moment.
Data centers (see also HPC below)							
Number of major data centers (total power consumption over 10 kVA)		10	2	1	7		FIMM: 2 server rooms rated at 50kW power and cooling
Number of small data centers (total power consumption under 10 kVA)		2	0	0	2		
Total UPS power consumption (all data centers) (kW)		300 kW	108 kW	17 kW	175 kW		TKTL: Approximate power consumption of Exactum DC, shared with HIIT (from last year; rec
HPC - High Performance Computing							
TFlop/s (peak) CPU	Give year of installation of main system under comments field	12,9	0	0	12,9		TKTL: Never measured. Year is 2009
TFlop/s (peak) accelerators	Give year of installation of main system under comments field	0	0	0	0		
HPC related storage volume (in TB)		2311 TB	0 TB	0 TB	2311 TB		
Number of CPU cores	Relates to high-throughput value	6188	0	800	5388		TKTL: Intel(R) Xeon(R) CPU E5540 @ 2.53GHz BI: 352 DNA-lab, 128 Löytynoja Lab, 96 Butche
Total power consumption for peak HPC load (kW)		0 kW	0 kW	0 kW	0 kW		TKTL: Not measured separately.
Distributed computing on workstations							
Number of workstations for distributed computing on average	Has your institute deployed a system for distributed computing using the institute's workstation infrastructure (desktops/laptops), such as a computing grid system?	0	0	0	0		
How many CPU cores can be used for distributed computing on average		0	0	0	0		
Workstations incl. thin clients		20029	1829	2600	15600	0	
Number of desktops		11530	980	1450	9100		
Number of laptops		6089	489	600	5000		
Number of tablets		2110	210	400	1500		
Number of thin clients	A terminal to a server. Machine is not used for other purposes.	300	150	150	0		
Number of other or unspecified workstations	Lump sum of workstations and thin clients	0					
Workstations and thin clients - purpose of use (desktops and laptops)		20029	1829	2600	15600	0	
Number of computers for personal use		17179	1179	2100	13900		
Number of computers in student classrooms	Computers in classrooms (see also others)	2150	650	500	1000		
Number of computers in research laboratories		700	0	0	700		
Other or unspecified (purpose of use can not be specified)	Lump sum of workstations and thin clients	0					
Workstations (incl. thin clients) by operating systems		20029	1829	2600	15600	0	
Number of workstations using Windows		14265	1375	1640	11250		
Number of workstations using Linux		2195	170	225	1800		
Number of workstations using MacOS		3359	264	695	2400		
Number of workstations: OS other than above or unspecified	Lump sum of workstations and thin clients	210	20	40	150		
Printers		2045	25	350	1670	0	
Number of side printers attached to workstations		1165	15	250	900		
Number of network printers / multifunction devices		880	10	100	770		
Number of printing devices. Type other than above or unspecified		0					

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IT Service Desk							
Number of tickets opened		812456				812456	
Number of IT personnel handling tickets	Note that this is the head count, not FTE . The FTEs given in the CostsAndFTE sheet may be included in this number. In general this is the 1st stage service desk, if it is not merely a ticket mediator.	158				158	
Data networks							
Number of WLAN hotspots		1200				1200	
Number of maximum simultaneous WLAN users		6000				6000	
Eduroam							
Coverage of eduroam service in campus public areas.	Please give an estimate % value, how widely the eduroam is covering your campus public areas (lobby areas, classrooms, conference areas etc.). Intention is to evaluate service level of eduroam for your visiting users. (Not the percentage of hotspots supporting eduroam!)	90 %				90 %	
Voice services and connections							
Number of fixed line connections / extensions		50	2	5	13	30	
Number of mobile connections for basic mobile phones	These phones can only be used for talking and SMS	4700	10	100	90	4500	
Number of mobile connections for smart phones	These phones have internet access and can be used for email and other services.	3500	350	1200	750	1200	
Number of mobile connections for other mobile devices (mobile modems, SIM cards for laptops)	Mobile connections for mobile modems and SIM-cards for laptops.	380	20	10	0	350	
Virtual workstations							
The organisation is using virtual workstations (1 = Yes, 0 = No)	If you are using workstation virtualisation environment, choose 1, otherwise 0. Please write to comment field an approximation of virtual usage against physical workstations. You can also write the name(s) of virtualisation product(s) in use.	1				1	
Floor space (in square meters) dedicated to IT services							
Area dedicated to data centers	Institution's own data center spaces.	873 m ²	736 m ²	30 m ²	107 m ²	0	
Area dedicated to IT classrooms	Institution's own IT class rooms, which are especially for this purpose.	5 000 m ²	900 m ²	2 200 m ²	1 900 m ²		
Other IT areas dedicated to e.g. IT personnel workrooms	Other IT related spaces	5 824 m ²	4 394 m ²	880 m ²	550 m ²		
Additional comments							
	If you have any additional comments, please use the comment area.						