

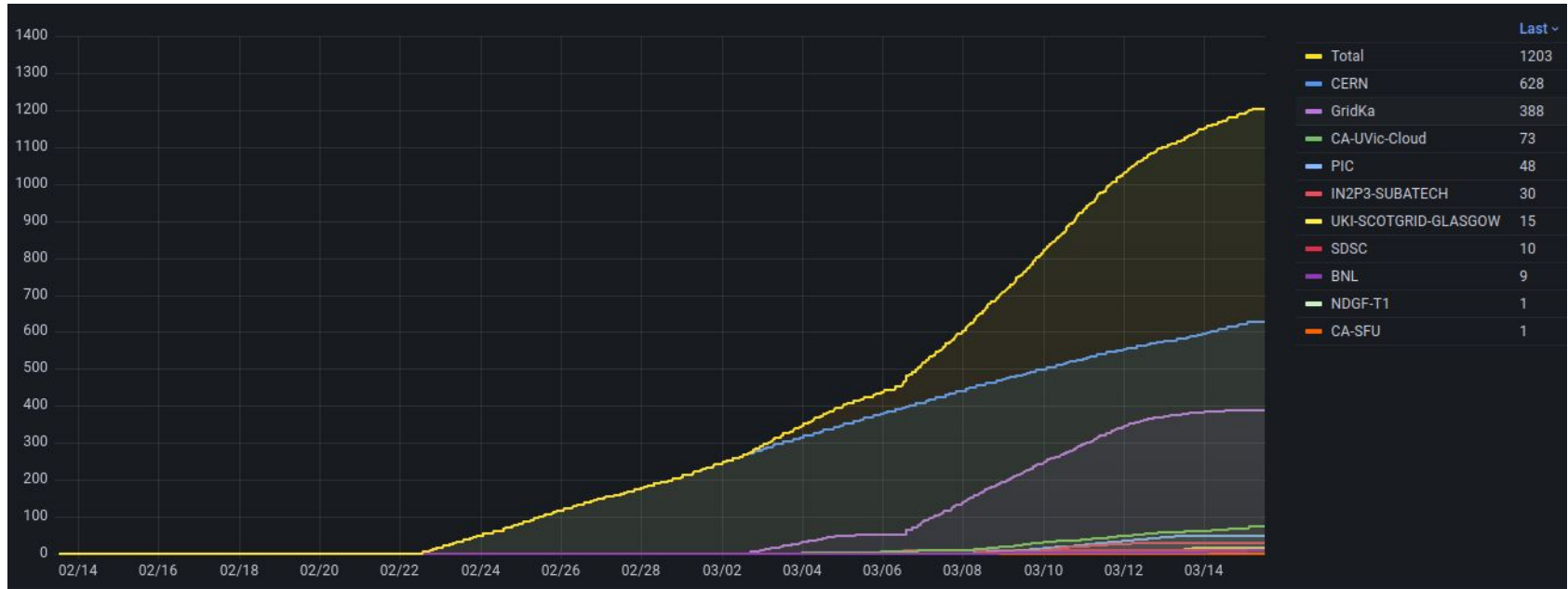


HS23 Campaign Status Update

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CERN IT

HEP-SCORE deployment TF
15 March 2023

Cumulative Entries I



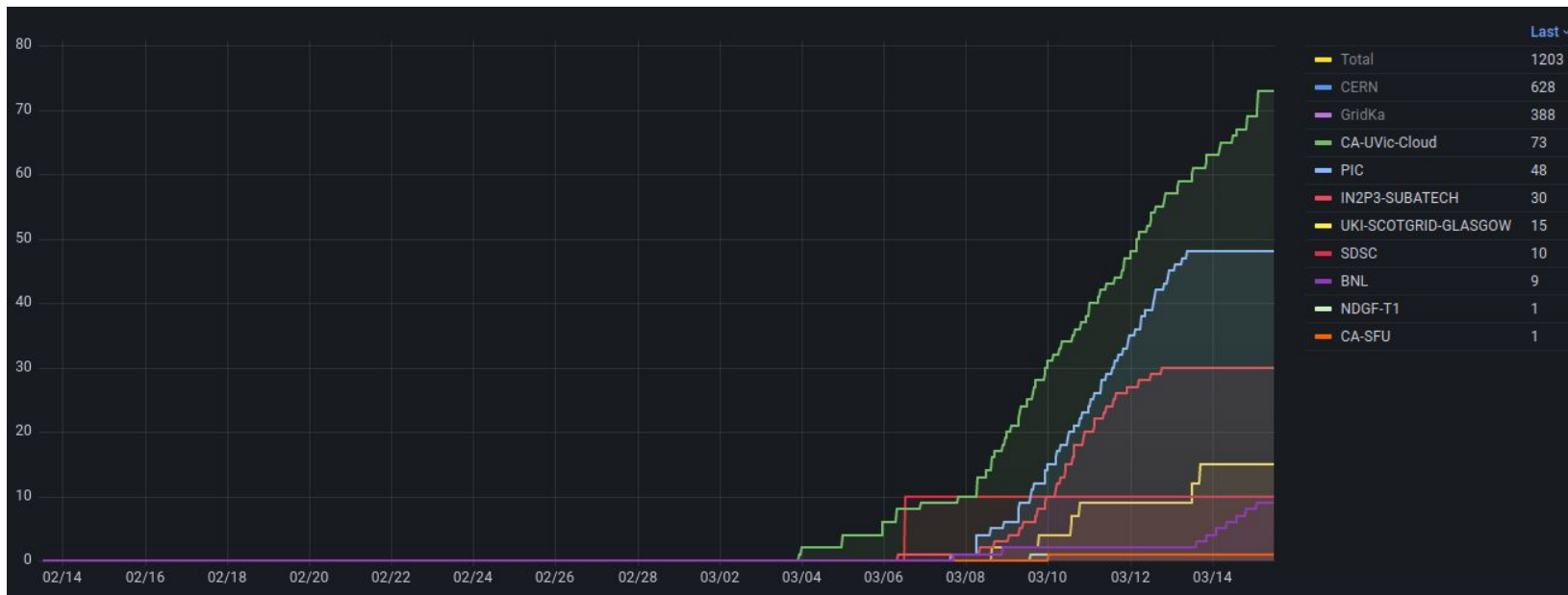
Total

Cumulative Entries II





All sites

Cumulative Entries III





Close-up

Success Rate I

CPU_Model 	SMT_Enabled	Online_CPUs_list	Site	Successful	Failed	Total 	Success Rate
AMD EPYC 7302 16-Core Processor	1	0-63	CERN	122		122	1
AMD EPYC 7742 64-Core Processor	1	0-255	GridKa	98	4	102	0.961
Intel(R) Xeon(R) Gold 6326 CPU @ 2.90GHz	1	0-63	CERN	100		100	1
Intel(R) Xeon(R) Silver 4216 CPU @ 2.10GHz	1	0-63	CERN	82		82	1
Intel(R) Xeon(R) CPU E5-2680 v4 @ 2.40GHz	1	0-55	CERN	81		81	1
Intel(R) Xeon(R) CPU E5-2630 v3 @ 2.40GHz	1	0-31	CERN	80		80	1
Intel(R) Xeon(R) CPU E5-2630 v3 @ 2.40GHz	1	0-31	GridKa	80		80	1
Intel(R) Xeon(R) CPU E5-2650 v4 @ 2.20GHz	1	0-47	CERN	80		80	1
Intel(R) Xeon(R) CPU E5-2665 0 @ 2.40GHz	1	0-31	GridKa	75		75	1
Intel(R) Xeon(R) CPU E5-2660 v3 @ 2.60GHz	1	0-39	GridKa	60		60	1
Intel(R) Xeon(R) CPU E5-2670 0 @ 2.60GHz	1	0-31	CA-UVic-Cloud	38		38	1
AMD EPYC 7702 64-Core Processor	1	0-255	GridKa	30	3	33	0.909
Intel(R) Xeon(R) CPU E5-2670 0 @ 2.60GHz	1	0-31	GridKa	33		33	1
Intel(R) Xeon(R) Gold 6130 CPU @ 2.10GHz	1	0-63	CERN	32		32	1
Neoverse-N1	0	0-159	CERN	32		32	1
Intel(R) Xeon(R) Gold 6226 CPU @ 2.70GHz	1	0-47	CA-UVic-Cloud	25		25	1
Intel(R) Xeon(R) Gold 5218 CPU @ 2.30GHz	1	0-63	CERN	19		19	1
AMD EPYC 7452 32-Core Processor	1	0-127	PIC	16		16	1

Success Rate II

CPU_Model 	SMT_Enabled	Online_CPUs_list	Site	Successful	Failed	Total 	Success Rate
Intel(R) Xeon(R) CPU E5-2640 v3 @ 2.60GHz	1	0-31	PIC	16		16	1
Intel(R) Xeon(R) CPU E5-2680 v4 @ 2.40GHz	1	0-55	PIC	16		16	1
AMD EPYC 7742 64-Core Processor	0	0-127	SDSC	10		10	1
Intel(R) Xeon(R) CPU E5520 @ 2.27GHz	0	0-7	IN2P3-SUBATECH	5	5	10	0.500
Intel(R) Xeon(R) CPU E5-2407 v2 @ 2.40GHz	0	0-7	IN2P3-SUBATECH	10		10	1
Intel(R) Xeon(R) CPU E5-2630 v4 @ 2.20GHz	1	0-39	IN2P3-SUBATECH	10		10	1
Intel(R) Xeon(R) Gold 6252 CPU @ 2.10GHz	1	0-95	BNL	9		9	1
not_available	0	0-79	UKI-SCOTGRID-GL...	5	1	6	0.833
Intel(R) Xeon(R) CPU E5520 @ 2.27GHz	1	0-15	CA-UVic-Cloud		5	5	NaN
AMD EPYC 7643 48-Core Processor	1	0-95	UKI-SCOTGRID-GL...	4	1	5	0.800
Intel(R) Xeon(R) CPU E5-2670 0 @ 2.60GHz	0	0-15	GridKa	5		5	1
AMD EPYC 7513 32-Core Processor	1	0-127	UKI-SCOTGRID-GL...		4	4	NaN
Intel(R) Xeon(R) CPU E5-2695 v3 @ 2.30GHz	0	0-27	CA-UVic-Cloud	2		2	1
Intel(R) Xeon(R) Platinum 8260 CPU @ 2.40GHz	0	0-47	CA-SFU		1	1	NaN
AMD EPYC 7452 32-Core Processor	1	0-127	CA-UVic-Cloud	1		1	1
Intel Core Processor (Haswell, no TSX, IBRS)	0	0-23	NDGF-T1	1		1	1
Intel(R) Xeon(R) CPU E5-2630 v3 @ 2.40GHz	1	0-31	CA-UVic-Cloud	1		1	1
Intel(R) Xeon(R) CPU E5-2670 v3 @ 2.30GHz	1	0-47	CA-UVic-Cloud	1		1	1

Machines missing entries

CPU_Model 📶	SMT_Enabled	Online_CPUs_list	Site	Successful	Failed	Total ↓	Success Rate
Intel(R) Xeon(R) Gold 6252 CPU @ 2.10GHz	1	0-95	BNL	9		9	1
not_available	0	0-79	UKI-SCOTGRID-GL...	5	1	6	0.833
Intel(R) Xeon(R) CPU E5520 @ 2.27GHz	1	0-15	CA-UVic-Cloud		5	5	NaN
AMD EPYC 7643 48-Core Processor	1	0-95	UKI-SCOTGRID-GL...	4	1	5	0.800
Intel(R) Xeon(R) CPU E5-2670 0 @ 2.60GHz	0	0-15	GridKa	5		5	1
AMD EPYC 7513 32-Core Processor	1	0-127	UKI-SCOTGRID-GL...		4	4	NaN
Intel(R) Xeon(R) CPU E5-2695 v3 @ 2.30GHz	0	0-27	CA-UVic-Cloud	2		2	1
Intel(R) Xeon(R) Platinum 8260 CPU @ 2.40GHz	0	0-47	CA-SFU		1	1	NaN
AMD EPYC 7452 32-Core Processor	1	0-127	CA-UVic-Cloud	1		1	1
Intel Core Processor (Haswell, no TSX, IBRS)	0	0-23	NDGF-T1	1		1	1
Intel(R) Xeon(R) CPU E5-2630 v3 @ 2.40GHz	1	0-31	CA-UVic-Cloud	1		1	1
Intel(R) Xeon(R) CPU E5-2670 v3 @ 2.30GHz	1	0-47	CA-UVic-Cloud	1		1	1

Missing CPUs

- ❑ CPUs appearing in past benchmark results which haven't run HS23

- Please check if they are still around!
- Especially interesting
 - Allow comparison vs past entries

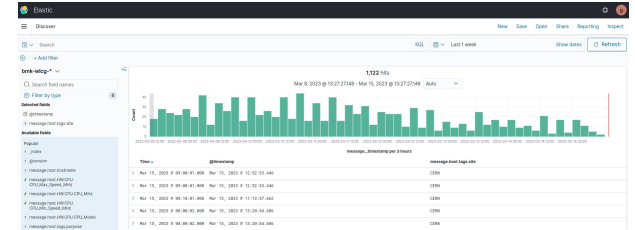
CPU_Model ▾	Site ↑ ▾
Intel(R) Xeon(R) CPU E5-2660 0 @ 2.20GHz	CA-UVic-Cloud
Intel(R) Xeon(R) Gold 6334 CPU @ 3.60GHz	CaltechLIGO
Intel(R) Xeon(R) Gold 6326 CPU @ 2.90GHz	CaltechLIGO
Intel(R) Xeon(R) E-2374G CPU @ 3.70GHz	CaltechLIGO
Intel(R) Xeon(R) CPU E3-1240 v5 @ 3.50GHz	CaltechLIGO
AMD EPYC 7763 64-Core Processor	CaltechLIGO
AMD EPYC 75F3 32-Core Processor	CaltechLIGO
AMD EPYC 7573X 32-Core Processor	CaltechLIGO
AMD EPYC 7543 32-Core Processor	CaltechLIGO
AMD EPYC 74F3 24-Core Processor	CaltechLIGO
AMD EPYC 7313 16-Core Processor	CaltechLIGO
Intel(R) Xeon(R) Silver 4316 CPU @ 2.30GHz	CC-IN2P3
Intel(R) Xeon(R) Silver 4314 CPU @ 2.40GHz	CC-IN2P3
Intel(R) Xeon(R) Silver 4114 CPU @ 2.20GHz	CC-IN2P3
Intel(R) Xeon(R) Gold 6326 CPU @ 2.90GHz	CC-IN2P3
Intel(R) Xeon(R) Gold 5320 CPU @ 2.20GHz	CC-IN2P3
Intel(R) Xeon(R) CPU E5-2680 v2 @ 2.80GHz	CC-IN2P3
Intel(R) Xeon(R) CPU E5-2650 v4 @ 2.20GHz	CC-IN2P3
AMD EPYC 7513 32-Core Processor	CC-IN2P3
AMD EPYC 7453 28-Core Processor	CC-IN2P3
AMD EPYC 7443 24-Core Processor	CC-IN2P3
AMD EPYC 7313 16-Core Processor	CC-IN2P3
AMD EPYC 7302 16-Core Processor	CC-IN2P3
Intel(R) Xeon(R) CPU E5-2630 v4 @ 2.20GHz	CCPL-SUBATECH
Neoverse-N1	CERN

CPU_Model ▾	Site ↑ ▾
Intel(R) Xeon(R) Gold 6326 CPU @ 2.90GHz	CERN
Intel(R) Xeon(R) Gold 5118 CPU @ 2.30GHz	GridKa
Intel(R) Xeon(R) CPU E5-2630 v4 @ 2.20GHz	GridKa
Intel(R) Xeon(R) CPU E5630 @ 2.53GHz	GridKa
AMD Opteron(tm) Processor 6376	GridKa
AMD Opteron(tm) Processor 6174	GridKa
AMD EPYC 7713 64-Core Processor	GridKa
AMD EPYC 7702 64-Core Processor	GridKa
Intel(R) Xeon(R) Gold 5118 CPU @ 2.30GHz	GridKa-Tier3
AMD EPYC 7713 64-Core Processor	GridKa-Tier3
Intel(R) Xeon(R) Gold 6338 CPU @ 2.00GHz	IHEP
Intel(R) Xeon(R) Gold 6258R CPU @ 2.70GHz	IHEP
Intel(R) Xeon(R) Gold 6248 CPU @ 2.50GHz	IHEP
Intel(R) Xeon(R) Gold 6238R CPU @ 2.20GHz	IHEP
Intel(R) Xeon(R) Silver 4216 CPU @ 2.10GHz	IJCLAB
AMD EPYC 7702 64-Core Processor	IJCLAB
Intel(R) Xeon(R) Silver 4210 CPU @ 2.20GHz	IN2P3-SUBATECH
Intel(R) Xeon(R) CPU E5-2697 v4 @ 2.30GHz	INFN-T1
AMD EPYC 7351 16-Core Processor	INFN-T1
Intel(R) Xeon(R) Gold 6148 CPU @ 2.40GHz	Nikhef
Intel(R) Xeon(R) CPU E5-2680 v3 @ 2.50GHz	Nikhef
Intel(R) Xeon(R) CPU E5-2650 v4 @ 2.20GHz	Nikhef
AMD EPYC 7H12 64-Core Processor	Nikhef
AMD EPYC 7702P 64-Core Processor	Nikhef
AMD EPYC 7551P 32-Core Processor	Nikhef

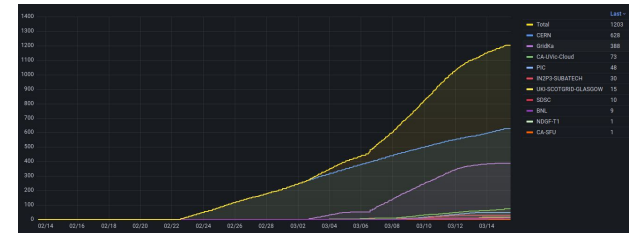


Process Summary

- ❑ Download our script from [Gitlab](#)
 - Make sure you have the latest version!
 - March 7, 2023, 6:36 PM
 - New versions coming up (including versioning)
- ❑ Use the new options to run it
 - `./run_HEPscore.sh -s SITE -p -c ./cert.pem -k ./key.pem`
 - `./run_HEPscore.sh --help` to see all options
- ❑ `bmksend` available to send results
 - `bmksend -c {SUITE_CONFIG_FILE} {SUITE_RESULTS_DIR}`
 - `--dryrun` option available to check the files to be sent
 - Recursively traverses the results dir(s)
 - Doesn't create duplicates! 😊



Kibana



Grafana

Q&A