Name of Site/Organization	URL of the site or resource	Resource or System Name	Size of Resource (nodes)	Size of Resource (cores)	Purpose of the System	Notes or comments			
CSIRO	http://www.csiro.au/	bragg-gpu			broad base scientific	Improved GPU based library support for R users			
GSI Helmholtz Center for Heavy Ion Research	https://www.gsi.de/en/start/news/de	tails Greencube			Heavy Ion Physics				
Holland Computing Center at the University of Nebraska	https://hcc.unl.edu	Crane and Tusker (collaboration with		14,000	General purpose campus cluster				
		LHC)				currently evaluating Singularity for supporting use of Docker images, and			
HPC-UGent	http://www.ugent.be/hpc/en/	golett		2,500	research across all scientific domains	integrating Singularity with our infrastructure			
Lawrence Berkeley National Laboratory	http://scs.lbl.gov/	Lawrencium		30,000	General institution HPC resource				
Lunarc	http://www.lunarc.lu.se	Aurora		360	Different research groups at Lund University				
Microway	http://microway.com	Microway Research Cluster		192	Benchmarking scientific, research and engineering codes on the latest hardwar architectures	е			
MIT		openmind		1,176	Neuroscience				
National Institutes of Health HPC	https://hpc.nih.gov/	Biowulf	3,100	60,000	General purpose biomedical research	We've had many users ask for			
						programs like TensorFlow and OpenCV3 that are difficult or impossible to install with our current OS. Many users have also been asking for Docker to create portable elines. Singularity allows us to provide this functionality to our users in a secure environment. Our admins have found it easy and intuitive to use Singularity allows to singularity some of our staff have even begin to install tricky applications into wapper acripts and module files that make the Singularity environment transparent to the end user.			
Purdue University	https://www.rcac.purdue.edu/compu	ute/i Rice		11,520	Campus HPC resource				
Duratus University				70.5	Company LIDC seconds	Purdue's Intel Xeon Phi computer			
Purdue University	https://www.rcac.purdue.edu/compu				Campus HPC resource	cluster.			
Purdue University Purdue University	https://www.rcac.purdue.edu/compu				Campus HPC resource Campus HPC resource	Purdue's large memory cluster			
Purdue University Purdue University	https://www.rcac.purdue.edu/compu				Campus HPC resource	Purdue's high throughput cluster			
Purdue University	mps//www.reac.purdue.edu/compo	Carter		10,960		Singularity allows us to containerize clients previous Docker workflows without exposing us to simple root			
R Systems NA, Inc.	http://rsystemsinc.com	Oak1		1,024	Shared utility resource for commercial and acedmic clients Shared utility resource for commercial and	without exposing us to simple root escalation attacks.			
R Systems NA, Inc.	http://rsystemsinc.com	Oak2			Shared utility resource for commercial and				
R Systems NA, Inc.	http://rsystemsinc.com	HOU1			acedmic clients				
San Diego Supercomputer Center	https://www.sdsc.edu	Gordon			HPC cluster for XSEDE users				
San Diego Supercomputer Center (SDSC)	https://www.sdsc.edu	Comet			HPC Cluster for XSEDE users				
Texas Advanced Computing Center	https://portal.tacc.utexas.edu/user-g	<u>quid</u> Stampede		462,462	As a key resource in the NSF advanced				
Texas Advanced Computing Center	https://portal.tacc.utexas.edu/user-p	uid Stampede		102 400	cyberinfrastructure, Stampede supports nearly all fields of research				
UFIT Research Computing at the University of Florida	https://www.rc.ufl.edu	HiPerGator			All-purpose research computing cluster				
						We are investigating singularity containers for archiving purposes and the migration of workflows between			
Ulm University, Germany	https://www.uni-ulm.de/en/einrichtu	nge JUSTUS	550	8,800	Computational Chemistry	cloud and HPC infrastructures Singularity allowed us to use software that was otherwise impossible to install			
University of Chicago	https://rcc.uchicago.edu/	midway.rcc.uchicago.edu		24,196	University cluster	under SL6, such as TensorFlow			
University of Manitoba / Westgrid / ComputeCanada	https://www.westgrid.ca/support/sys		320	3,840	General purpose HPC cluster				
Georgia State University	https://researchsolutions.atlassian.r	net/ Orion			research				
UNF		Stark		64	Functional MRI analysis of the Brain				
Genentech, Inc.	http://www.gene.com				Research				
Rutgers University	http://sirius.hpc.rutgers.edu	sirius		22	General-purpose scientific SMP machine	Used to get around a GLIBC version requirement for binary distribution of the NCI GDC download tool on CentOS 6			
Stanford University	http://sinus.npc.rutgers.edu	sherlock			compute for Stanford University researchers	Centos 6			
Stanford University	https://srcc.stanford.edu/scg-genom	nics scq4			genomics				
		_			Bioinformatic, Systems Biology and				
The University of Leeds	http://www.arc.leeds.ac.uk	MARC1		1,236	Consumer data analytics	We installed Singularity to support http: //niak.simexp-lab.org/ So far this			
					Compute Canada academic general purpose cluster	solution was Docker based but Singularity can do the job with far less setup required on our part, so it looks			
McGill HPC Centre/Calcul Québec	http://www.hpc.mcgill.ca	guillimin	1,700			very promising.			
University of Arizona		Ocelote	350		General Research	E-1			
University of Arizona		ElGato	146		GPU cluster, primarily astronomy	First use case is machine learning Users have been asking for containers for years, but I've always resisted. Singularity addressed the majority of my complaints and couldn't have been easier to install.			
Washington University in St. Louis	http://chpc.wustl.edu				General purpose cluster	easier to install.			
University of California, Berkeley	http://research-it.berkeley.edu/servii	ces Savio			Institutional HPC for research				
University of Connecticut Cold Spring Harbor Laboratory	http://hpc.uconn.edu http://cshl.edu	blacknblue	263	6,248	biology				
Unité de bioinformatique Structurale (Institut Pasteur)	https://csni.edu https://research.pasteur.fr/en/team/s	stru labcluster	58		protein structure, cryoEM, NMR	singularity+warewulf+centos: winning combo			
University of Florida Research Computing	https://www.rc.ufl.edu	HiPerGator	-		Everything you can think of				
University of California San Francisco, UCSF Helen Diller Family Comprehensive Cancer Center	http://cbc.ucsf.edu/hpc		25	1,024	science				
University of Leeds	http://arc.leeds.ac.uk/	marc1			Big Data				
University of Leeds, UK	http://arc.leeds.ac.uk/	arc3			General purpose				
University of Leeds, UK	http://arc.leeds.ac.uk/	arc0			Development				
Novartis Institute for Biomedical Research NA		District Theoretic			Drug discovery				
INA		ShallowThought		20	Research				

Name of Site/Organization	URL of the site or resource	Resource or System Name	Size of Resource (nodes)	Size of Resource (cores)	Purpose of the System	Notes or comments						
						Singularity is a fabulous tool for providing forward and backward						
University of Michigan	http://arc-ts.umich.edu/	Cluster	1.300	20.000	General purpose HPC for U Michigan	software compatibility on clusters and for reproducibility.						
Indiana University	https://kb.iu.edu/d/bezu	Karst	256		general purpose, high throughput	ioi reproducibility.						
Boston Children's Hospital	http://www.crl.med.harvard.edu/	Raiot	230		Neuroimaging							
Social Gillarens Hospital	III.D. WWW.GI.III.CG.IIG. TGI G.CGG.		·		recordinging	Our small cluster has a test installation						
South African National Bioinformatics Institute				400	Bioinformatics	of Singularity as a prototype for our use of Singularity on larger systems such as the Centre for High Performance						
The George Washington University	http://www.sanbi.ac.za https://colonialone.gwu.edu/	colonialone	232		Diverse across multiple Faculties	Computing's cluster						
Center for Genomic Regulation (CRG)	http://www.crg.eu	colonialone	150		Genomic research							
Senter for Genomic Regulation (CRG)	http://www.cig.eu		150	2/20	Genoriic research	We use Singularity to allow us to run						
Rutgers University California Institute of Technology - High Energy Physics	http://sirius.hpc.rutgers.edu http://hep.caltech.edu/tier2/	sirius T2_US_Caltech	1 310	02	Various scientific/interactive software, large SMP machine LHC CMS Experiment, Open Science Grid	We use Singularity to allow us to run the NCI GDC client binary on CentOS 6 (requires newer glibc I think it was)						
Sallottia institute of reciliology - riigh Energy Physics	http://lep.caitecir.edu/tier2/	12_03_catecii	310	7700	Eric onio Experiment, Open ocience onio	Singularity helped us to overcome						
National Supercomputing Center IT4Innovations	http://www.it4i.cz/	Anselm	209	3344	General HPC cluster	Singularity helped us to overcome RHEL/CentOS 6 container barrier.						
						Singularity helped us to overcome RHEL/CentOS 6 container barrier.						
National Supercomputing Center IT4Innovations	http://www.it4i.cz/	Salomon	1008	24192	General HPC cluster	RHEL/CentOS 6 container barrier.						
University of Oslo	http://www.uio.no/english/services/it/r	g Abel	750	11000	Instead of massively parallell applications, the primary application profile is for moderately to smaller parallel applications with high to and/or memory demand. Frequent users of Abel are from the life sciences, astrophysics, geophysics, chemistry and also humanities	Our focus is mainly on containers converted from Docker to singularity [1]						
						Singularity is installed as a module to						
University of Oslo	http://www.uio.no/english/services/it/r	e: Colossus	75	2150	HPC for sensitive data	mainly run Docker converted containers						
Tufts University	https://it.tufts.edu/hpc	Jumbo	236		General purpose campus level cluster.							
MBB platform	http://mbb.univ-montp2.fr	cluster-mbb	40		bioinformatic							
Universidad del Valle	http://lascilab.univalle.edu.co/	Uchuva	16		Research							
Kimel Family Imaging-Genetics Lab	http://www.camh.ca/en/research/rese		20		MR Imaging Research							
Penguin Computing On Demand	https://pod.penguincomputing.com/	POD	576		Public HPC on Demand Cloud							
Indiana University	https://kb.iu.edu/d/bcqt	BigRedII-Cray-XE6-XK7	1020	21824	high-performance parallel computing							
Army Research Laboratory	https://www.arl.army.mil/	CST	8	128	Research TestBed	Singularity is the best option among the big three considerations for HPC						
Haxbylab/ PBS / Dartmouth college		hydra	8	128	neuroimaging	runs NeuroDebian ;)						
Dartmouth College	http://rc.dartmouth.edu	Discovery	168	3200	General purpose. (Bioinformatics Brain Sciences Physics Chemistry Music Astro Geo graphy etc							
NCPL			20									
UT Southwestern BioHPC	https://biohpc.swmed.edu	Nucleus	148		Biomedical Research							
CESGA	https://www.cesga.es/en/inicio	FinisTerrae-II	320		Supercomputing in different scientific areas							
Oak Ridge Leadership Computing Facility	https://www.olcf.ornl.gov	Titan	18688	299008	DOE Leadership Computing	please email hpc@yale.edu with						
Yale University	http://research.computing.yale.edu/fa		326		life sciences	questions or feedback						
University of Sheffield	http://docs.hpc.shef.ac.uk/en/latest/sh	na ShARC	140	2300	General use University cluster							
SURFsara	http://docs.surfsaralabs.nl/projects/gri	id Gina	302	6584	General HTC system							
						Singularity is mainly used to install and run software requiring a recent version of GLIBC						
University of Franche-Comté, France	http://meso.univ-fcomte.fr	MesoComte	144		General purpose HPC cluster	of GLIBC						
Free University of Brussels	https://cc.ulb.ac.be/hpc	Hydra	130	2636	Whatever our researchers do!							
University of Cape Town	http://hpc.uct.ac.za	Hex	30	1400	Multi-disiplinary	This is a brilliant containerization technology which will gain traction very quickly.						
Yale University	http://research.computing.vale.edu/ru	od Preddle	171	2600	Bioinformatics / Genome Analysis	please email hpc@yale.edu with questions or feedback						
RIIM	http://esearch.computing.yale.edu/u	Roddie	3		Learning							
University of Utah	http://www.chpc.utah.edu	kingspeak	382		Pretty much everything	Support software that is not easy to deploy on our clusters CentOS7 OS. Singularity has made life easier for						
Case Western Reserve University	https://sites.google.com/a/case.edu/h	ID.	213		Local Cluster	HPC admin						
National Renewable Energy Lab	http://hpc.nrel.gov	tanager	8	320	computer vision and machine learning							
New York Genome Center	https://www.nygenome.org		600									
Tartu Ülikool	http://hpc.ut.ee/	Rocket	135		University cluster							
The Hong Kong University of Science & Technology	https://itsc.ust.hk/services/academic-		81		Faculty Research	We are using CentOS6 and not able to use Ten	nsorFlow without Singularity. It helps ut	s a lot.				
New York University		C/High+Performance+Computing+at+NYU		5932	General HPC resources for NYU researchers							
University of Houston/CACDS	https://www.cacds.uh.edu/researchre		80									
NSC	https://www.nsc.liu.se/systems/triolith		1017		General purpose HPC cluster							
NSC Centrale Nantes SuperComputing, France	https://www.nsc.liu.se/systems/gamm https://supercomputing.ec-nantes.fr	a Gamma Liger	240 266		General purpose HPC cluster	de and simulation binary desired	affebres mindrell - 4		al and anaders:			
Centrale Nantes SuperComputing, France ETH Zürich	https://supercomputing.ec-nantes.fr https://www.ethz.ch	Liger	266 40	6384	Research in CFD, advanced numerical method	ds and simulation, biomechanics, deep-learning,	g, unsnore windmin and numerical engin	neering with industr	and academic partners	•		
University of Tübingen	http://www.etnz.cn http://www.uni-tuebingen.de/	OBIC-CEC	25	40.4	Quantitative Biology and Personalized Medici	no.						
University of Tübingen University of Tübingen	http://www.uni-tuebingen.de/ http://www.zdv.uni-tuebingen.de/diens		300		Bioinformatics, Astrophysics	We use Singularity for software that cannot be	provided by our module system. We m	nainly use convertor	Docker containers but h	uild also new contains	ers for very specific o	oftware by user request
	https://it.wvu.edu/research/research-		165		General purpose shared HPC system	on guardy for software that callful be	p	y doc convente	onc. oc.amicia, but t	also new contains	ior rory specialCS	
			68		Astronomy data processing and simulation	Singularity added for data processing						
West Virginia University		cuillin			Multi-disciplinary campus cluster	Various uses, but particularly useful for bio tools	ls and those requiring large numbers of	f dependencies whi				
	http://www.roe.ac.uk/ifa https://docs.hpc.gmul.ac.uk	cuillin Apocrita	250	5000					ch are not feasible to othe	erwise install on a share	red system.	
West Virginia University Institute for Astronomy, University of Edinburgh	http://www.roe.ac.uk/ifa https://docs.hpc.gmul.ac.uk						, ,		ch are not feasible to othe	erwise install on a share	red system.	
West Virginia University Institute for Astronomy, University of Edinburgh Queen Mary University of London (QMUL)	http://www.roe.ac.uk/ifa	Apocrita	250	1300	Shared Stanford/XSEDE multiGPU cluster (1 General HPC Resource Used by Johns Hopk	http://xstream.stanford.edu/docs/singularity/			ch are not feasible to oth	erwise install on a shar	red system.	
West Virginia University Institute for Astronomy, University of Edinburgh Queen Mary University of London (QMUL) Stanford University	http://www.roe.ac.uk/ifa https://docs.hpc.qmul.ac.uk http://xstream.stanford.edu/	Apocrita XStream	250 65	1300 21792	Shared Stanford/XSEDE multiGPU cluster (1	http://xstream.stanford.edu/docs/singularity/			ch are not feasible to oth	erwise install on a shar	red system.	
West Virginia University Institute for Astronomy, University of Edinburgh Queen Mary University of London (QMUL) Stanford University Maryland Advanced Research Computing Center	http://www.roe.ac.uk/ifa https://docs.hpc.qmul.ac.uk http://xstream.stanford.edu/ https://www.marcc.jhu.edu/	Apocrita XStream BlueCrab	250 65 854	1300 21792 3024	Shared Stanford/XSEDE multiGPU cluster (1 General HPC Resource Used by Johns Hopk	http://xstream.stanford.edu/docs/singularity/			ch are not feasible to oth	erwise install on a shar	red system.	
West Virginia University Institute for Astronomy, University of Edinburgh Queen Mary University of London (QMUL) Stanford University Manyland Advanced Research Computing Center University of Luxembourg	http://www.roe.ac.uk/ifa https://docs.hpc.qmul.ac.uk http://xstream.stanford.edu/ https://www.marcc.jhu.edu/ https://hpc.uni.lu	Apocrita XStream BlueCrab	250 65 854 108	1300 21792 3024 3440	Shared Stanford/XSEDE multiGPU cluster (1 General HPC Resource Used by Johns Hopk General purpose HPC resource	http://xstream.stanford.edu/docs/singularity/			ch are not feasible to other	erwise install on a shar	red system.	
West Virginia University Institute for Astronomy, University of Edinburgh Queen Mary University of London (QMUL) Stanford University Maryland Advanced Research Computing Center University of Luxembourg University of Luxembourg	http://www.roe.ac.uk/ifa https://docs.hpc.qmul.ac.uk http://xstream.stanford.edu/ https://www.marcc.jhu.edu/ https://hpc.uni.lu https://hpc.uni.lu	Apocrita XStream BlueCrab Iris Gaia Chaos	250 65 854 108 273	1300 21792 3024 3440 1120	Shared Stanford/XSEDE multiGPU cluster (1 General HPC Resource Used by Johns Hopk General purpose HPC resource General purpose HPC resource	http://xstream.stanford.edu/docs/singularity/			ch are not feasible to oth	erwise install on a shar	red system.	
West Verginia University Institute for Astronomy, University of Edinburgh Queen Mary University of London (QMUL) Stanford University Manyland Advanced Research Computing Center University of Luxembourg University of Luxembourg University of Luxembourg	http://www.roe.ac.uk/ifa https://docs.ppc.gmul.ac.uk http://sstream.stanford.edu/ https://www.marcc.jhu.edu/ https://hpc.uni.lu https://hpc.uni.lu https://hpc.uni.lu	Apocrita XStream BlueCrab Iris Gaia Chaos	250 65 854 108 273 81	1300 21792 3024 3440 1120 360 7736	Shared Stanford/XSEDE multiGPU cluster (1 General HPC Resource Used by Johns Hopk General purpose HPC resource General purpose HPC resource General purpose HPC resource General scientific and medical research	http://xstream.stanford.edu/docs/singularity/			ch are not feasible to oth	erwise install on a shar	red system.	

