Profiler Report: ./references/linux/cprofile

TheBundle

December 10, 2023

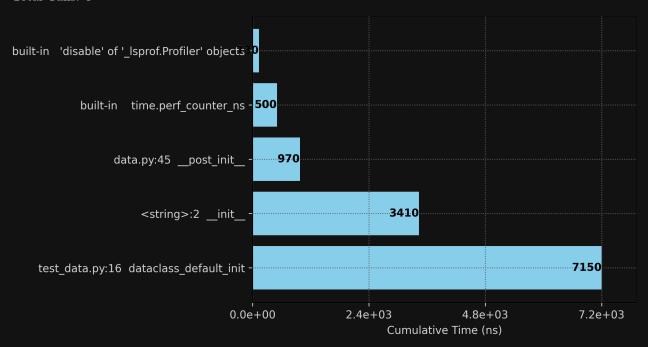
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$1 \quad { m dataclass_default_init.Data.prof}$

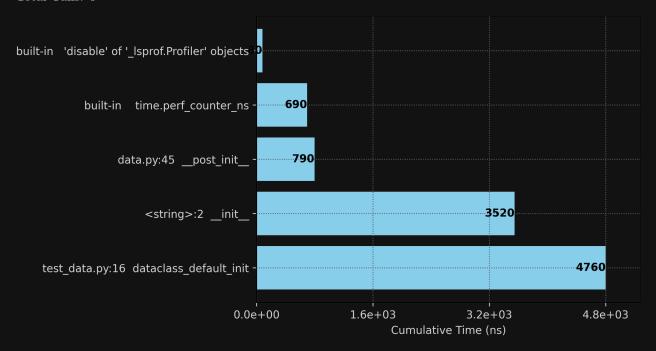
Total Calls: 5



File	Function	Total Calls	Total Time (ns)	Cumulative Time (ns)
test_data.py:16	dataclass_default_init	1	3740	7150
jstring¿:2	init	1	2440	3410
data.py:45	post_init	1	970	970
built-in	$time.perf_counter_ns$	1	500	500
built-in	'disable' of '_lsprof.Profiler' objects	1	130	130

${\bf 2} \quad data class_default_init.Nested Data.prof$

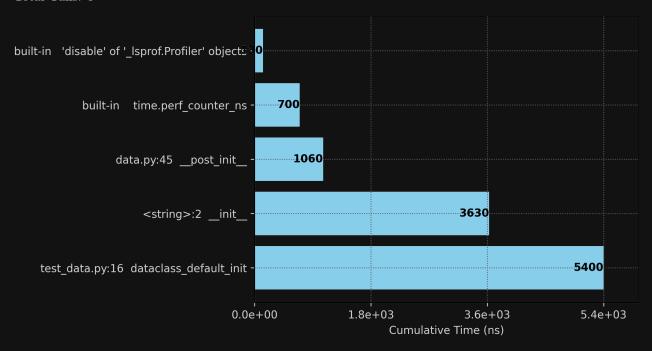
Total Calls: 6



File	Function	Total Calls	Total Time (ns)	Cumulative Time (ns)
test_data.py:16	dataclass_default_init	1	1240	4760
jstring¿:2	init	1	1730	3520
data.py:45	post_init	2	790	790
built-in	time.perf_counter_ns	1	690	690
built-in	'disable' of '_lsprof.Profiler' objects	1	80	80

${\bf 3} \quad data class_default_init.OverrideData.prof$

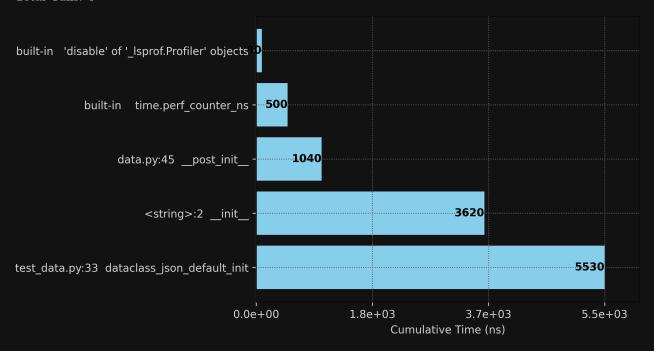
Total Calls: 5



File	Function	Total Calls	Total Time (ns)	Cumulative Time (ns)
test_data.py:16	$dataclass_default_init$	1	1770	5400
jstring¿:2	init	1	2570	3630
data.py:45	post_init	1	1060	1060
built-in	time.perf_counter_ns	1	700	700
built-in	'disable' of '_lsprof.Profiler' objects	1	130	130

${\bf 4} \quad dataclass_json_default_init.InnerDataJson.prof$

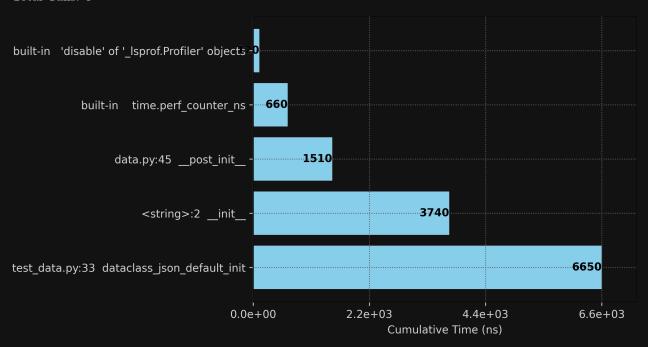
Total Calls: 5



File	Function	Total Calls	Total Time (ns)	Cumulative Time (ns)
test_data.py:33	dataclass_json_default_init	1	1910	5530
jstring¿:2	init	1	2580	3620
data.py:45	post_init	1	1040	1040
built-in	time.perf_counter_ns	1	500	500
built-in	'disable' of '_lsprof.Profiler' objects	1	90	90

${\bf 5} \quad dataclass_json_default_init.JSONData.prof$

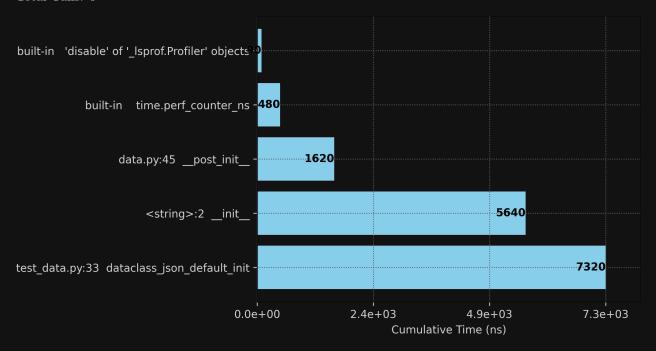
Total Calls: 5



File	Function	Total Calls	Total Time (ns)	Cumulative Time (ns)
test_data.py:33	dataclass_json_default_init	1	2910	6650
jstring¿:2	init	1	2230	3740
data.py:45	post_init	1	1510	1510
built-in	time.perf_counter_ns	1	660	660
built-in	'disable' of '_lsprof.Profiler' objects	1	120	120

${\bf 6} \quad data class_json_default_init.Nested Datajson.prof$

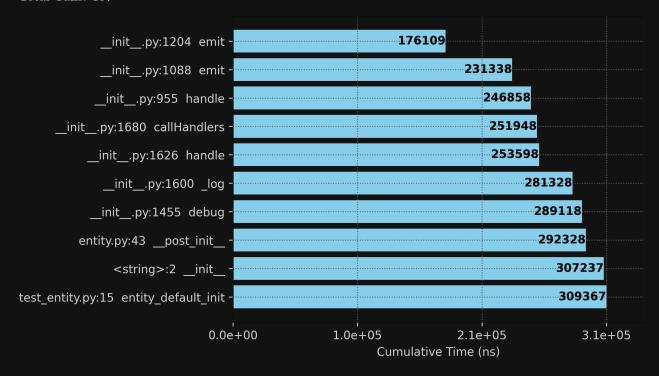
Total Calls: 6



File	Function	Total Calls	Total Time (ns)	Cumulative Time (ns)
test_data.py:33	dataclass_json_default_init	1	1680	7320
jstring¿:2	init	1	2430	5640
data.py:45	post_init	2	1620	1620
built-in	time.perf_counter_ns	1	480	480
built-in	'disable' of '_lsprof.Profiler' objects	1	90	90

7 entity_default_init.TestEntity.prof

Total Calls: 197



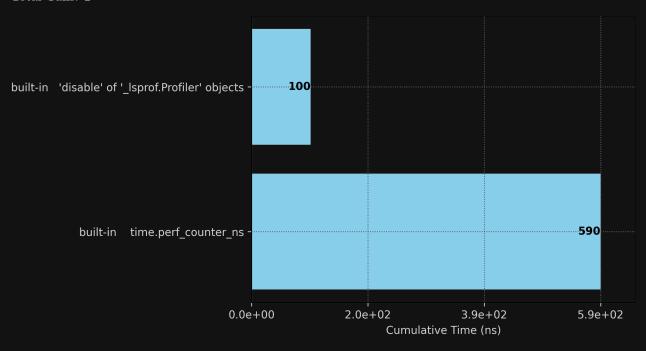
File	Function	Total Calls	Total Time (ns)	Cumulative Time (ns)
test_entity.py:15	$entity_default_init$	1	2130	309367
jstring¿:2	init	1	5020	307237
entity.py:43	post_init	1	2200	292328
_initpy:1455	debug	1	1210	289118
_initpy:1600	_log	1	1820	281328
_initpy:1626	handle	1	1300	253598
_initpy:1680	callHandlers	1	5090	251948
_initpy:955	handle	5	5490	246858
_initpy:1088	emit	5	7930	231338
_initpy:1204	emit	2	1750	176109
_initpy:1077	flush	5	6630	145379
built-in	'flush' of '_io.TextIOWrapper' objects	3	132779	132779
_initpy:932	format	4	2100	41490
logger.py:42	format	1	3300	24020
_initpy:665	format	4	3800	21250
logging.py:369	emit	2	2820	20630
_initpy:1585	makeRecord	1	910	20560
_initpy:283	init	1	10830	19650
built-in	'write' of '_io.TextIOWrapper' objects	3	18499	18499
logger.py:70	format	1	3250	17740
_initpy:359	getMessage	5	6680	11260
_initpy:183	dumps	1	1790	11200
pathlib.py:957	_new	1	1160	9889
			C	ontinued on next page

File	Function	Total Calls	Total Time (ns)	Cumulative Time (ns)
logging.py:133	format	2	1750	9570
pathlib.py:589	_from_parts	1	5100	8729
encoder.py:182	encode	1	1730	8680
initpy:649	formatMessage	4	1240	7610
encoder.py:204	iterencode	1	6600	6600
_initpy:1724	isEnabledFor	1	3270	6580
_initpy:567	init	1	1810	6450
_initpy:1549	findCaller	1	3010	5350
_initpy:912	acquire	10	3490	5020
_initpy:643	usesTime	4	1060	4590
pathlib.py:621	str	5	3000	4580
_initpy:438	format	2	640	4450
_initpy:426	validate	1	2490	4150
_initpy:919	release	10	3130	3950
_initpy:431	_format	2	3810	3810
_initpy:423	usesTime	4	2290	3530
pathlib.py:569	_parse_args	1	860	3349
posixpath.py:140	basename	1	1640	3060
pathlib.py:56	parse_parts	1	2369	2489
posixpath.py:117	splitext	1	940	2460
built-in	time.gmtime	1	1940	1940
logging.py:205	format	2	1920	1920
built-in	'acquire' of '_thread.RLock' objects	_ 11	1680	1680
built-in	'search' of 're.Pattern' objects	1	1660	1660
pathlib.py:608	_format_parsed_parts	1	1430	1580
built-in	time.strftime	1	1570	1570
_initpy:806	filter	6	1450	1450
_initpy:160	lambda	1	1170	1410
genericpath.py:121		1	1110	1360
_initpy:219	_acquireLock	1	1150	1300
built-in	'find' of 'str' objects	$\overline{4}$	1240	1240
built-in	builtins.hasattr	7	1180	1180
_initpy:119	getLevelName	i	990	1120
posixpath.py:41	_get_sep	1	880	1070
data.py:45	_post_init	1	1010	1010
built-in	'release' of '_thread.RLock' objects	11	920	920
_initpy:228	_releaseLock	1	800	900
threading.py:1430		1	730	790
posixpath.py:52	normcase	1	630	740
encoder.py:104	_init_	1	730	730
built-in	'get' of 'dict' objects	5	660	660
_initpy:1710	getEffectiveLevel	1	650	650
built-in	time.perf_counter_ns	1	580	580
built-in	builtins.isinstance	4	540	540
built-in	'rfind' of 'str' objects	3	510	510
_initpy:419	_init_	1	490	490
_initpy:1307	disable	1	460	460
built-in	posix.getpid	1	400	400
threading.py:1129		1	370	370
built-in	'flush' of '_ioIOBase' objects	$\frac{1}{2}$	310	310
Dullt-III	Hush of 10.10 base objects	<u> </u>	310	310

File	Function	Total Calls	Total Time (ns)	Cumulative Time (ns)
built-in	'write' of '_io.StringIO' objects	2	300	300
built-in	_new_ of type object at	1	280	280
	0x5615c20f99a0			
built-in	posix.fspath	3	270	270
built-in	'join' of 'str' objects	2	240	240
built-in	sysgetframe	1	240	240
built-in	'append' of 'list' objects	2	200	200
built-in	$_{ t thread.get_ident}$	2	170	170
built-in	'disable' of '_lsprof.Profiler' objects	1	170	170
built-in	time.time	1	130	130
built-in	'reverse' of 'list' objects	1	120	120
built-in	builtins.len	1	120	120

$8 \quad graph_execution_async.coroutine.prof$

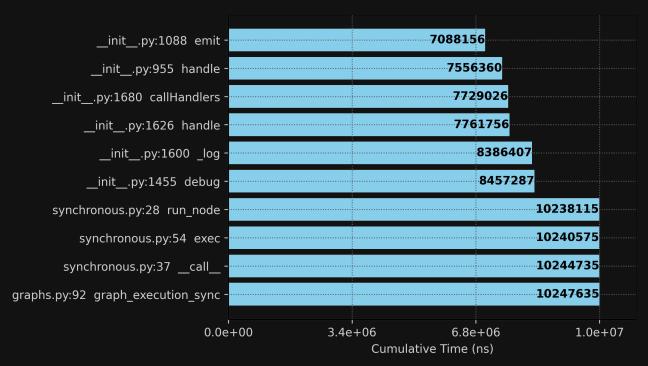
Total Calls: 2



File	Function	Total Calls	Total Time (ns)	Cumulative Time (ns)
built-in	$time.perf_counter_ns$	1	590	590
built-in	'disable' of '_lsprof.Profiler' objects	1	100	100

9 graph_execution_sync.dict.prof

Total Calls: 7724



File	Function	Total Calls	Total Time (ns)	Cumulative Time (ns)
graphs.py:92	$graph_{execution_{sync}}$	1	2900	10247635
synchronous.py:37	call	1	15360	10244735
synchronous.py:54	exec	1	2460	10240575
synchronous.py:28	run_node	1	101480	10238115
_initpy:1455	debug	38	43690	8457287
_initpy:1600	Llog	33	48629	8386407
_initpy:1626	handle	33	23690	7761756
_initpy:1680	callHandlers	33	172666	7729026
_initpy:955	handle	165	172677	7556360
_initpy:1088	emit	165	191598	7088156
_initpy:1204	emit	66	47809	5468499
_initpy:1077	flush	165	181065	4786437
built-in	'flush' of '_io.TextIOWrapper' objects	99	4405404	4405404
runners.py:8	run	5	45290	2901029
base_events.py:613	run_until_complete	15	51120	2183555
base_events.py:589	run_forever	15	65728	1954436
base_events.py:183	S2run_once	30	95109	1718439
_abc.py:30	run_sync_node	6	12860	1584939
events.py:78	_run	30	22530	1533221
built-in	'run' of '_contextvars.Context' objects	30	25930	1510691
_abc.py:35	run_async_node	5	15060	1383231
_initpy:932	format	132	64560	1064074
logger.py:42	format	33	87099	590178
logging.py:369	emit	66	67470	563632
			C	ontinued on next page

File	Function	Total Calls	Total Time (ns)	Cumulative Time (ns)
built-in	'write' of '_io.TextIOWrapper' objects	99	538098	538098
_initpy:665	format	132	116450	535806
logger.py:70	format	33	112100	494730
_initpy:1585	makeRecord	33	27770	453052
_initpy:283	init	33	202087	425282
_initpy:183	dumps	33	54639	383419
events.py:781	new_event_loop	5	4720	367369
events.py:667	new_event_loop	5	6070	341649
unix_events.py:63	init	5	5080	335579
selector_events.py:	$49 \mathrm{init}_{}$	5	22940	330499
encoder.py:182	encode	33	56900	306550
logging.py:133	format	66	63610	267887
_initpy:649	formatMessage	132	40600	248526
encoder.py:204	iterencode	33	238840	238840
_initpy:567	_init	33	67010	178740
unix_events.py:67	close	5	10550	178048
selector_events.py:		5	15860	171180
selector_events.py:		5	14580	166608
_initpy:912	acquire	330	107148	157487
_initpy:438	format	66	21730	147899
tasks.py:610	ensure_future	15	6620	140219
tasks.py:618	_ensure_future	15	18050	133599
	release	330	102260	130320
_initpy:643	usesTime	132	37600	128150
_initpy:431	_format	66	126169	126169
	2set_coroutine_origin_tracking	30	123999	123999
_initpy:1549	findCaller	33	76590	122970
selector_events.py:	93close_self_pipe	5	16390	119378
base_events.py:431		15	50249	102619
selector_events.py:		5	15100	97780
	validate	33	30750	96030
_initpy:423	usesTime	132	50280	90550
base_events.py:391		5	29340	83230
base_events.py:743		30	18890	81350
posixpath.py:117		33	31440	79567
runners.py:55	_cancel_all_tasks	5	5960	66868
built-in	'search' of 're.Pattern' objects	33	65280	65280
built-in	time.gmtime	33	62250	62250
posixpath.py:140	basename	33	35708	62228
selectors.py:452	select	30	32700	61639
tasks.py:42	all_tasks	5	15200	60908
selector_events.py:	2 68 move_reader	5	15550	60378
logging.py:205	format	66	60027	60027
abc.py:117	_instancecheck_	27	10360	57000
base_events.py:772		30	27300	56020
built-in	builtins.hasattr	267	54879	54879
socket.py:594	socketpair	5	16540	53250
_initpy:359	getMessage	165	52820	52820
_initpy:806	filter	198	50790	50790
built-in	'acquire' of '_thread.RLock' objects	332	50659	50659

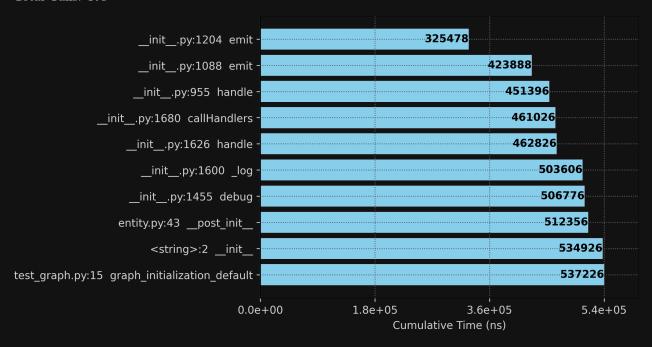
File	Function	Total Calls	Total Time (ns)	Cumulative Time (ns)
built-in	builtins.isinstance	190	29150	48350
built-in	time.strftime	33	47270	47270
built-in	_abcabc_instancecheck	27	21480	46640
base_events.py:184	_run_until_complete_cb	15	27590	45970
genericpath.py:121	_splitext	33	34408	42408
selectors.py:181	get_key	10	12019	42359
socket.py:498	close	10	6410	41770
selectors.py:352	register	5	15220	41000
built-in	'find' of 'str' objects	132	40270	40270
_weakrefset.py:63	_iter_	5	14340	39679
events.py:31	init	35	32760	39180
socket.py:494	_real_close	10	6220	35360
events.py:776	set_event_loop	10	9290	34720
coroutines.py:18	_is_debug_mode	5	10570	32500
_abc.py:33	tag	54	29530	29530
built-in	function socket.close at $0x768522f90e50$	10	29140	29140
built-in	'release' of '_thread.RLock' objects	332	28230	28230
	getitem	332 10	12310	27220
selectors.py:70	isEnabledFor	38	20580	27190
initpy:1724				
abc.py:121	_subclasscheck_ lambda	5	2900	25160
initpy:160		33	15250 7640	24220
selectors.py:366	unregister	5		24069
built-in	_abc_subclasscheck	5	22260	23520
selectors.py:348	init	5	16619	23489
events.py:736	get_event_loop_policy	15	4530	23280
asynchronous.py:3		5	13920	23270
base_events.py:582		30	15200	23180
unix_events.py:143		10	9780	23150
base_futures.py:14		30	10120	23120
built-in	'get' of 'dict' objects	165	22240	22240
encoder.py:104	_init	33	22230	22230
_collections_abc.py		5	6650	21930
weakref.py:105	init	5	10080	21680
threading.py:1430		33	18110	20630
built-in	_socket.socketpair	5	20600	20600
events.py:728	_init_event_loop_policy	1	8130	18750
_initpy:119	getLevelName	33	14190	18360
selectors.py:235	register	5	10940	18320
selectors.py:484	close	5	6340	18130
built-in	'poll' of 'select.epoll' objects	30	17929	17929
selectors.py:216	_fileobj_lookup	20	7210	17250
_weakrefset.py:27	exit	5	6640	16890
posixpath.py:52	normcase	33	12350	16270
built-in	'rfind' of 'str' objects	99	15950	15950
posixpath.py:41	_get_sep	33	10180	15890
built-in	sys.set_asyncgen_hooks	30	15850	15850
_initpy:419	_init_	33	15700	15700
built-in	builtins.len	117	13060	15650
_weakrefset.py:39	remove	15	12410	15520

File	Function	Total Calls	Total Time (ns)	Cumulative Time (ns)
os.py:675	getitem	5	8090	15280
built-in	posix.getpid	33	15000	15000
socket.py:220	init	10	14900	14900
base_events.py:696	5 time	30	10390	14590
built-in	'flush' of '_ioIOBase' objects	66	14560	14560
base_events.py:513	check_closed	80	13800	13800
events.py:661	set_event_loop	10	12810	13370
built-in	_asyncioset_running_loop	30	13360	13360
built-in	'write' of '_io.StringIO' objects	66	13219	13219
_weakrefset.py:86	add	15	10040	12470
base_events.py:659	close	5	10080	12420
coroutines.py:177	iscoroutine	20	11229	11659
weakref.py:290	update	5	9870	11600
selectors.py:21	_fileobj_to_fd	20	8270	10040
_weakrefset.py:53	_commit_removals	5	7660	9310
built-in	time.get_clock_info	5	9240	9240
built-in	posix.fspath	99	9129	9129
built-in	sysgetframe	33	8970	8970
threading.py:1129		33	8930	8930
selectors.py:248	unregister	5	4810	8750
futures.py:297	_get_loop	15	7190	8590
built-in	_thread.get_ident	81	8440	8440
graphs.py:48	exec	6	6700	8400
built-in	builtins.max	30	8200	8200
	shutdown_asyncgens	5	3270	8190
built-in	'unregister' of 'select.epoll' objects	5	7679	7679
built-in	'register' of 'select.epoll' objects	5	7460	7460
graphs.py:55	exec	5	6110	7440
_weakrefset.py:37	init	5	7350	7350
_weakrefset.py:72	_len_	10	5870	7330
built-in	'append' of 'list' objects	66	7220	7220
os.py:755	encode	5	4830	7190
base_events.py:692		45	7130	7130
built-in	_asyncioget_running_loop	35	6890	6890
selectors.py:210	_init_	5	5160	6870
base_events.py:192		55	6660	6660
unix_events.py:141		1	1590	6280
selectors.py:269	close	5	4750	5910
built-in	'close' of 'select.epoll' objects	5	5880	5880
selector_events.py:		30	5530	5530
built-in	'format' of 'str' objects	10	5200	5200
built-in	'join' of 'str' objects	43	5100	5100
_weakrefset.py:21	_enter_	5	3830	4850
base_events.py:193		5	3700	4800
events.py:642	init	1	4690	4690
events.py:64	cancel	5		
			4160	4610
built-in	time.time_ns	24	4590	4590
jstring::1	lambda	5	2940	4390
built-in	time.time	33	4320	4320
built-in	time.monotonic	30	4200	4200

File	Function	Total Calls	Total Time (ns)	Cumulative Time (ns)
built-in	$sys.get_asyncgen_hooks$	15	4120	4120
built-in	'setblocking' of '_socket.socket' objects	10	3910	3910
built-in	'add' of 'set' objects	21	3640	3640
$_{-}$ weakrefset.py:17	init	5	3599	3599
base_events.py:651	stop	15	3460	3460
built-in	'append' of 'collections.deque' objects	30	3310	3310
_initpy:219	_acquireLock	2	2950	3270
built-in	'discard' of 'set' objects	15	3110	3110
built-in	'popleft' of 'collections.deque' objects	30	2970	2970
base_events.py:686	5del	5	2190	2760
base_events.py:682		15	2560	2560
	shutdown_default_executor	5	2400	2400
	$_{ m handle_fromlist}$	1	1580	2240
built-in	'cancelled' of '_asyncio.Task' objects	15	1980	1980
tasks.py:61	setcomp	5	1959	1959
built-in	_contextvars.copy_context	5	1930	1930
ifrozen im-	parent	1	1600	1920
portlibbootstrap	1	1	1000	1320
built-in	'encode' of 'str' objects	5	1830	1830
selectors.py:64	_init	5	1710	1710
built-in	'pop' of 'list' objects	5	1650	1650
built-in	'add_done_callback' of '_asyncio.Task'	15	1550	1550
Duiit-iii	objects	10	1000	1000
selectors.py:273	get_map	10	1540	1540
built-in	'remove_done_callback' of	15	1520	1520
Dullio-III	'_asyncio.Task' objects	10	1020	1020
built-in	_new_ of type object at	5	1450	1450
Dullio-III	0x5615c20f99a0	0	1100	1100
built-in	'get_loop' of '_asyncio.Future' objects	15	1400	1400
_initpy:228	_releaseLock	$\frac{10}{2}$	1220	1390
built-in	'done' of '_asyncio.Task' objects	15	1340	1340
_initpy:1710	getEffectiveLevel	$\frac{10}{2}$	1250	1250
built-in	'fileno' of '_socket.socket' objects	10	1220	1220
built-in	'detach' of '_socket.socket' objects	10	1210	1210
built-in	'clear' of 'dict' objects	5	1160	1160
built-in	'result' of '_asyncio.Task' objects	15	1160	1160
built-in	'exception' of 'asyncio. Task' objects	15	1090	1090
built-in	'pop' of 'dict' objects	5	970	970
built-in	'remove' of 'set' objects	5	940	940
built-in	'items' of 'dict' objects	10	940	940
built-in	sys.is_finalizing	5	890	890
built-in	'clear' of 'collections.deque' objects	5	840	840
built-in	'clear' of 'list' objects	5 5	780	780
	disable	$\frac{3}{2}$	700	700
initpy:1307				
built-in	time.perf_counter_ns	1	470	470
built-in	'rpartition' of 'str' objects	1	320	320
built-in	'disable' of '_lsprof.Profiler' objects	1	190	190
built-in	'_exit_' of '_thread.lock' objects	1	180	180

$10 \quad graph_initialization_default. TestGraph A sync.prof$

Total Calls: 378



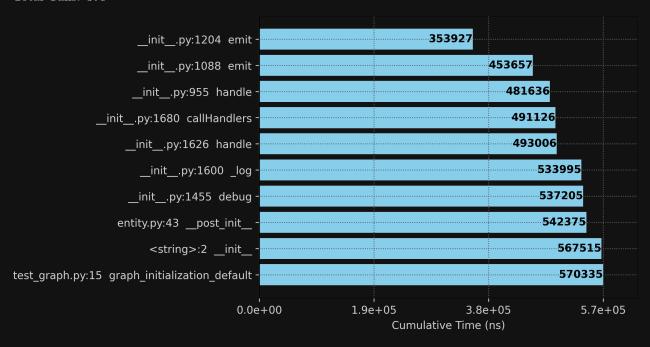
File	Function	Total Calls	Total Time (ns)	Cumulative Time (ns)
test_graph.py:15	graph_initialization_default	1	2300	537226
jstring¿:2	init	1	7350	534926
entity.py:43	post_init	2	3800	512356
initpy:1455	debug	2	2400	506776
initpy:1600	_log	2	3040	503606
initpy:1626	handle	2	1260	462826
initpy:1680	callHandlers	2	9630	461026
initpy:955	handle	10	9500	451396
initpy:1088	emit	10	12799	423888
initpy:1204	emit	4	3170	325478
initpy:1077	flush	10	11370	274569
built-in	'flush' of '_io.TextIOWrapper' objects	6	251219	251219
initpy:932	format	8	3580	71740
logger.py:42	format	2	5550	40100
initpy:665	format	8	6760	38420
logging.py:369	emit	4	4440	35610
built-in	'write' of '_io.TextIOWrapper' objects	6	34130	34130
logger.py:70	format	2	5580	30010
initpy:1585	makeRecord	2	1570	29550
initpy:283	init	2	13070	27980
initpy:183	dumps	2	3200	20140
initpy:359	getMessage	10	9900	18030
logging.py:133	format	4	3400	17420
encoder.py:182	encode	2	3250	15560
initpy:649	formatMessage	8	2210	14140

File	Function	Total Calls	Total Time (ns)	Cumulative Time (ns)
1.0	iterencode	2	11630	11630
pathlib.py:957	new	2	1500	10430
_initpy:567	init	2	3490	9930
_initpy:912	acquire	20	6489	9038
pathlib.py:589	_from_parts	2	3510	8930
_initpy:438	format	4	1110	8340
_initpy:643	usesTime	8	2230	8230
_initpy:1549	findCaller	2	4410	8190
_initpy:919	release	20	6740	8180
pathlib.py:621	_str_	10	6120	8130
_initpy:431	_format	4	7230	7230
_initpy:423	usesTime	8	3620	6000
_initpy:426	validate	2	2280	5590
pathlib.py:569	_parse_args	2	1630	5000
	basename	2	2910	4920
	splitext	2	1600	4480
logging.py:205	format	4	3590	3590
pathlib.py:56	parse_parts	2	3190	3370
built-in	'search' of 're.Pattern' objects	2	3310	3310
built-in	time.gmtime	2	3110	3110
_initpy:806	filter	12	2730	2730
built-in	time.strftime	2	2560	2560
genericpath.py:121		$\frac{1}{2}$	2070	2560
built-in	'acquire' of '_thread.RLock' objects	20	2549	2549
built-in	builtins.hasattr	14	2400	2400
built-in	'find' of 'str' objects	8	2380	2380
	lambda	2	1700	2150
pathlib.py:608	_format_parsed_parts	2	1730	2010
data.py:45	_post_init	2	1780	1780
_initpy:119	getLevelName	2	1400	1650
built-in	'release' of '_thread.RLock' objects	20	1440	1440
encoder.py:104	_init_	2	1380	1380
posixpath.py:41	_get_sep	2	1010	1380
posixpath.py:52	normcase	2	1070	1300
built-in	'get' of 'dict' objects	10	1240	1240
threading.py:1430		2	1060	1170
built-in	builtins.isinstance	8	1070	1070
built-in	'rfind' of 'str' objects	6	930	930
_initpy:419	_init	2	850	850
built-in	posix.getpid	2	840	840
built-in	'flush' of '_ioIOBase' objects	4	770	770
initpy:1724	isEnabledFor	2	770	770
built-in	'write' of '_io.StringIO' objects	4	640	640
threading.py:1129		2	590	590
built-in	posix.fspath	6	550	550
	-			
built-in	'join' of 'str' objects	4	450	450
built-in	sysgetframe	2	450	450
built-in	'append' of 'list' objects	4	420	420
built-in	_new_ of type object at	2	420	420
	0x5615c20f99a0			

File	Function	Total Calls	Total Time (ns)	Cumulative Time (ns)
built-in	time.perf_counter_ns	1	380	380
built-in	$_{ m thread.get_ident}$	4	350	350
built-in	builtins.len	2	260	260
built-in	time.time	2	220	220
built-in	'reverse' of 'list' objects	2	180	180
built-in	'disable' of '_lsprof.Profiler' objects	1	180	180

${\bf 11} \quad {\bf graph_initialization_default.TestGraphSync.prof}$

Total Calls: 378



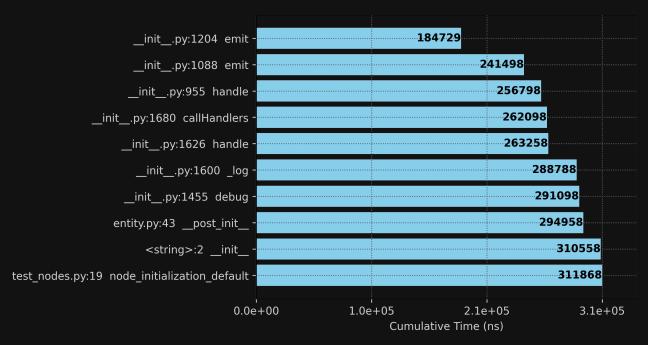
File	Function	Total Calls	Total Time (ns)	Cumulative Time (ns)
test_graph.py:15	graph_initialization_default	1	2820	570335
jstring¿:2	init	1	8240	567515
entity.py:43	post_init	2	3470	542375
initpy:1455	debug	2	2390	537205
initpy:1600	_log	2	2599	533995
initpy:1626	handle	2	1330	493006
initpy:1680	callHandlers	2	9490	491126
initpy:955	handle	10	9950	481636
initpy:1088	emit	10	12920	453657
initpy:1204	emit	4	3000	353927
initpy:1077	flush	10	12020	301637
built-in	'flush' of '_io.TextIOWrapper' objects	6	276607	276607
initpy:932	format	8	3720	74590
logger.py:42	format	2	5800	41960
initpy:665	format	8	7410	39210
logging.py:369	emit	4	4470	36680
built-in	'write' of '_io.TextIOWrapper' objects	6	33620	33620
logger.py:70	format	2	5680	30270
initpy:1585	makeRecord	2	1610	30230
initpy:283	init	2	13670	28620
initpy:183	dumps	2	3170	20780
initpy:359	getMessage	10	9810	17790
logging.py:133	format	4	3320	17760
encoder.py:182	encode	2	3110	15990
initpy:649	formatMessage	8	2370	14640

	File	Function	Total Calls	Total Time (ns)	Cumulative Time (ns)
mit_py:567		iterencode			
pathlib.py:589					
	_initpy:567			3530	10230
initpy;949	pathlib.py:589	_from_parts	2	5270	10100
	_initpy:912	acquire	20	6990	9700
			20	7000	8620
initpy:1549		format	4	1310	8520
		usesTime	8	2490	8280
pathlib.py:621		findCaller			
posixpath.py:140					
posixpath.py:140 basename					
pathlib.py:569					
logging.py:205					
built-in time.gmtime 2 3520 3520 built-in 'search' of 're.Pattern' objects 2 3430 3430 pathlib.py:56 parse_parts 2 2970 3140 built-in time.strftime 2 2950 2950 silt-in 'acquire' of 'thread.RLock' objects 20 2710 2710 genericpath.py:121_splitext 2 2010 2520 built-in builtins.hasattr 14 2360 2360 built-in 'find' of 'str' objects 8 2280 2280 pathlib.py:608 format_parsed_parts 2 1750 2050 _initpy:160 lambda 2 1540 2020 data.py:45 _post.init 2 1750 2050 _initpy:119 getLevelName 2 1490 1690 built-in 'get.bevelName 2 1490 1690 built-in get.sep 2 1620 1620 encoder.py:104		• 0			
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built-in 'write' of '_io.StringIO' objects 4 620 620 threading.py:1129 name 2 590 590 built-in 'join' of 'str' objects 4 490 490 built-in sysgetframe 2 480 480 built-in posix.fspath 6 480 480 built-in time.perf_counter_ns 1 430 430 built-in _thread.get_ident 4 390 390 built-in _new of type object at 2 380 380					
threading.py:1129 name 2 590 590 built-in 'join' of 'str' objects 4 490 490 built-in sysgetframe 2 480 480 built-in posix.fspath 6 480 480 built-in time.perf_counter_ns 1 430 430 built-in _thread.get_ident 4 390 390 built-in _new of type object at 2 380 380					
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built-in posix.fspath 6 480 480 built-in time.perf_counter_ns 1 430 430 built-in _thread.get_ident 4 390 390 built-in _new of type object at 2 380 380					
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built-innew of type object at 2 380 380					
	built-in	V 2 V	2	380	380
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File	Function	Total Calls	Total Time (ns)	Cumulative Time (ns)
built-in	'append' of 'list' objects	4	370	370
built-in	builtins.len	2	260	260
built-in	time.time	2	200	200
built-in	'disable' of '_lsprof.Profiler' objects	1	180	180
built-in	'reverse' of 'list' objects	2	170	170

${\bf 12} \quad node_initialization_default. TestNode A sync.prof$

Total Calls: 191



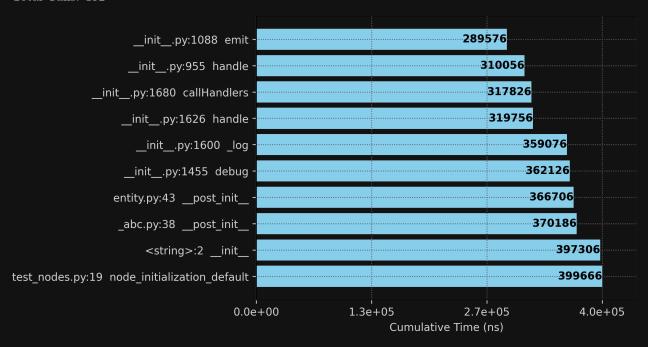
File	Function	Total Calls	Total Time (ns)	Cumulative Time (ns)
test_nodes.py:19	node_initialization_default	1	1310	311868
jstringį:2	init	1	6040	310558
entity.py:43	post_init	1	2770	294958
initpy:1455	debug	1	1510	291098
initpy:1600	_log	1	1480	288788
initpy:1626	handle	1	840	263258
_initpy:1680	callHandlers	1	5300	262098
initpy:955	handle	5	5380	256798
initpy:1088	emit	5	7920	241498
initpy:1204	emit	2	1530	184729
initpy:1077	flush	5	6810	154960
built-in	'flush' of '_io.TextIOWrapper' objects	3	140630	140630
initpy:932	format	4	2210	40939
logger.py:42	format	1	3480	23479
initpy:665	format	4	3840	21820
logging.py:369	emit	2	2650	20380
built-in	'write' of '_io.TextIOWrapper' objects	3	19460	19460
initpy:1585	makeRecord	1	880	18640
logger.py:70	format	1	3160	17909
initpy:283	init	1	8140	17760
initpy:359	getMessage	5	6130	10860
initpy:183	dumps	1	1670	10610
pathlib.py:957	new	1	1240	9560
logging.py:133	format	2	1810	9460
encoder.py:182	encode	1	1690	8320

File	Function	Total Calls	Total Time (ns)	Cumulative Time (ns)
pathlib.py:589	_from_parts	1	3730	8320
_initpy:649	formatMessage	4	1390	8130
encoder.py:204	iterencode	1	6320	6320
_initpy:567	init	1	1800	5899
_initpy:1549	findCaller	1	2800	5410
_initpy:919	release	10	4490	5330
_initpy:912	acquire	10	3750	5220
_initpy:438	format	2	880	4810
pathlib.py:621	_str_	5	3210	4730
_initpy:643	usesTime	4	1120	4600
pathlib.py:569	_parse_args	1	1130	4260
initpy:431	_format	2	3930	3930
_initpy:426	validate	1	1920	3649
_initpy:423	usesTime	4	2250	3480
posixpath.py:140	basename	1	1860	3180
pathlib.py:56	parse_parts	1	3000	3130
posixpath.py:117	splitext	1	1200	2800
built-in	time.gmtime	1	2290	2290
logging.py:205	format	$\stackrel{-}{2}$	1930	1930
built-in	'search' of 're.Pattern' objects	1	1729	1729
_initpy:160	lambda	1	1320	1590
_initpy:806	filter	6	1590	1590
pathlib.py:608	_format_parsed_parts	1	1360	1520
built-in	time.strftime	1	1489	1489
built-in	'acquire' of '_thread.RLock' objects	10	1470	1470
_initpy:119	getLevelName	1	1300	1440
genericpath.py:121		1	1170	1420
built-in	builtins.hasattr	7	1250	1250
built-in	'find' of 'str' objects	4	1230	1230
data.py:45	_post_init	1	1090	1090
posixpath.py:41	_get_sep	1	810	1000
built-in	'release' of '_thread.RLock' objects	10	840	840
built-in	time.perf_counter_ns	1	830	830
posixpath.py:52	normcase	1	730	810
_initpy:1724	isEnabledFor	1	800	800
built-in	'get' of 'dict' objects	5	740	740
threading.py:1430		1	590	650
encoder.py:104	_init	1	620	620
built-in	posix.getpid	1	550	550
built-in	builtins.isinstance	4	510	510
built-in	'rfind' of 'str' objects	3	500	500
_initpy:419	_init_	1	450	450
threading.py:1129		1	370	370
built-in	'flush' of '_ioIOBase' objects	2	350	350
built-in	_new_ of type object at	1	330	330
Dulli-III	0x5615c20f99a0	1	990	990
built-in	'write' of '_io.StringIO' objects	2	310	310
built-in	sysgetframe	1	270	270
built-in	'join' of 'str' objects	$\overset{1}{2}$	250	250
built-in	posix.fspath	3	230	230
- Janu III	postx.ispanii		200	

File	Function	Total Calls	Total Time (ns)	Cumulative Time (ns)
built-in	'append' of 'list' objects	2	200	200
built-in	$_{ m thread.get_ident}$	2	200	200
built-in	'disable' of '_lsprof.Profiler' objects	1	170	170
built-in	'reverse' of 'list' objects	1	130	130
built-in	builtins.len	1	110	110
built-in	time.time	1	100	100

$13 \quad node_initialization_default. TestNode Process.prof$

Total Calls: 192



File	Function	Total Calls	Total Time (ns)	Cumulative Time (ns)
test_nodes.py:19	$node_initialization_default$	1	2360	399666
jstring¿:2	init	1	11620	397306
_abc.py:38	post_init	1	3480	370186
entity.py:43	post_init	1	3190	366706
initpy:1455	debug	1	2280	362126
initpy:1600	_log	1	2820	359076
initpy:1626	handle	1	1440	319756
initpy:1680	callHandlers	1	7770	317826
initpy:955	handle	5	7070	310056
initpy:1088	emit	5	10350	289576
initpy:1204	emit	2	2390	223356
initpy:1077	flush	5	9620	179518
built-in	'flush' of '_io.TextIOWrapper' objects	3	161038	161038
initpy:932	format	4	3160	54528
logger.py:42	format	1	5619	34009
initpy:1585	makeRecord	1	1290	28110
initpy:283	init	1	13860	26820
initpy:665	format	4	4610	26379
logger.py:70	format	1	5020	24990
logging.py:369	emit	2	3090	23360
built-in	'write' of '_io.TextIOWrapper' objects	3	19680	19680
initpy:183	dumps	1	2650	16240
pathlib.py:957	_new	1	2670	15500
initpy:359	getMessage	5	8020	14420
pathlib.py:589	_from_parts	1	6490	12830

File	Function	Total Calls	Total Time (ns)	Cumulative Time (ns)
encoder.py:182	encode	1	2320	12590
logging.py:133	format	2	2190	10700
encoder.py:204	iterencode	1	9850	9850
_initpy:649	formatMessage	4	1950	9619
_initpy:1549	findCaller	1	4280	8390
_initpy:567	init	1	3490	8260
_initpy:912	acquire	10	5060	6850
_initpy:919	release	10	5560	6520
pathlib.py:621	_str_	5	4840	6400
pathlib.py:569	_parse_args	1	2050	6030
_initpy:643	usesTime	4	1600	5650
_initpy:438	format	2	870	5509
_initpy:431	_format	2	4639	4639
posixpath.py:140	basename	1	2510	4480
_initpy:426	validate	1	2160	4180
_initpy:423	usesTime	$\overline{4}$	2720	4050
pathlib.py:56	parse_parts	1	3870	3980
	splitext	1	1670	3760
built-in	time.gmtime	1	2380	2380
_initpy:160	lambda	1	2110	2380
_initpy:806	filter	6	2320	2320
logging.py:205	format	2	2160	2160
built-in	'search' of 're.Pattern' objects	1	2020	2020
genericpath.py:121		1	1570	1880
built-in	time.strftime	1	1850	1850
built-in	'acquire' of '_thread.RLock' objects	10	1790	1790
_initpy:119	getLevelName	1	1480	1640
built-in	builtins.hasattr	7	1610	1610
pathlib.py:608	_format_parsed_parts	1	1370	1560
posixpath.py:52	normcase	1	1380	1510
posixpath.py:41	_get_sep	1	1200	1480
data.py:45	_post_init_	1	1390	1390
built-in	'find' of 'str' objects	$\overline{4}$	1330	1330
encoder.py:104	_init_	1	1000	1000
threading.py:1430		1	870	1000
built-in	'release' of '_thread.RLock' objects	10	960	960
built-in	'get' of 'dict' objects	5	830	830
_initpy:1724	isEnabledFor	1	770	770
built-in	'rfind' of 'str' objects	3	720	720
built-in	builtins.isinstance	4	680	680
built-in	posix.getpid	1	640	640
_initpy:419	_init_	1	590	590
built-in	'write' of '_io.StringIO' objects	2	510	510
built-in	time.perf_counter_ns	1	500	500
threading.py:1129	•	1	470	470
built-in	'flush' of '_ioIOBase' objects	2	340	340
built-in	'join' of 'str' objects	2	330	330
built-in	_new_ of type object at	1	310	310
Dullo-III	0x5615c20f99a0	1	910	010
built-in	posix.fspath	3	300	300
	<u> </u>			

File	Function	Total Calls	Total Time (ns)	Cumulative Time (ns)
built-in	sysgetframe	1	270	270
built-in	$_{ m thread.get_ident}$	2	260	260
built-in	'append' of 'list' objects	2	240	240
built-in	'disable' of '_lsprof.Profiler' objects	1	230	230
built-in	time.time	1	160	160
built-in	builtins.len	1	130	130
built-in	'reverse' of 'list' objects	1	110	110

$14 \quad node_initialization_default. TestNode Process A sync.prof$

Total Calls: 192



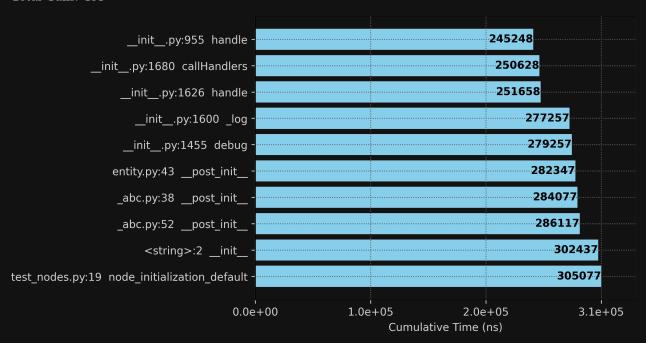
File	Function	Total Calls	Total Time (ns)	Cumulative Time (ns)
test_nodes.py:19	node_initialization_default	1	2780	383597
jstring¿:2	init	1	11830	380817
_abc.py:38	_post_init	1	2540	352817
entity.py:43	post_init	1	2380	350277
initpy:1455	debug	1	1730	346567
_initpy:1600	_log	1	2310	344207
_initpy:1626	handle	1	880	309887
initpy:1680	callHandlers	1	5270	308567
_initpy:955	handle	5	5410	303297
_initpy:1088	emit	5	8110	287297
_initpy:1204	emit	2	1550	229578
_initpy:1077	flush	5	6430	191328
built-in	'flush' of '_io.TextIOWrapper' objects	3	177708	177708
_initpy:932	format	4	2480	48999
logger.py:42	format	1	4660	30950
_initpy:1585	${ m makeRecord}$	1	1050	24730
_initpy:283	init	1	11690	23680
_initpy:665	format	4	4280	21799
logging.py:369	emit	2	2840	20509
built-in	'write' of '_io.TextIOWrapper' objects	3	20260	20260
logger.py:70	format	1	3340	18300
pathlib.py:957	_new	1	3010	16170
_initpy:183	dumps	1	2280	13790
pathlib.py:589	_from_parts	1	6550	13160
_initpy:359	$\operatorname{getMessage}$	5	6469	12919
			(Continued on next page

File	Function	Total Calls	Total Time (ns)	Cumulative Time (ns)
encoder.py:182	encode	1	2140	10810
logging.py:133	format	2	2030	9829
encoder.py:204	iterencode	1	8340	8340
_initpy:649	formatMessage	4	1450	8150
_initpy:1549	findCaller	1	3950	7280
pathlib.py:621	_str	5	5030	6450
_initpy:567	init	1	2070	6350
pathlib.py:569	_parse_args	1	1770	6080
_initpy:912	acquire	10	4210	5620
_initpy:919	release	10	4340	5160
_initpy:643	usesTime	4	1280	4700
_initpy:438	format	2	680	4670
pathlib.py:56	parse_parts	1	4230	4310
posixpath.py:140	basename	1	2570	4100
_initpy:431	_format	2	3990	3990
_initpy:426	validate	1	2090	3720
_initpy:423	usesTime	4	2190	3420
posixpath.py:117	splitext	1	1530	3340
built-in	time.gmtime	1	2610	2610
logging.py:205	format	2	2030	2030
_initpy:160	lambda	1	1560	1820
_initpy:119	getLevelName	1	1650	1800
built-in	time.strftime	1	1640	1640
built-in	'search' of 're.Pattern' objects	1	1630	1630
_initpy:806	filter	6	1570	1570
genericpath.py:121	splitext	1	1180	1470
pathlib.py:608	_format_parsed_parts	1	1300	1420
built-in	'acquire' of '_thread.RLock' objects	10	1410	1410
data.py:45	post_init	1	1330	1330
posixpath.py:52	normcase	1	1220	1330
built-in	'find' of 'str' objects	4	1230	1230
built-in	builtins.hasattr	7	1220	1220
posixpath.py:41	_get_sep	1	1010	1180
threading.py:1430		1	870	1000
built-in	'release' of '_thread.RLock' objects	10	820	820
encoder.py:104	_init	1	700	700
built-in	builtins.isinstance	4	690	690
_initpy:1724	isEnabledFor	1	630	630
built-in	'get' of 'dict' objects	5	610	610
built-in	'rfind' of 'str' objects	3	580	580
_initpy:419	init	1	560	560
built-in	new of type object at	1	530	530
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threading.py:1129		1	530	530
built-in	time.perf_counter_ns	1	490	490
built-in	posix.getpid	1	430	430
built-in	'flush' of '_ioIOBase' objects	2	380	380
built-in	'write' of '_io.StringIO' objects	$\frac{2}{2}$	300	300
built-in	'append' of 'list' objects	$\frac{2}{2}$	290	290
built-in	sysgetframe	1	260	260
Duilt-III	bybgconame	-	200	

File	Function	Total Calls	Total Time (ns)	Cumulative Time (ns)
built-in	$_{ m thread.get_ident}$	2	260	260
built-in	posix.fspath	3	240	240
built-in	'join' of 'str' objects	2	200	200
built-in	builtins.len	1	180	180
built-in	'disable' of '_lsprof.Profiler' objects	1	170	170
built-in	time.time	1	140	140
built-in	'reverse' of 'list' objects	1	80	80

$15 \quad node_initialization_default. TestNodeStreamingAsyncProcess.prof$

Total Calls: 193



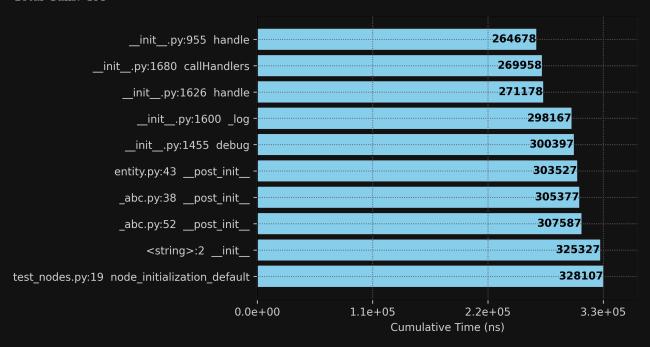
File	Function	Total Calls	Total Time (ns)	Cumulative Time (ns)
test_nodes.py:19	$node_initialization_default$	1	2640	305077
jstring¿:2	init	1	8710	302437
_abc.py:52	post_init	1	2040	286117
_abc.py:38	post_init	1	1730	284077
entity.py:43	post_init	1	1710	282347
_initpy:1455	debug	1	1410	279257
_initpy:1600	_log	1	1450	277257
_initpy:1626	handle	1	700	251658
_initpy:1680	callHandlers	1	5380	250628
_initpy:955	handle	5	5789	245248
_initpy:1088	emit	5	7500	228869
_initpy:1204	emit	2	1470	173509
_initpy:1077	flush	5	6900	143859
built-in	'flush' of '_io.TextIOWrapper' objects	3	129049	129049
_initpy:932	format	4	2150	41150
logger.py:42	format	1	3640	23550
_initpy:665	format	4	3700	21660
logging.py:369	emit	2	2570	20080
_initpy:1585	makeRecord	1	960	18860
logger.py:70	format	1	3270	18020
built-in	'write' of '_io.TextIOWrapper' objects	3	17990	17990
_initpy:283	_init_	1	8680	17900
_initpy:183	dumps	1	1560	11150
_initpy:359	getMessage	5	6060	10540
logging.py:133	format	2	1740	9470

	Function	Total Calls	Total Time (ns)	Cumulative Time (ns)
1.0	encode	1	1680	8900
	formatMessage	4	1290	7990
1 10	_new	1	1170	7610
encoder.py:204 i	terencode	1	6860	6860
pathlib.py:589	_from_parts	1	2890	6440
_initpy:567	init	1	1980	6410
initpy:912 a	acquire	10	4540	6110
_initpy:919 r	release	10	4820	5700
_initpy:1549 f	findCaller	1	2779	5289
_initpy:643 u	usesTime	4	1290	4790
_initpy:438 f	format	2	710	4650
pathlib.py:621	_str_	5	3210	4480
initpy:426	validate	1	2110	3990
_initpy:431	format	2	3940	3940
_initpy:423 u	usesTime	4	2230	3500
pathlib.py:569	_parse_args	1	970	3280
posixpath.py:140 k	oasename	1	1990	3210
posixpath.py:117 s	splitext	1	960	2500
	parse_parts	1	2210	2310
logging.py:205 f	format	2	2050	2050
~~ ~	time.gmtime	1	1880	1880
	search' of 're.Pattern' objects	1	1880	1880
	acquire' of '_thread.RLock' objects	10	1570	1570
	time.strftime	1	1520	1520
initpy:160 l	ambda	1	1260	1490
	filter	6	1490	1490
data.py:45	_post_init	1	1380	1380
genericpath.py:121_	splitext	1	1100	1370
built-in k	builtins.hasattr	7	1290	1290
built-in '	find' of 'str' objects	4	1270	1270
	_format_parsed_parts	1	1120	1270
	getLevelName	1	1120	1250
	release' of '_thread.RLock' objects	10	880	880
	_get_sep	1	710	880
	normcase	1	750	850
threading.py:1430 c	current_thread	1	640	720
	_init	1	690	690
built-in '	get' of 'dict' objects	5	650	650
initpy:1724 i	sEnabledFor	1	590	590
built-in k	builtins.isinstance	4	520	520
built-in '	rfind' of 'str' objects	3	510	510
	posix.getpid	1	500	500
	time.perf_counter_ns	1	460	460
	_init	1	440	440
threading.py:1129 r		1	380	380
	write' of '_io.StringIO' objects	$\frac{1}{2}$	350	350
	flush' of 'ioIOBase' objects	2	350	350
	posix.fspath	3	290	290
*	$_{-}$ new $_{-}$ of type object at	1	270	270
	0x5615c20f99a0			

File	Function	Total Calls	Total Time (ns)	Cumulative Time (ns)
built-in	'join' of 'str' objects	2	240	240
built-in	$sys._getframe$	1	230	230
built-in	$_{ m thread.get_ident}$	2	210	210
built-in	'append' of 'list' objects	2	190	190
built-in	'disable' of '_lsprof.Profiler' objects	1	170	170
built-in	builtins.len	1	120	120
built-in	time.time	1	110	110
built-in	'reverse' of 'list' objects	1	100	100

$16 \quad node_initialization_default. TestNodeStreamingProcess.prof$

Total Calls: 193



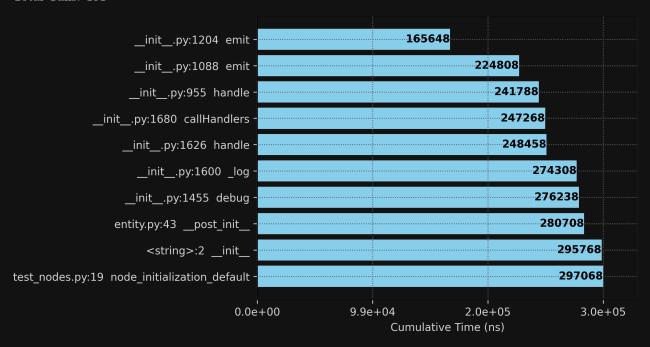
File	Function	Total Calls	Total Time (ns)	Cumulative Time (ns)
test_nodes.py:19	node_initialization_default	1	2780	328107
jstringį:2	init	1	9720	325327
_abc.py:52	post_init	1	2210	307587
_abc.py:38	post_init	1	1850	305377
entity.py:43	post_init	1	1920	303527
initpy:1455	debug	1	1750	300397
initpy:1600	_log	1	1520	298167
initpy:1626	handle	1	810	271178
initpy:1680	callHandlers	1	5280	269958
initpy:955	handle	5	5340	264678
initpy:1088	emit	5	8360	249328
initpy:1204	emit	2	1530	195669
initpy:1077	flush	5	6670	163689
built-in	'flush' of '_io.TextIOWrapper' objects	3	149829	149829
initpy:932	format	4	2190	42580
logger.py:42	format	1	3980	24610
initpy:665	format	4	3580	21010
logging.py:369	emit	2	2530	20220
initpy:1585	makeRecord	1	1070	19500
initpy:283	init	1	8480	18430
built-in	'write' of '_io.TextIOWrapper' objects	3	17409	17409
logger.py:70	format	1	3470	16980
initpy:183	dumps	1	1940	11870
_initpy:359	getMessage	5	5640	10210
logging.py:133	format	2	1990	9990

initpy:1549 findCaller	1 1 4	1750 1300 1480	9220 8020
_initpy:649 formatMessage encoder.py:204 iterencode pathlib.py:589 _from_parts _initpy:1549 findCaller	4		8020
encoder.py:204 iterencode pathlib.py:589 _from_parts _initpy:1549 findCaller		1/80	
pathlib.py:589 _from_parts _initpy:1549 findCaller	4	1400	7880
initpy:1549 findCaller	1	7130	7130
1.0	1	3080	6720
	1	3379	5969
initpy:567	1	1950	5920
initpy:912 acquire	10	4080	5570
initpy:919 release	10	4230	4960
initpy:643 usesTime	4	1210	4700
pathlib.py:621str	5	3180	4570
initpy:438 format	2	720	4350
_initpy:431 _format	2	3630	3630
_initpy:426 validate	1	1860	3550
_initpy:423 usesTime	4	2170	3490
pathlib.py:569 _parse_args	1	1020	3350
posixpath.py:140 basename	1	1850	3210
posixpath.py:117 splitext	1	1090	2790
pathlib.py:56 parse_parts	1	2230	2330
logging.py:205 format	2	2050	2050
built-in time.gmtime	1	1820	1820
_initpy:119 getLevelName	1	1570	1710
built-in 'search' of 're.Pattern	objects 1	1690	1690
_initpy:806 filter	6	1630	1630
built-in time.strftime	1	1580	1580
genericpath.py:121_splitext	1	1250	1510
built-in 'acquire' of '_thread.F	Lock' objects 10	1490	1490
_initpy:160 lambda	1	1210	1440
pathlib.py:608 _format_parsed_parts	1	1250	1390
built-in 'find' of 'str' objects	4	1320	1320
data.py:45post_init	1	1210	1210
built-in builtins.hasattr	7	1170	1170
posixpath.py:41 _get_sep	1	820	1000
posixpath.py:52 normcase	1	860	970
built-in 'release' of '_thread.R	Lock' objects 10	730	730
encoder.py:104init	1	710	710
threading.py:1430 current_thread	1	620	700
built-in 'get' of 'dict' objects	5	630	630
built-in builtins.isinstance	4	560	560
built-in posix.getpid	1	550	550
built-in 'rfind' of 'str' objects	3	510	510
built-in time.perf_counter_ns	1	490	490
_initpy:1724 isEnabledFor	1	480	480
_initpy:419	1	420	420
built-in 'flush' of '_ioIOBase	objects 2	370	370
threading.py:1129 name	1	360	360
built-in 'write' of '_io.StringIC	0' objects 2	310	310
built-innew of type	object at 1	290	290
0x5615c20f99a0			
built-in posix.fspath	3	290	290

File	Function	Total Calls	Total Time (ns)	Cumulative Time (ns)
built-in	sysgetframe	1	230	230
built-in	'join' of 'str' objects	2	220	220
built-in	$_{ m thread.get_ident}$	2	210	210
built-in	'append' of 'list' objects	2	190	190
built-in	'disable' of '_lsprof.Profiler' objects	1	160	160
built-in	builtins.len	1	120	120
built-in	'reverse' of 'list' objects	1	100	100
built-in	time.time	1	100	100

$17 \quad node_initialization_default. TestNodeSync.prof$

Total Calls: 191



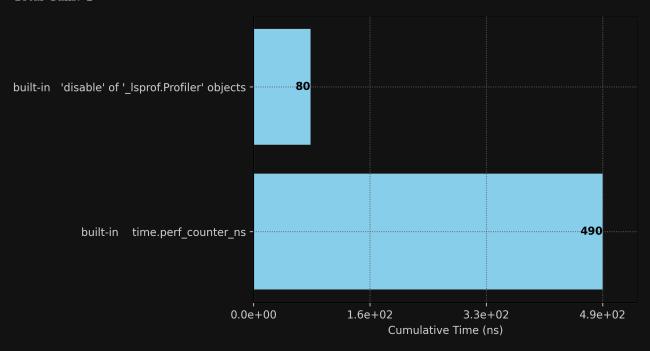
File	Function	Total Calls	Total Time (ns)	Cumulative Time (ns)
test_nodes.py:19	${\bf node_initialization_default}$	1	1300	297068
jstring¿:2	init	1	4120	295768
entity.py:43	post_init	1	2890	280708
initpy:1455	debug	1	1370	276238
initpy:1600	_log	1	1760	274308
initpy:1626	handle	1	780	248458
initpy:1680	callHandlers	1	5480	247268
initpy:955	handle	5	6070	241788
_initpy:1088	emit	5	8920	224808
_initpy:1204	emit	2	1480	165648
initpy:1077	flush	5	7529	135858
built-in	'flush' of '_io.TextIOWrapper' objects	3	120349	120349
_initpy:932	format	4	2210	44710
logging.py:369	emit	2	3170	25900
logger.py:42	format	1	3860	24710
_initpy:665	format	4	4250	23400
initpy:1585	makeRecord	1	830	18720
_initpy:283	init	1	8520	17890
built-in	'write' of '_io.TextIOWrapper' objects	3	17600	17600
logger.py:70	format	1	3040	17200
logging.py:133	format	2	2270	11840
_initpy:359	getMessage	5	6470	11690
_initpy:183	dumps	1	1800	11290
pathlib.py:957	_new	1	1500	10940
pathlib.py:589	_from_parts	1	4600	9440

File	Function	Total Calls	Total Time (ns)	Cumulative Time (ns)
1.0	encode	1	1650	8800
	formatMessage	4	1430	8510
encoder.py:204	iterencode	1	6830	6830
_initpy:567	init	1	1900	5850
_initpy:912	acquire	10	4100	5790
10	release	10	4830	5680
_initpy:1549	findCaller	1	2890	5370
pathlib.py:621	_str_	5	3440	5220
_initpy:643	usesTime	4	1360	5100
_initpy:438	format	2	760	4510
pathlib.py:569	_parse_args	1	1270	4510
_initpy:431	_format	2	3750	3750
_initpy:423	usesTime	4	2300	3740
_initpy:426	validate	1	1810	3460
pathlib.py:56	parse_parts	1	3120	3240
	basename	1	1750	3070
posixpath.py:117	splitext	1	1020	2730
logging.py:205	format	2	2570	2570
built-in	time.gmtime	1	1930	1930
pathlib.py:608	_format_parsed_parts	1	1640	1780
built-in	'acquire' of '_thread.RLock' objects	10	1690	1690
_initpy:806	filter	6	1670	1670
built-in	'search' of 're.Pattern' objects	1	1650	1650
data.py:45	_post_init	1	1580	1580
genericpath.py:121	_splitext	1	1260	1510
	time.strftime	1	1480	1480
built-in	'find' of 'str' objects	4	1440	1440
	lambda	1	1190	1440
	getLevelName	1	1140	1280
- 0	builtins.hasattr	7	1220	1220
posixpath.py:41	_get_sep	1	760	970
built-in	'release' of '_thread.RLock' objects	10	850	850
posixpath.py:52	normcase	1	760	850
threading.py:1430	$\operatorname{current_thread}$	1	750	790
built-in	'get' of 'dict' objects	5	690	690
encoder.py:104	_init_	1	690	690
built-in	time.perf_counter_ns	1	620	620
	isEnabledFor	1	560	560
	builtins.isinstance	$\overline{4}$	540	540
built-in	'rfind' of 'str' objects	3	530	530
	posix.getpid	1	520	520
built-in	'write' of '_io.StringIO' objects	2	520	520
_initpy:419	_init_	1	490	490
built-in	'flush' of '_ioIOBase' objects	2	400	400
threading.py:1129		1	350	350
built-in	_new_ of type object at	1	330	330
	0x5615c20f99a0			
built-in	'join' of 'str' objects	2	250	250
	sysgetframe	1	250	250
	posix.fspath	3	240	240
	posix-ispauli		210	210

File	Function	Total Calls	Total Time (ns)	Cumulative Time (ns)
built-in	'append' of 'list' objects	2	230	230
built-in	'disable' of '_lsprof.Profiler' objects	1	170	170
built-in	builtins.len	1	150	150
built-in	$_{ m thread.get_ident}$	2	150	150
built-in	'reverse' of 'list' objects	1	120	120
built-in	time.time	1	100	100

$18 \quad process_execution_async.coroutine.prof$

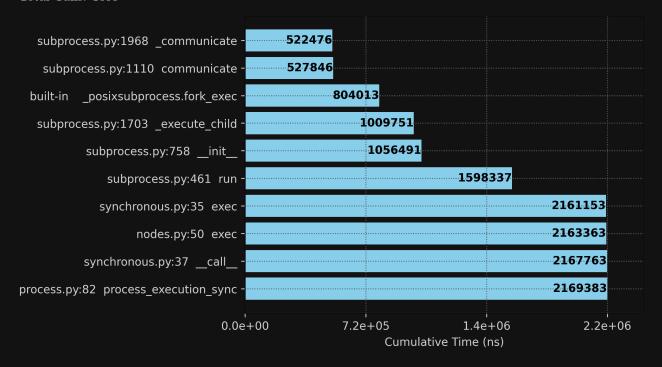
Total Calls: 2



File	Function	Total Calls	Total Time (ns)	Cumulative Time (ns)
built-in	$time.perf_counter_ns$	1	490	490
built-in	'disable' of '_lsprof.Profiler' objects	1	80	80

$19 \quad process_execution_sync. TestNodeProcess.prof$

Total Calls: 1099



File	Function	Total Calls	Total Time (ns)	Cumulative Time (ns)
process.py:82	process_execution_sync	1	1620	2169383
synchronous.py:37	call	1	4040	2167763
nodes.py:50	exec	1	2210	2163363
synchronous.py:35	exec	1	12860	2161153
subprocess.py:461	run	1	9090	1598337
subprocess.py:758	init	1	23030	1056491
subprocess.py:1703	3_execute_child	1	24900	1009751
built-in	$_posixsubprocess.fork_exec$	1	804013	804013
subprocess.py:1110	Ocommunicate	1	4250	527846
subprocess.py:1968	8_communicate	1	23990	522476
initpy:1455	debug	2	2400	514087
initpy:1600	_log	2	3080	504697
initpy:1626	handle	2	1640	461557
initpy:1680	callHandlers	2	10340	458947
initpy:955	handle	10	10310	448607
selectors.py:403	select	2	8070	429227
initpy:1088	emit	10	13420	419948
built-in	'poll' of 'select.poll' objects	2	419797	419797
initpy:1204	emit	4	3030	321218
_initpy:1077	flush	10	12300	276188
built-in	'flush' of '_io.TextIOWrapper' objects	6	251858	251858
subprocess.py:1791	lgenexpr	46	18620	103100
_initpy:932	format	8	3990	65470
posixpath.py:71	join	45	37210	58700

File	Function	Total Calls	Total Time (ns)	Cumulative Time (ns)
logger.py:42	format	2	7190	36450
logging.py:369	emit	4	4700	35490
shlex.py:305	split	1	4069	34199
initpy:665	format	8	6870	33270
built-in	'write' of '_io.TextIOWrapper' objects	6	33200	33200
logger.py:70	format	2	6530	31010
_initpy:1585	makeRecord	2	1780	30830
_initpy:283	init	2	13230	29050
os.py:805	fsencode	46	18430	27710
os.py:620	get_exec_path	1	6930	25449
subprocess.py:122	$7_{ m close_pipe_fds}$	1	7930	24160
shlex.py:299	_next_	3	1680	22570
initpy:183	dumps	2	3380	21730
subprocess.py:120		3	3810	21200
shlex.py:101	get_token	3	1960	20890
shlex.py:133	read_token	3	15280	18930
subprocess.py:192		3	4550	17390
encoder.py:182	encode	2	4010	17090
built-in	builtins.isinstance	114	8100	16950
logging.py:133	format	4	3520	16220
selectors.py:352	register	$\stackrel{-}{2}$	4150	15160
_initpy:649	formatMessage	8	2520	15140
encoder.py:204	iterencode	$\overset{\circ}{2}$	12360	12360
_initpy:567	_init_	2	3850	11890
built-in	io.open	2	11480	11480
posixpath.py:41	_get_sep	- 49	8220	10900
subprocess.py:191		1	1740	10720
selectors.py:235	register	2	3260	10540
_initpy:912	acquire	20	6850	9730
selectors.py:366	unregister	$\frac{20}{2}$	3260	9620
_initpy:1549	findCaller	$\overset{\circ}{2}$	5440	9230
built-in	posix.waitpid	1	8980	8980
abc.py:117	_instancecheck_	1	1060	8850
_initpy:438	format	$\stackrel{1}{4}$	1380	8790
_initpy:643	usesTime	8	2290	8570
subprocess.py:160		1	2860	7890
built-in	_abcabc_instancecheck	1	1480	7790
_initpy:919	release	20	6239	7709
_initpy:431	_format	4		7410
built-in	posix.read	$\frac{4}{4}$	7410 7379	7379
	-			7379 7370
shlex.py:21	init	1	7280	
contextlib.py:533	exit	1	4930	7270
contextlib.py:496	callback	2	3740	7210
selectors.py:216	_fileobj_lookup	4	1390	7200
initpy:426	validate	2	3370	7050
initpy:1724	isEnabledFor	2	3390	6990
abc.py:121	subclasscheck	1	740	6310
initpy:423	usesTime	8	3790	6280
built-in	posix.pipe	3	6270	6270
built-in	'close' of '_io.TextIOWrapper' objects	4	6010	6010

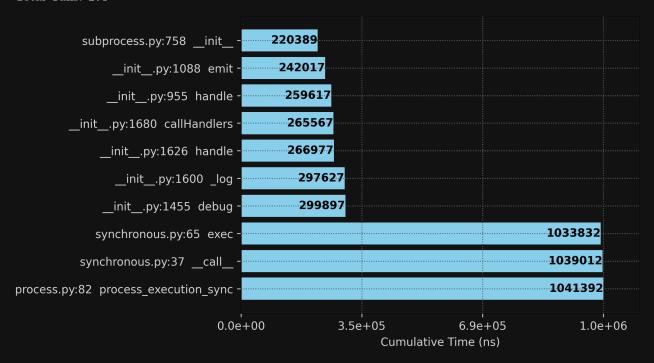
File	Function	Total Calls	Total Time (ns)	Cumulative Time (ns)
os.py:675	getitem	2	2140	5850
selectors.py:248	unregister	2	2500	5840
selectors.py:21	_fileobj_to_fd	4	3700	5810
built-in	_abcabc_subclasscheck	1	2450	5570
built-in	posix.fspath	99	5500	5500
built-in	'startswith' of 'bytes' objects	45	5470	5470
selectors.py:348	init	1	2460	5300
warnings.py:165	simplefilter	1	1200	5260
built-in	'endswith' of 'bytes' objects	45	5120	5120
posixpath.py:117	splitext	2	1720	5090
posixpath.py:140	basename	2	2650	5040
built-in	posix.close	4	4890	4890
posixpath.py:150	dirname	2	3100	4880
built-in	'encode' of 'str' objects	47	4300	4300
_collections_abc.py		1	630	4200
warnings.py:181	_add_filter	1	2950	4000
logging.py:205	format	4	3830	3830
built-in	time.gmtime	$\overline{2}$	3690	3690
built-in	'search' of 're.Pattern' objects	$\frac{1}{2}$	3680	3680
_initpy:359	getMessage	10	3530	3530
_initpy:806	filter	12	3260	3260
	0_translate_newlines	2	2210	3220
os.py:1080	subclasshook	1	1310	3120
jstring;:1	lambda	2	2630	3070
built-in	'acquire' of '_thread.RLock' objects	21	3060	3060
genericpath.py:121		2	2530	3030
built-in	time.strftime	$\frac{1}{2}$	3000	3000
codecs.py:309	_init_	$\frac{2}{2}$	2290	3000
contextlib.py:514	_push_exit_callback	$\frac{2}{2}$	2260	2550
warnings.py:458	_enter_	1	2440	2550
built-in	'find' of 'str' objects	8	2490	2490
built-in	'split' of 'str' objects	1	2469	2469
selectors.py:203	_exit_	1	580	2400
built-in	builtins.hasattr	14	2390	2390
selectors.py:210	_init	1	1860	2360
subprocess.py:103'		1	1330	2180
selectors.py:67	len	3	1660	2100
os.py:755	encode	2	1610	2080
_initpy:119	getLevelName	2	1740	2010
_initpy:160	lambda	$\frac{2}{2}$	1520	2010
	7_handle_exitstatus	1	1670	1920
shlex.py:68	punctuation_chars	16	1850	1850
selectors.py:269	close	1	1670	1820
_collections_abc.py		1	1810	1810
built-in	'read' of '_io.StringIO' objects	1 15	1800	1800
initpy:219	_acquireLock	1	1560	1740
built-in	builtins.sorted	1	1630	1630
os.py:759	decode	1	920	1630
built-in	'release' of '_thread.RLock' objects	21	1560	1560
built-in	'get' of 'dict' objects	12	1510	1510

File	Function	Total Calls	Total Time (ns)	Cumulative Time (ns)
1 1 1	normcase	2	1270	1460
	_exit_wrapper	2	720	1410
built-in '	fileno' of '_io.TextIOWrapper' objects	4	1330	1330
built-in '	rfind' of 'str' objects	7	1320	1320
subprocess.py:1178p	poll	1	630	1320
threading.py:1430 d		2	1110	1300
contextlib.py:452	init	1	1300	1300
encoder.py:104	init	2	1260	1260
built-in ,	decode' of 'bytes' objects	3	1160	1160
subprocess.py:1065_	_del	1	950	1110
selectors.py:276	_key_from_fd	3	1020	1020
	append' of 'list' objects	10	1010	1010
initpy:228	releaseLock	1	900	990
	_init	2	990	990
subprocess.py:436	_init	1	990	990
	_exit	1	880	930
	_create_cb_wrapper	2	920	920
	posix.getpid	2	860	860
subprocess.py:1879		2	850	850
subprocess.py:246		1	810	810
	rfind' of 'bytes' objects	1	770	770
	flush' of '_ioIOBase' objects	4	770	770
	init	1	740	740
subprocess.py:1184_	remaining_time	4	739	739
	_init	2	710	710
	remove' of 'list' objects	1	690	690
	write' of '_io.StringIO' objects	4	660	660
	getEffectiveLevel	1	580	580
	replace' of 'str' objects	4	560	560
	reset_process	1	560	560
	sys.exc_info	1	530	530
	unregister' of 'select.poll' objects	2	520	520
threading.py:1129 r		2	520	520
	init	1	500	500
1.0	sysgetframe	2	490	490
	select.poll	1	480	480
	join' of 'bytes' objects	2	470	470
	register' of 'select.poll' objects	2	470	470
subprocess.py:1192		2	450	450
	builtins.len	3	440	440
	_new of type object at	2	440	440
(0x5615c20f99a0			
	time.perf_counter_ns	1	420	420
	_thread.get_ident	4	410	410
	_thread.allocate_lock	1	400	400
built-in '	pop' of 'collections.deque' objects	2	400	400
	get_map	3	370	370
built-in ,	count' of 'list' objects	1	360	360
built-in t	$ m time.time_ns$	2	360	360
built-in ,	pop' of 'dict' objects	2	350	350

File	Function	Total Calls	Total Time (ns)	Cumulative Time (ns)
subprocess.py:2070_save_input		1	320	320
built-in	'insert' of 'list' objects	1	290	290
built-in	'append' of 'collections.deque' objects	2	290	290
initpy:1307	disable	1	290	290
built-in	builtins.getattr	1	270	270
built-in	'join' of 'str' objects	2	260	260
subprocess.py:103	4_{-} enter $_{-}$	1	260	260
built-in	sys.audit	1	230	230
built-in	$_$ warnings. $_$ filters $_$ mutated	3	230	230
built-in	time.time	2	210	210
built-in	'_exit_' of '_thread.lock' objects	1	200	200
shlex.py:296	iter	1	190	190
built-in	posix.WIFSTOPPED	1	180	180
contextlib.py:530	_enter_	1	180	180
built-in	'disable' of '_lsprof.Profiler' objects	1	170	170
built-in	'clear' of 'dict' objects	1	150	150
selectors.py:200	_enter_	1	150	150
built-in	'add' of 'set' objects	1	130	130
built-in	posix.waitstatus_to_exitcode	1	70	70

${\bf 20} \quad process_execution_sync. TestNodeStreamingProcess.prof$

Total Calls: 273



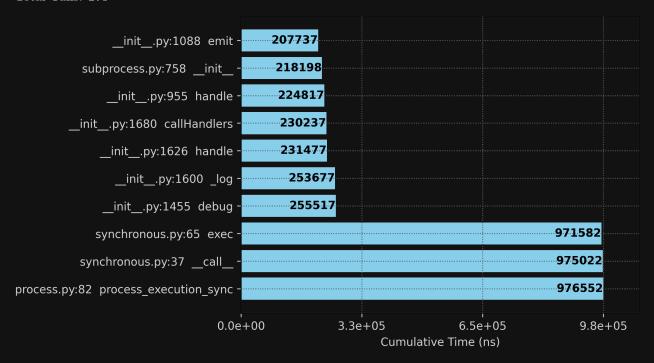
File	Function	Total Calls	Total Time (ns)	Cumulative Time (ns)
process.py:82	process_execution_sync	1	2380	1041392
synchronous.py:37	'call	1	4760	1039012
synchronous.py:65	exec	1	455566	1033832
initpy:1455	debug	1	1690	299897
initpy:1600	Llog	1	2440	297627
initpy:1626	handle	1	1060	266977
initpy:1680	callHandlers	1	5950	265567
initpy:955	handle	5	5780	259617
initpy:1088	emit	5	8610	242017
subprocess.py:758	init	1	22250	220389
initpy:1204	emit	2	2020	184348
subprocess.py:170	$3_{ m execute_child}$	1	18440	173589
initpy:1077	flush	5	6790	153349
built-in	'flush' of '_io.TextIOWrapper' objects	3	139029	139029
built-in	$_{ extstyle posixsubprocess.fork_exec}$	1	108641	108641
_initpy:932	format	4	2870	40268
logger.py:42	format	1	4820	23919
subprocess.py:122	$7_{ m close_pipe_fds}$	1	6890	22900
_abc.py:46	_reset_process	1	21100	22680
_initpy:1585	makeRecord	1	1750	22010
subprocess.py:117	8poll	2	1480	21200
_initpy:665	format	4	3710	20620
logger.py:70	format	1	3790	20520
initpy:283	init	1	10650	20260

File	Function	Total Calls	Total Time (ns)	Cumulative Time (ns)
logging.py:369	emit	2	2920	20089
subprocess.py:1879		3	6340	20080
built-in	'write' of '_io.TextIOWrapper' objects	3	18880	18880
initpy:183	dumps	1	2490	14640
posixpath.py:150	dirname	2	9020	11690
encoder.py:182	encode	1	2610	11410
built-in	io.open	2	11080	11080
built-in	posix.waitpid	2	10250	10250
codecs.py:319	decode	6	7250	9030
logging.py:133	format	2	2049	8529
_initpy:649	formatMessage	4	1310	8470
encoder.py:204	iterencode	1	8440	8440
subprocess.py:1604	$4_{ m get}$ handles	1	2830	7540
contextlib.py:496	callback	2	3590	7430
_initpy:643	usesTime	4	1380	7320
_initpy:567	init	1	2330	7050
contextlib.py:533	exit	1	4940	7000
_initpy:1549	findCaller	1	3790	6200
_initpy:912	acquire	10	4410	6140
_initpy:423	usesTime	4	4600	5940
built-in	posix.pipe	3	5919	5919
built-in	'readlines' of '_ioIOBase' objects	2	4430	5870
_initpy:919	release	10	4420	5280
_initpy:438	format	2	690	5100
built-in	posix.close	4	4479	4479
_initpy:431	_format	2	4410	4410
_initpy:426	validate	1	2300	4150
codecs.py:309	init	2	2630	3840
built-in	builtins.hasattr	8	3450	3450
posixpath.py:117	splitext	1	1390	3190
contextlib.py:514	_push_exit_callback	2	2480	2690
- "	7_handle_exitstatus	1	2170	2430
built-in	time.gmtime	1	2360	2360
os.py:805	fsencode	1	1690	2090
logging.py:205	format	2	2060	2060
posixpath.py:140	basename	1	1150	2050
_initpy:119	getLevelName	1	1540	1870
built-in	'search' of 're.Pattern' objects	1	1850	1850
built-in	_codecs.utf_8_decode	6	1780	1780
_initpy:806	filter	6	1740	1740
built-in	'acquire' of '_thread.RLock' objects	10	1730	1730
built-in	time.strftime	1	1679	1679
subprocess.py:246		1	1640	1640
genericpath.py:121		1	1180	1600
subprocess.py:106	-	1	1220	1580
_initpy:160	lambda	1	1280	1560
_initpy:359	getMessage	5	1540	1540
posixpath.py:41	_get_sep	3	1050	1500
contextlib.py:448	_get_sep _exit_wrapper	2	780	1430
built-in	posix.read	1	1400	1400
——————————————————————————————————————	posix.ieau	1	1400	1400

File	Function	Total Calls	Total Time (ns)	Cumulative Time (ns)
built-in	'find' of 'str' objects	4	1340	1340
contextlib.py:452	init	1	1260	1260
codecs.py:260	init	2	1210	1210
built-in	builtins.isinstance	10	1170	1170
contextlib.py:446	_create_cb_wrapper	2	1150	1150
built-in	'get' of 'dict' objects	5	1010	1010
built-in	'rfind' of 'str' objects	4	1000	1000
threading.py:1430	$current_thread$	1	830	890
built-in	builtins.sorted	1	860	860
built-in	'release' of '_thread.RLock' objects	10	860	860
built-in	'acquire' of '_thread.lock' objects	2	800	800
encoder.py:104	init	1	740	740
posixpath.py:52	normcase	1	500	680
built-in	builtins.iter	2	640	640
_initpy:1724	isEnabledFor	1	580	580
built-in	posix.fspath	6	570	570
_initpy:419	init	1	570	570
built-in	time.perf_counter_ns	1	560	560
built-in	sys.exc_info	1	450	450
built-in	'rfind' of 'bytes' objects	1	440	440
threading.py:1129		1	430	430
	time.time_ns	2	420	420
built-in	'rstrip' of 'bytes' objects	1	410	410
	'append' of 'list' objects	2	390	390
	'write' of '_io.StringIO' objects	2	390	390
	'flush' of 'io. IOBase' objects	2	380	380
	posix.getpid	1	360	360
	_thread.allocate_lock	1	320	320
	sysgetframe	1	280	280
	'release' of '_thread.lock' objects	2	260	260
	'encode' of 'str' objects	1	220	220
	'rstrip' of 'str' objects	1	220	220
	time.time	1	210	210
	'append' of 'collections.deque' objects	2	210	210
	builtins.len	2	190	190
	_thread.get_ident	2	190	190
	posix.WIFSTOPPED	1	180	180
	'pop' of 'collections.deque' objects	2	180	180
	'disable' of '_lsprof.Profiler' objects	1	170	170
	enter	1	170	170
2 0	builtins.getattr	1	150	150
	'join' of 'str' objects	1	130	130
	'add' of 'set' objects	1	120	120
	sys.audit	1	110	110
	posix.waitstatus_to_exitcode	1	80	80

${\bf 21} \quad process_execution_sync. Test Process Streaming.prof$

Total Calls: 273



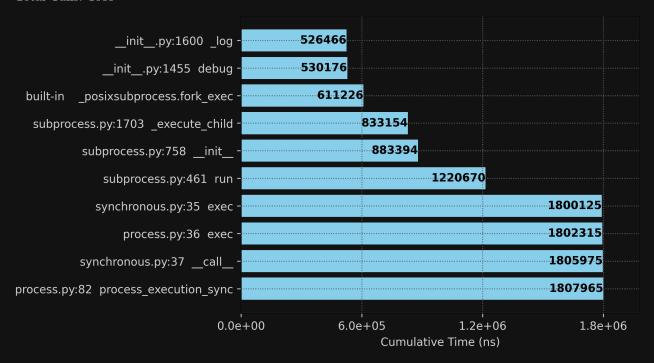
File	Function	Total Calls	Total Time (ns)	Cumulative Time (ns)
process.py:82	process_execution_sync	1	1530	976552
synchronous.py:37	call	1	3050	975022
synchronous.py:65	exec	1	445897	971582
_initpy:1455	debug	1	1370	255517
_initpy:1600	_log	1	1560	253677
_initpy:1626	handle	1	830	231477
_initpy:1680	callHandlers	1	5420	230237
_initpy:955	handle	5	5570	224817
subprocess.py:758	_init_	1	20860	218198
initpy:1088	emit	5	8100	207737
subprocess.py:170	3_execute_child	1	17680	171958
initpy:1204	emit	2	1660	153487
_initpy:1077	flush	5	7310	132708
built-in	'flush' of '_io.TextIOWrapper' objects	3	116978	116978
built-in	$_{ m posixsubprocess.fork_exec}$	1	109698	109698
initpy:932	format	4	2160	34959
logging.py:369	emit	2	3120	23950
subprocess.py:122	7_close_pipe_fds	1	6580	20380
subprocess.py:1178	Spoll	2	1260	19170
initpy:665	format	4	3820	18590
subprocess.py:1879	9_internal_poll	3	6280	18150
logger.py:42	format	1	3340	17759
_abc.py:46	_reset_process	1	16360	17740
built-in	'write' of '_io.TextIOWrapper' objects	3	16600	16600

File	Function	Total Calls	Total Time (ns)	Cumulative Time (ns)
initpy:1585	makeRecord	1	890	16220
_initpy:283	init	1	7870	15330
logger.py:70	format	1	3110	14960
posixpath.py:150	dirname	2	9030	12000
built-in	io.open	2	11830	11830
_initpy:183	dumps	1	1750	10939
logging.py:133	format	2	2190	10600
codecs.py:319	decode	6	8190	10530
encoder.py:182	encode	1	1880	8549
_initpy:649	formatMessage	4	1280	8480
built-in	posix.waitpid	2	8040	8040
subprocess.py:160	$4_{ m get}$ handles	1	2810	8020
contextlib.py:533	exit	1	4620	6700
built-in	posix.pipe	3	6510	6510
encoder.py:204	iterencode	1	6279	6279
_initpy:912	acquire	10	4070	6100
contextlib.py:496	callback	2	3130	5950
_initpy:919	release	10	4990	5930
_initpy:567	init	1	1790	5610
built-in	'readlines' of '_ioIOBase' objects	2	3750	5000
initpy:643	usesTime	4	1290	4970
_initpy:438	format	2	680	4580
initpy:1549	findCaller	1	2350	4420
built-in	posix.close	4	4250	4250
initpy:431	_format	2	3900	3900
built-in	builtins.hasattr	8	3790	3790
_initpy:423	usesTime	4	2320	3680
codecs.py:309	init	$\stackrel{-}{2}$	2540	3680
_initpy:426	validate	1	1680	3370
	7_handle_exitstatus	1	2490	2750
logging.py:205	format	$\stackrel{-}{2}$	2620	2620
posixpath.py:117	splitext	$\overline{1}$	860	2470
built-in	_codecs.utf_8_decode	6	2340	2340
built-in	'acquire' of '_thread.RLock' objects	10	2030	2030
contextlib.py:514	_push_exit_callback	$\frac{1}{2}$	1830	2010
os.py:805	fsencode	- 1	1440	1870
_initpy:806	filter	6	1830	1830
posixpath.py:140	basename	1	1020	1790
_initpy:359	getMessage	5	1710	1710
built-in	'search' of 're.Pattern' objects	1	1690	1690
built-in	time.gmtime	1	1640	1640
built-in	time.strftime	1	1450	1450
genericpath.py:121		1	1120	1450
built-in	posix.read	1	1380	1380
_initpy:160	lambda	1	1140	1380
subprocess.py:106		1	1140	1380
posixpath.py:41	_get_sep	3	840	1380
built-in	'find' of 'str' objects	$\frac{3}{4}$	1360	1360
subprocess.py:246		1	1360	1360
_initpy:119	$\operatorname{getLevelName}$	1	1170	1350
mitpy.119	gethevenvame		1170	1990

File	Function	Total Calls	Total Time (ns)	Cumulative Time (ns)
	builtins.isinstance	10	1270	1270
	_exit_wrapper	2	620	1240
built-in	builtins.sorted	1	1170	1170
codecs.py:260	init	2	1140	1140
built-in	'rfind' of 'str' objects	4	960	960
built-in	'release' of '_thread.RLock' objects	10	940	940
built-in	'get' of 'dict' objects	5	860	860
contextlib.py:446	_create_cb_wrapper	2	810	810
contextlib.py:452	init	1	800	800
built-in	builtins.iter	2	780	780
built-in	'acquire' of '_thread.lock' objects	2	770	770
built-in	sys.exc_info	1	690	690
encoder.py:104	_init_	1	640	640
built-in	'rfind' of 'bytes' objects	1	580	580
built-in	posix.fspath	6	580	580
built-in	time.perf_counter_ns	1	530	530
threading.py:1430	$\operatorname{current_thread}$	1	470	530
	normcase	1	360	490
	'flush' of '_ioIOBase' objects	2	480	480
	isEnabledFor	1	470	470
_initpy:419	_init	1	450	450
	posix.getpid	1	420	420
built-in	'write' of '_io.StringIO' objects	2	410	410
built-in	'rstrip' of 'bytes' objects	1	400	400
built-in	time.time_ns	2	390	390
built-in	_thread.allocate_lock	1	320	320
built-in	'release' of '_thread.lock' objects	2	310	310
threading.py:1129		1	290	290
built-in	'encode' of 'str' objects	1	250	250
built-in	'rstrip' of 'str' objects	1	240	240
built-in	'append' of 'list' objects	2	240	240
	sysgetframe	1	240	240
	builtins.len	2	240	240
	enter	1	210	210
built-in	_thread.get_ident	2	200	200
built-in	posix.WIFSTOPPED	_ 1	180	180
built-in	'append' of 'collections.deque' objects	$\stackrel{-}{2}$	180	180
built-in	'disable' of '_lsprof.Profiler' objects	1	170	170
built-in	'add' of 'set' objects	1	160	160
built-in	'pop' of 'collections.deque' objects	$\stackrel{\cdot}{2}$	150	150
	builtins.getattr	1	140	140
	time.time	1	130	130
built-in	'join' of 'str' objects	1	120	120
	sys.audit	1	110	110
	posix.waitstatus_to_exitcode	1	80	80
Duilt-III	posix.waitstatus_to_exitcode	1	00	00

${\bf 22} \quad process_execution_sync.TestProcessSync.prof$

Total Calls: 1089



File	Function	Total Calls	Total Time (ns)	Cumulative Time (ns)
process.py:82	process_execution_sync	1	1990	1807965
synchronous.py:37	call	1	3290	1805975
process.py:36	exec	1	2190	1802315
synchronous.py:35	exec	1	12350	1800125
subprocess.py:461	run	1	9530	1220670
subprocess.py:758	_init_	1	23760	883394
subprocess.py:170	3_execute_child	1	28509	833154
built-in	_posixsubprocess.fork_exec	1	611226	611226
initpy:1455	debug	2	2660	530176
initpy:1600	⊥log	2	3790	526466
initpy:1626	handle	2	1420	480906
initpy:1680	callHandlers	2	10120	478757
initpy:955	handle	10	10690	468637
initpy:1088	emit	10	14370	439017
initpy:1204	emit	4	2680	337678
subprocess.py:1110	Ocommunicate	1	5560	323126
subprocess.py:1968	8_communicate	1	30300	316506
initpy:1077	flush	10	12890	291228
built-in	'flush' of '_io.TextIOWrapper' objects	6	263858	263858
selectors.py:403	select	2	12550	197837
built-in	'poll' of 'select.poll' objects	2	183507	183507
subprocess.py:179	lgenexpr	46	18660	106889
_initpy:932	format	8	3950	67960
posixpath.py:71	join	45	39330	61730
			C	ontinued on next page

File	Function	Total Calls	Total Time (ns)	Cumulative Time (ns)
logger.py:42	format	2	6060	37580
logging.py:369	emit	4	4430	35920
shlex.py:305	split	1	3830	34829
built-in	'write' of '_io.TextIOWrapper' objects	6	34619	34619
_initpy:665	format	8	7110	34580
_initpy:1585	makeRecord	2	1880	32470
_initpy:283	init	2	14540	30590
subprocess.py:122		1	10260	30390
logger.py:70	format	2	6220	30160
os.py:805	fsencode	46	19229	28659
os.py:620	get_exec_path	1	8730	27430
shlex.py:299	next	3	1909	24219
_initpy:183	dumps	2	3650	23580
shlex.py:101	get_token	3	2430	22310
selectors.py:352	register	2	4330	21320
subprocess.py:120		3	2120	20779
shlex.py:133	read_token	3	15920	19880
subprocess.py:192	$7_{ ext{-}} ext{wait}$	3	4650	18659
encoder.py:182	encode	2	4370	18520
logging.py:133	format	4	3630	16500
selectors.py:235	register	2	4560	16410
_initpy:649	formatMessage	8	2490	15700
built-in	posix.read	4	15070	15070
selectors.py:366	unregister	2	4150	14430
encoder.py:204	iterencode	2	13290	13290
built-in	io.open	2	13240	13240
selectors.py:216	_fileobj_lookup	4	2810	12220
subprocess.py:191		1	3040	11709
_initpy:567	init	2	3620	11270
_initpy:912	acquire	20	7890	11030
posixpath.py:41	_get_sep	49	7970	10770
built-in	builtins.isinstance	114	8380	10160
_initpy:919	release	20	8140	9750
contextlib.py:496	callback	2	5020	9520
_initpy:438	format	4	1540	9480
selectors.py:248	unregister	2	3190	9450
selectors.py:21	_fileobj_to_fd	4	5700	9410
_initpy:1549	findCaller	2	5150	9300
_initpy:643	usesTime	8	2560	9220
subprocess.py:160		1	2840	9200
built-in	posix.waitpid	1	8669	8669
built-in	'close' of '_io.TextIOWrapper' objects	4	8530	8530
contextlib.py:533	_exit_	1	5810	8390
built-in	posix.close	$\overset{-}{4}$	8080	8080
_initpy:431	_format	$\overline{4}$	7940	7940
built-in	posix.pipe	3	7510	7510
_initpy:426	validate	$\frac{3}{2}$	2800	6690
_initpy:423	usesTime	8	4100	6660
selectors.py:348	_init_	1	3290	6610
shlex.py:21	init	1	6510	6590
этсх.ру.21		1	0010	

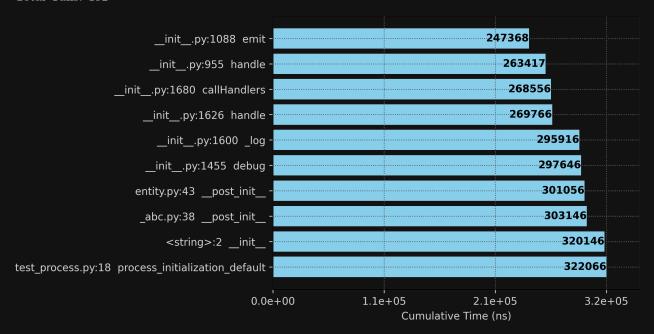
File	Function	Total Calls	Total Time (ns)	Cumulative Time (ns)
built-in	posix.fspath	99	6060	6060
built-in	'startswith' of 'bytes' objects	45	5970	5970
os.py:675	getitem	2	2130	5870
jstringį:1	lambda	2	4970	5590
built-in	'endswith' of 'bytes' objects	45	5260	5260
posixpath.py:140	basename	2	2930	5160
posixpath.py:150	dirname	2	3040	4930
warnings.py:165	simplefilter	1	1420	4910
_collections_abc.py	r: &2 i1	1	980	4870
posixpath.py:117	splitext	2	1710	4660
built-in	'encode' of 'str' objects	47	4330	4330
built-in	time.gmtime	2	3980	3980
built-in	'search' of 're.Pattern' objects	2	3890	3890
logging.py:205	format	4	3730	3730
warnings.py:181	_add_filter	1	2400	3420
_initpy:359	getMessage	10	3270	3270
built-in	time.strftime	2	3240	3240
contextlib.py:514	_push_exit_callback	2	2880	3220
built-in	'acquire' of '_thread.RLock' objects	20	3140	3140
_initpy:806	filter	12	3119	3119
	0_translate_newlines	2	2240	3010
selectors.py:67	_len	3	2400	2930
selectors.py:210	init	1	2340	2890
selectors.py:203	exit	1	560	2710
built-in	'fileno' of '_io.TextIOWrapper' objects	4	2680	2680
codecs.py:309	_init	2	1960	2670
genericpath.py:121		2	2110	2620
built-in	'find' of 'str' objects	8	2560	2560
built-in	builtins.hasattr	14	2560	2560
warnings.py:458	_enter_	1	2410	2540
_initpy:119	getLevelName	2	2030	2330
_initpy:160	lambda	2	1690	2210
subprocess.py:103		1	1410	2180
selectors.py:269	close	1	1800	2150
os.py:755	encode	2	1720	2130
	7_handle_exitstatus	1	1760	2100
shlex.py:68	punctuation_chars	16	2060	2060
built-in	'split' of 'str' objects	1	2010	2010
built-in	'read' of '_io.StringIO' objects	- 15	1900	1900
abc.py:117	_instancecheck_	1	1080	1780
built-in	'get' of 'dict' objects	$\overline{12}$	1660	1660
contextlib.py:452	_init_	1	1660	1660
built-in	'release' of '_thread.RLock' objects	20	1610	1610
os.py:759	decode	1	990	1610
contextlib.py:448	_exit_wrapper	2	730	1600
posixpath.py:52	normcase	$\overset{2}{2}$	1360	1590
subprocess.py:106		1	1260	1440
built-in	'rfind' of 'str' objects	7	1420	1420
selectors.py:276	_key_from_fd	3	1420	1420
encoder.py:104	_init	3 2	1420 1410	1420 1410
encoder.py.104			1410	1410

File	Function	Total Calls	Total Time (ns)	Cumulative Time (ns)
warnings.py:477	exit	1	1240	1320
contextlib.py:446	_create_cb_wrapper	2	1280	1280
built-in	builtins.sorted	1	1250	1250
subprocess.py:1178	8poll	1	720	1210
threading.py:1430	$\operatorname{current_thread}$	2	1020	1200
built-in	'decode' of 'bytes' objects	3	1090	1090
initpy:1724	isEnabledFor	2	1050	1050
built-in	'append' of 'list' objects	10	1040	1040
initpy:419	_init	2	960	960
warnings.py:437	_init_	1	940	940
built-in	posix.getpid	2	870	870
subprocess.py:1184	1_remaining_time	4	870	870
built-in	'flush' of '_ioIOBase' objects	4	830	830
built-in	'unregister' of 'select.poll' objects	2	830	830
built-in	'rfind' of 'bytes' objects	1	790	790
subprocess.py:246		1	750	750
built-in	'remove' of 'list' objects	1	730	730
subprocess.py:436		1	730	730
built-in	sys.exc_info	1	710	710
codecs.py:260	init	2	710	710
built-in	_abcabc_instancecheck	1	700	700
built-in	'write' of '_io.StringIO' objects	4	680	680
subprocess.py:1879		2	670	670
_abc.py:46	_reset_process	1	660	660
selectors.py:273	get_map	3	650	650
built-in	_new_ of type object at	$\overset{\circ}{2}$	620	620
	0x5615c20f99a0			
threading.py:1129		2	600	600
built-in	'register' of 'select.poll' objects	2	580	580
selectors.py:64	init	1	550	550
built-in	builtins.len	3	530	530
built-in	sysgetframe	2	520	520
built-in	_thread.get_ident	4	520	520
built-in	'join' of 'bytes' objects	2	500	500
built-in	_thread.allocate_lock	1	500	500
subprocess.py:1192	2_check_timeout	2	480	480
built-in	time.perf_counter_ns	1	470	470
built-in	select.poll	1	430	430
built-in	'count' of 'list' objects	1	410	410
subprocess.py:2070		1	400	400
built-in	time.time_ns	2	370	370
contextlib.py:530	_enter_	1	370	370
built-in	'clear' of 'dict' objects	1	350	350
built-in	'append' of 'collections.deque' objects	$\stackrel{-}{2}$	340	340
selectors.py:200	_enter_	1	340	340
subprocess.py:1034		1	320	320
built-in	'join' of 'str' objects	2	310	310
built-in	'replace' of 'str' objects	$\frac{2}{4}$	300	300
built-in	'pop' of 'dict' objects	2	300	300
built-in	time.time	$\frac{2}{2}$	300	300
bullt-III	offine.time		- 	300

File	Function	Total Calls	Total Time (ns)	Cumulative Time (ns)
built-in	_warningsfilters_mutated	3	270	270
built-in	'pop' of 'collections.deque' objects	2	270	270
built-in	posix.WIFSTOPPED	1	250	250
built-in	'insert' of 'list' objects	1	230	230
built-in	'_exit' of '_thread.lock' objects	1	200	200
built-in	sys.audit	1	190	190
built-in	builtins.getattr	1	190	190
shlex.py:296	iter	1	190	190
built-in	'disable' of '_lsprof.Profiler' objects	1	180	180
built-in	'add' of 'set' objects	1	140	140
built-in	$posix.waitstatus_to_exitcode$	1	90	90

${\bf 23} \quad process_initialization_default. Test Process A sync. prof$

Total Calls: 192



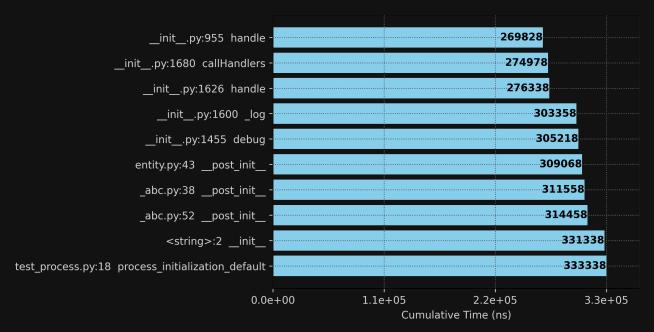
File	Function	Total Calls	Total Time (ns)	Cumulative Time (ns)
test_process.py:18	process_initialization_default	1	1920	322066
jstring¿:2	init	1	8680	320146
_abc.py:38	post_init	1	2090	303146
entity.py:43	_post_init	1	2240	301056
initpy:1455	debug	1	1300	297646
initpy:1600	Llog	1	1620	295916
initpy:1626	handle	1	820	269766
initpy:1680	callHandlers	1	5139	268556
initpy:955	handle	5	5370	263417
initpy:1088	emit	5	8880	247368
initpy:1204	emit	2	1670	190068
initpy:1077	flush	5	6730	158358
built-in	'flush' of '_io.TextIOWrapper' objects	3	143538	143538
initpy:932	format	4	2280	43320
logger.py:42	format	1	3920	24860
initpy:665	format	4	3740	22760
logging.py:369	emit	2	2809	21729
initpy:1585	makeRecord	1	870	18930
logger.py:70	format	1	3220	18310
built-in	'write' of '_io.TextIOWrapper' objects	3	18160	18160
initpy:283	init	1	8620	18060
initpy:183	dumps	1	1880	12020
_initpy:359	getMessage	5	6210	10750
logging.py:133	format	2	1910	10200
encoder.py:182	encode	1	1770	9440
initpy:649	formatMessage	4	1340	8390
			C	ontinued on next page

File	Function	Total Calls	Total Time (ns)	Cumulative Time (ns)
pathlib.py:957	new	1	1330	8320
encoder.py:204	iterencode	1	7320	7320
pathlib.py:589	_from_parts	1	3130	6990
_initpy:567	init	1	1980	6180
_initpy:912	acquire	10	4410	5950
_initpy:919	release	10	4800	5700
_initpy:1549	findCaller	1	2840	5600
initpy:643	usesTime	4	1320	5280
_initpy:438	format	2	680	5060
pathlib.py:621	_str_	5	3300	4540
initpy:431	_format	2	4380	4380
_initpy:423	usesTime	4	2520	3960
_initpy:426	validate	1	1910	3700
pathlib.py:569	_parse_args	1	910	3590
posixpath.py:140	basename	1	1860	3090
posixpath.py:117	splitext	1	1010	2820
pathlib.py:56	parse_parts	1	2560	2680
built-in	time.gmtime	1	1990	1990
logging.py:205	format	2	1990	1990
built-in	'search' of 're.Pattern' objects	1	1790	1790
genericpath.py:121		1	1390	1650
built-in	'acquire' of '_thread.RLock' objects	10	1540	1540
built-in	time.strftime	1	1530	1530
_initpy:160	lambda	1	1280	1500
_initpy:806	filter	6	1490	1490
built-in	'find' of 'str' objects	4	1440	1440
built-in	builtins.hasattr	7	1390	1390
_initpy:119	getLevelName	1	1180	1310
pathlib.py:608	_format_parsed_parts	1	1090	1240
data.py:45	_post_init	1	1170	1170
posixpath.py:52	normcase	1	990	1090
built-in	'release' of '_thread.RLock' objects	10	900	900
posixpath.py:41	_get_sep	1	690	860
encoder.py:104	_init_	1	700	700
built-in	'get' of 'dict' objects	5	680	680
threading.py:1430		1	520	640
built-in	time.perf_counter_ns	1	550	550
built-in	'rfind' of 'str' objects	3	540	540
built-in	posix.getpid	1	540	540
built-in	builtins.isinstance	$\overline{4}$	530	530
_initpy:419	_init	1	500	500
_initpy:1724	isEnabledFor	1	430	430
built-in	'flush' of '_ioIOBase' objects	$\stackrel{\circ}{2}$	410	410
built-in	'write' of '_io.StringIO' objects	$\frac{1}{2}$	340	340
threading.py:1129	ů v	1	320	320
built-in	_new_ of type object at	1	270	270
DGIIV III	0x5615c20f99a0			
built-in	_thread.get_ident	2	250	250
built-in	posix.fspath	3	250	250
built-in	'join' of 'str' objects	2	240	240
	John of Sit Objects		2 4 0	

File	Function	Total Calls	Total Time (ns)	Cumulative Time (ns)
built-in	sysgetframe	1	220	220
built-in	'append' of 'list' objects	2	170	170
built-in	'disable' of '_lsprof.Profiler' objects	1	160	160
built-in	'reverse' of 'list' objects	1	120	120
built-in	builtins.len	1	100	100
built-in	time.time	1	100	100

${\bf 24} \quad process_initialization_default. Test Process Streaming. prof$

Total Calls: 193



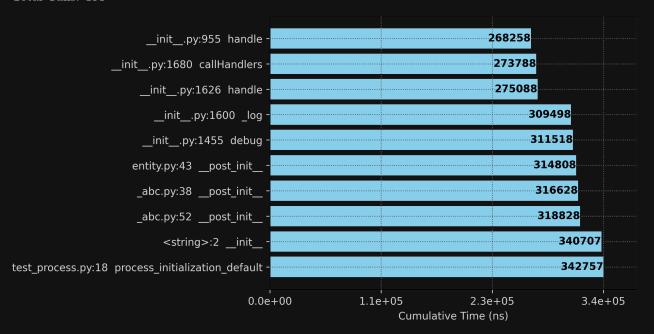
File	Function	Total Calls	Total Time (ns)	Cumulative Time (ns)
test_process.py:18	process_initialization_default	1	2000	333338
jstring¿:2	init	1	9200	331338
$_{ m abc.py:}52$	post_init	1	2900	314458
_abc.py:38	post_init	1	2490	311558
entity.py:43	post_init	1	2580	309068
initpy:1455	debug	1	1370	305218
initpy:1600	Llog	1	1730	303358
initpy:1626	handle	1	1040	276338
initpy:1680	callHandlers	1	5150	274978
initpy:955	handle	5	5460	269828
initpy:1088	emit	5	7860	254378
initpy:1204	emit	2	1560	197149
initpy:1077	flush	5	6820	167040
built-in	'flush' of '_io.TextIOWrapper' objects	3	152620	152620
initpy:932	format	4	2070	41129
logger.py:42	format	1	3430	23799
initpy:665	format	4	3510	21320
built-in	'write' of '_io.TextIOWrapper' objects	3	20490	20490
logging.py:369	emit	2	2520	19890
initpy:1585	makeRecord	1	1040	18150
logger.py:70	format	1	2950	17499
initpy:283	init	1	8260	17110
initpy:183	dumps	1	1910	11169
initpy:359	getMessage	5	6080	10640
logging.py:133	format	2	1790	9420
encoder.py:182	encode	1	1779	8539

File	Function	Total Calls	Total Time (ns)	Cumulative Time (ns)
initpy:649	for mat Message	4	1210	7930
pathlib.py:957	new	1	1080	7680
initpy:1549	findCaller	1	3540	7140
pathlib.py:589	_from_parts	1	3030	6600
encoder.py:204	iterencode	1	6450	6450
initpy:567	init	1	1760	6279
initpy:912	acquire	10	4020	5540
initpy:919	release	10	4570	5320
initpy:643	usesTime	4	1220	4910
initpy:438	format	2	670	4770
pathlib.py:621	_str_	5	3030	4560
initpy:431	_format	2	4100	4100
_initpy:426	validate	1	2239	4029
_initpy:423	usesTime	4	2420	3690
pathlib.py:569	_parse_args	1	850	3280
posixpath.py:140	basename	1	1750	2990
posixpath.py:117	splitext	1	960	2510
pathlib.py:56	parse_parts	1	2330	2430
initpy:160	lambda	1	1730	2040
logging.py:205	format	2	1950	1950
built-in	time.gmtime	1	1930	1930
built-in	'search' of 're.Pattern' objects	1	1790	1790
built-in	time.strftime	1	1600	1600
initpy:806	filter	6	1540	1540
pathlib.py:608	_format_parsed_parts	1	1370	1530
built-in	'acquire' of '_thread.RLock' objects	10	1520	1520
genericpath.py:121		1	1130	1370
posixpath.py:52	normcase	1	1190	1320
built-in	'find' of 'str' objects	$\overline{4}$	1270	1270
data.py:45	post_init	1	1270	1270
built-in	builtins.hasattr	7	1240	1240
initpy:119	getLevelName	1	1130	1240
posixpath.py:41	_get_sep	1	660	860
built-in	'release' of '_thread.RLock' objects	10	750	750
encoder.py:104	_init	1	720	720
threading.py:1430		1	590	670
built-in	'get' of 'dict' objects	5	660	660
built-in	builtins.isinstance	$\overset{\circ}{4}$	520	520
built-in	'rfind' of 'str' objects	3	490	490
_initpy:419	_init_	1	490	490
_initpy:1724	isEnabledFor	1	490	490
built-in	posix.getpid	1	480	480
built-in	time.perf_counter_ns	1	440	440
built-in	'flush' of '_ioIOBase' objects	2	380	380
built-in	'write' of '_io.StringIO' objects	$\frac{2}{2}$	360	360
threading.py:1129	ũ v	1	350	350
built-in	posix.fspath	3	340	340
built-in	sysgetframe	3 1	310	310
built-in		1	290	290
Dunt-III	V 1	1	∠9U	490
	0x5615c20f99a0			

File	Function	Total Calls	Total Time (ns)	Cumulative Time (ns)
built-in	'join' of 'str' objects	2	250	250
built-in	$_{ m thread.get_ident}$	2	210	210
built-in	'append' of 'list' objects	2	180	180
built-in	'disable' of '_lsprof.Profiler' objects	1	180	180
built-in	builtins.len	1	120	120
built-in	'reverse' of 'list' objects	1	100	100
built-in	time.time	1	100	100

${\bf 25} \quad process_initialization_default. Test Process Streaming A sync. prof$

Total Calls: 193



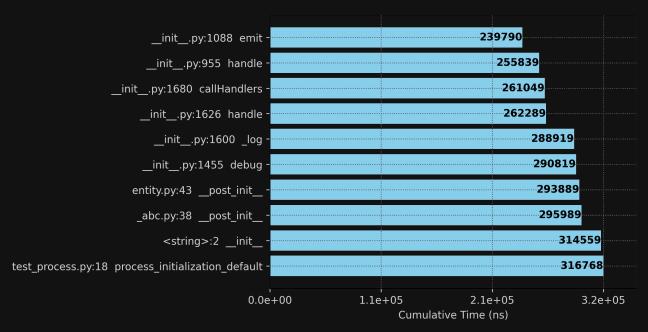
File	Function	Total Calls	Total Time (ns)	Cumulative Time (ns)
test_process.py:18	process_initialization_default	1	2050	342757
jstringį:2	init	1	8909	340707
_abc.py:52	_post_init	1	2200	318828
_abc.py:38	_post_init	1	1820	316628
entity.py:43	_post_init	1	2100	314808
initpy:1455	debug	1	1540	311518
initpy:1600	Llog	1	2220	309498
initpy:1626	handle	1	880	275088
_initpy:1680	callHandlers	1	5530	273788
initpy:955	handle	5	5569	268258
initpy:1088	emit	5	8430	252459
initpy:1204	emit	2	1510	195819
_initpy:1077	flush	5	6890	158519
built-in	'flush' of '_io.TextIOWrapper' objects	3	143489	143489
_initpy:932	format	4	2580	49240
logger.py:42	format	1	5170	30490
initpy:1585	makeRecord	1	1270	24530
initpy:283	init	1	12250	23260
initpy:665	format	4	3790	22310
logging.py:369	emit	2	2740	21190
logger.py:70	format	1	3190	18470
built-in	'write' of '_io.TextIOWrapper' objects	3	17500	17500
initpy:183	dumps	1	2380	14380
pathlib.py:957	_new	1	2070	12970
initpy:359	getMessage	5	6240	11980
encoder.py:182	encode	1	1930	11160
			C	ontinued on next page

File	Function	Total Calls	Total Time (ns)	Cumulative Time (ns)
pathlib.py:589	_from_parts	1	5520	10900
logging.py:133	format	2	2000	10130
encoder.py:204	iterencode	1	8850	8850
_initpy:649	formatMessage	4	1440	8240
_initpy:1549	findCaller	1	4210	7660
_initpy:567	init	1	2070	6730
_initpy:919	release	10	4960	5780
pathlib.py:621	_str	5	4260	5740
_initpy:912	acquire	10	4150	5610
_initpy:643	usesTime	4	1480	5130
pathlib.py:569	_parse_args	1	1560	4900
_initpy:438	format	2	800	4660
_initpy:426	validate	1	2020	3870
_initpy:431	_format	2	3860	3860
_initpy:423	usesTime	4	2290	3650
posixpath.py:140	basename	1	2070	3630
pathlib.py:56	parse_parts	1	3230	3340
posixpath.py:117	splitext	1	1280	2960
built-in	time.gmtime	1	2400	2400
logging.py:205	format	2	2140	2140
_initpy:160	lambda	1	1800	2020
built-in	'search' of 're.Pattern' objects	1	1850	1850
built-in	time.strftime	1	1710	1710
_initpy:806	filter	6	1660	1660
_initpy:119	getLevelName	1	1430	1620
genericpath.py:121		1	1190	1490
pathlib.py:608	_format_parsed_parts	1	1330	1480
built-in	'acquire' of '_thread.RLock' objects	10	1460	1460
built-in	builtins.hasattr	7	1410	1410
built-in	'find' of 'str' objects	4	1360	1360
posixpath.py:52	normcase	1	1130	1250
data.py:45	_post_init_	1	1190	1190
posixpath.py:41	_get_sep	1	900	1190
threading.py:1430		1	840	940
encoder.py:104	init	1	840	840
built-in	'release' of '_thread.RLock' objects	10	820	820
_initpy:419	init	1	790	790
built-in	'get' of 'dict' objects	5	720	720
built-in	builtins.isinstance	4	660	660
built-in	'rfind' of 'str' objects	3	600	600
threading.py:1129		1	520	520
built-in	posix.getpid	1	500	500
built-in	$_{\text{_new}_}$ of type object at $0x5615c20f99a0$	1	480	480
_initpy:1724	isEnabledFor	1	480	480
built-in	'flush' of '_ioIOBase' objects	$\stackrel{-}{2}$	400	400
built-in	time.perf_counter_ns	1	370	370
built-in	'write' of '_io.StringIO' objects	2	300	300
built-in	'join' of 'str' objects	$\frac{2}{2}$	290	290
built-in	posix.fspath	3	250	250
	posit.iopauii		200	

File	Function	Total Calls	Total Time (ns)	Cumulative Time (ns)
built-in	sysgetframe	1	220	220
built-in	'append' of 'list' objects	2	190	190
built-in	$_{ m thread.get_ident}$	2	190	190
built-in	'disable' of '_lsprof.Profiler' objects	1	190	190
built-in	time.time	1	160	160
built-in	builtins.len	1	140	140
built-in	'reverse' of 'list' objects	1	110	110

${\bf 26} \quad process_initialization_default. Test Process Sync. prof$

Total Calls: 192



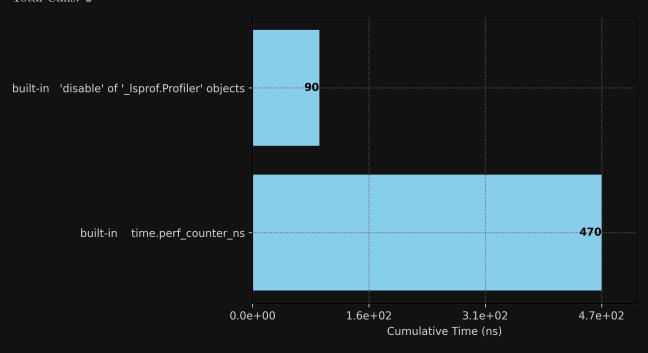
File	Function	Total Calls	Total Time (ns)	Cumulative Time (ns)
test_process.py:18	$process_initialization_default$	1	2209	316768
jstring¿:2	init	1	8360	314559
_abc.py:38	_post_init	1	2100	295989
entity.py:43	post_init	1	2050	293889
initpy:1455	debug	1	1290	290819
initpy:1600	Jog	1	2420	288919
initpy:1626	handle	1	740	262289
initpy:1680	callHandlers	1	5210	261049
initpy:955	handle	5	5710	255839
_initpy:1088	emit	5	7770	239790
initpy:1204	emit	2	1680	184690
initpy:1077	flush	5	6800	152860
built-in	'flush' of '_io.TextIOWrapper' objects	3	137890	137890
initpy:932	format	4	2290	42810
logger.py:42	format	1	3620	24730
initpy:665	format	4	4180	22370
logging.py:369	emit	2	2609	20139
_initpy:1585	makeRecord	1	980	18910
logger.py:70	format	1	3220	18540
initpy:283	init	1	8790	17930
built-in	'write' of '_io.TextIOWrapper' objects	3	17480	17480
initpy:183	dumps	1	1810	12010
initpy:359	getMessage	5	6240	10700
pathlib.py:957	_new	1	1480	10210
logging.py:133	format	2	1750	9520
encoder.py:182	encode	1	1770	9430
			$^{\mathrm{C}}$	ontinued on next page

File	Function	Total Calls	Total Time (ns)	Cumulative Time (ns)
pathlib.py:589	_from_parts	1	4000	8730
_initpy:649	formatMessage	4	1370	8180
encoder.py:204	iterencode	1	7310	7310
_initpy:567	init	1	2290	6510
_initpy:919	release	10	4920	5740
_initpy:912	acquire	10	3920	5400
_initpy:1549	findCaller	1	2860	5300
_initpy:643	usesTime	4	1290	4820
_initpy:438	format	2	730	4800
pathlib.py:621	_str_	5	3250	4460
pathlib.py:569	_parse_args	1	1230	4330
_initpy:431	_format	2	4070	4070
_initpy:426	validate	1	1890	3750
_initpy:423	usesTime	4	2230	3530
pathlib.py:56	parse_parts	1	2930	3100
posixpath.py:117	splitext	1	990	3030
posixpath.py:140	basename	1	1500	2760
built-in	time.gmtime	1	2010	2010
logging.py:205	format	2	2010	2010
built-in	'search' of 're.Pattern' objects	1	1860	1860
genericpath.py:121	v	1	1600	1850
_initpy:806	filter	6	1790	1790
built-in	time.strftime	1	1580	1580
built-in	builtins.hasattr	7	1490	1490
built-in	'acquire' of '_thread.RLock' objects	10	1480	1480
_initpy:160	lambda	1	1240	1460
built-in	'find' of 'str' objects	4	1300	1300
pathlib.py:608	_format_parsed_parts	1	1060	1210
_initpy:119	getLevelName	1	1010	1150
data.py:45	_post_init	1	1020	1020
posixpath.py:41	_get_sep	1	700	880
built-in	'release' of '_thread.RLock' objects	10	820	820
posixpath.py:52	normcase	1	700	800
encoder.py:104	init	1	770	770
built-in	'get' of 'dict' objects	5	760	760
built-in	posix.getpid	1	640	640
threading.py:1430		1	580	640
_initpy:1724	isEnabledFor	1	610	610
built-in	builtins.isinstance	4	560	560
built-in	'rfind' of 'str' objects	3	550	550
_initpy:419	_init_	1	470	470
built-in	time.perf_counter_ns	1	460	460
built-in	new of type object at 0x5615c20f99a0	1	400	400
built-in	'flush' of '_ioIOBase' objects	2	400	400
built-in	'write' of '_io.StringIO' objects	$\overset{2}{2}$	330	330
threading.py:1129		1	290	290
built-in	posix.fspath	3	250	250
built-in	'join' of 'str' objects	2	240	240
built-in	'append' of 'list' objects	$\frac{2}{2}$	240	240
	append of list objects		2 1 0	

File	Function	Total Calls	Total Time (ns)	Cumulative Time (ns)
built-in	sysgetframe	1	220	220
built-in	'disable' of '_lsprof.Profiler' objects	1	180	180
built-in	'reverse' of 'list' objects	1	170	170
built-in	$_{ m thread.get_ident}$	2	170	170
built-in	builtins.len	1	120	120
built-in	time.time	1	100	100

${\bf 27} \quad task_execution_async.coroutine.prof$

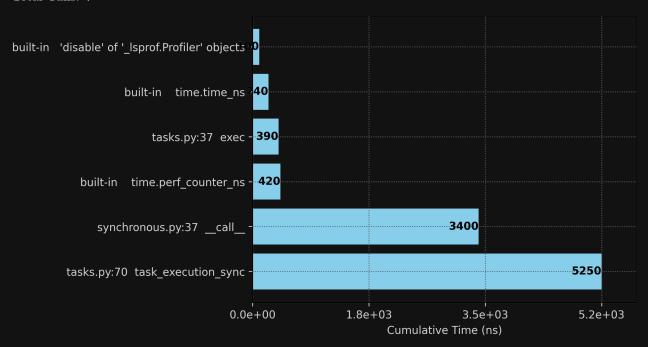
Total Calls: 2



File	Function	Total Calls	Total Time (ns)	Cumulative Time (ns)
built-in	time.perf_counter_ns	1	470	470
built-in	'disable' of '_lsprof.Profiler' objects	1	90	90

${\bf 28} \quad task_execution_sync.str.prof$

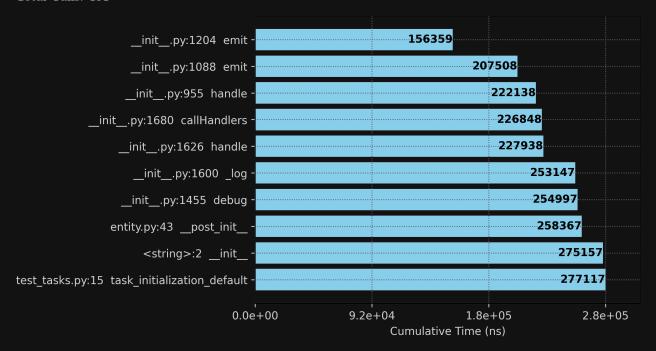
Total Calls: 7



File	Function	Total Calls	Total Time (ns)	Cumulative Time (ns)
tasks.py:70	task_execution_sync	1	1850	5250
synchronous.py:37	7call	1	2770	3400
built-in	$time.perf_counter_ns$	1	420	420
tasks.py:37	exec	1	390	390
built-in	$time.time_ns$	2	240	240
built-in	'disable' of '_lsprof.Profiler' objects	1	100	100

${\bf 29} \quad task_initialization_default. Test Task A sync. prof$

Total Calls: 191



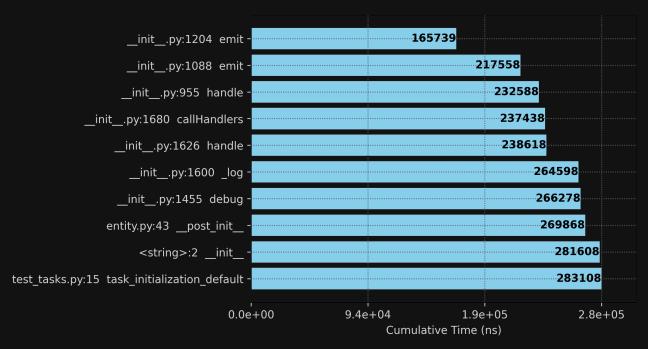
File	Function	Total Calls	Total Time (ns)	Cumulative Time (ns)
test_tasks.py:15	task_initialization_default	1	1960	277117
jstring;:2	init	1	6690	275157
entity.py:43	post_init	1	2440	258367
initpy:1455	debug	1	1410	254997
initpy:1600	_log	1	1440	253147
initpy:1626	handle	1	740	227938
initpy:1680	callHandlers	1	4710	226848
initpy:955	handle	5	5280	222138
initpy:1088	emit	5	7370	207508
initpy:1204	emit	2	1500	156359
initpy:1077	flush	5	6079	127768
built-in	'flush' of '_io.TextIOWrapper' objects	3	114789	114789
initpy:932	format	4	2050	38930
logger.py:42	format	1	3250	22610
initpy:665	format	4	3360	19600
logging.py:369	emit	2	2390	18679
initpy:1585	$\mathbf{makeRecord}$	1	760	18520
initpy:283	init	1	8430	17760
built-in	'write' of '_io.TextIOWrapper' objects	3	17150	17150
logger.py:70	format	1	2820	16020
_initpy:183	dumps	1	1900	10920
pathlib.py:957	_new	1	1680	10100
_initpy:359	$\operatorname{getMessage}$	5	5420	9350
logging.py:133	format	2	1750	8750
encoder.py:182	encode	1	1440	8420

File	Function	Total Calls	Total Time (ns)	Cumulative Time (ns)
pathlib.py:589	_from_parts	1	3940	8420
_initpy:649	formatMessage	4	1090	7400
encoder.py:204	iterencode	1	6620	6620
_initpy:567	init	1	1720	5740
_initpy:1549	findCaller	1	2809	5249
_initpy:912	acquire	10	3640	5020
_initpy:919	release	10	4090	4830
_initpy:643	usesTime	4	1170	4480
_initpy:438	format	2	740	4390
pathlib.py:569	_parse_args	1	1080	4100
pathlib.py:621	_str_	5	2790	3930
_initpy:431	_format	2	3650	3650
_initpy:426	validate	1	1880	3550
_initpy:423	usesTime	4	2130	3310
posixpath.py:140	basename	1	1660	3240
pathlib.py:56	parse_parts	1	2890	3020
posixpath.py:117	splitext	1	920	2510
logging.py:205	format	2	1920	1920
built-in	time.gmtime	1	1900	1900
built-in	'search' of 're.Pattern' objects	1	1670	1670
built-in	time.strftime	1	1550	1550
_initpy:806	filter	6	1430	1430
genericpath.py:121		1	1130	1410
built-in	'acquire' of '_thread.RLock' objects	10	1380	1380
_initpy:160	lambda	1	1150	1350
_initpy:119	getLevelName	1	1200	1330
posixpath.py:41	_get_sep	1	1090	1270
built-in	builtins.hasattr	7	1250	1250
built-in	'find' of 'str' objects	4	1180	1180
pathlib.py:608	_format_parsed_parts	1	990	1140
data.py:45	_post_init	1	930	930
posixpath.py:52	normcase	1	830	930
built-in	'release' of '_thread.RLock' objects	10	740	740
built-in	posix.getpid	1	630	630
built-in	'get' of 'dict' objects	5	620	620
threading.py:1430		1	570	620
encoder.py:104	_init_	1	600	600
built-in	builtins.isinstance	$\overset{\circ}{4}$	550	550
built-in	'rfind' of 'str' objects	3	530	530
built-in	time.perf_counter_ns	1	470	470
initpy:419	_init_	1	470	470
_initpy:1724	isEnabledFor	1	440	440
threading.py:1129		1	430	430
built-in	_new_ of type object at	1	380	380
	0x5615c20f99a0	1	300	300
built-in	'flush' of '_ioIOBase' objects	2	340	340
built-in	'write' of '_io.StringIO' objects	2	270	270
built-in	'join' of 'str' objects	2	250	250
built-in	posix.fspath	3	230	230
built-in	sysgetframe	1	200	200
Juiit-111	sysgetmanie	1	200	200

File	Function	Total Calls	Total Time (ns)	Cumulative Time (ns)
built-in	'disable' of '_lsprof.Profiler' objects	1	180	180
built-in	$_{ m thread.get_ident}$	2	150	150
built-in	'append' of 'list' objects	2	140	140
built-in	'reverse' of 'list' objects	1	130	130
built-in	builtins.len	1	120	120
built-in	time.time	1	100	100

${\bf 30} \quad task_initialization_default. Test Task Sync. prof$

Total Calls: 191



File	Function	Total Calls	Total Time (ns)	Cumulative Time (ns)
test_tasks.py:15	task_initialization_default	1	1500	283108
jstring;:2	init	1	4630	281608
entity.py:43	_post_init	1	2750	269868
initpy:1455	debug	1	1120	266278
initpy:1600	_log	1	2030	264598
initpy:1626	handle	1	890	238618
initpy:1680	callHandlers	1	4850	237438
initpy:955	handle	5	5050	232588
initpy:1088	emit	5	7690	217558
initpy:1204	emit	2	1430	165739
initpy:1077	flush	5	6300	135669
built-in	'flush' of '_io.TextIOWrapper' objects	3	122609	122609
initpy:932	format	4	2080	40930
logger.py:42	format	1	3450	24260
initpy:665	format	4	3660	20090
logging.py:369	emit	2	2780	19900
_initpy:1585	makeRecord	1	920	18560
initpy:283	init	1	8370	17640
built-in	'write' of '_io.TextIOWrapper' objects	3	16730	16730
logger.py:70	format	1	2919	16189
initpy:183	dumps	1	1970	12100
_initpy:359	$\operatorname{getMessage}$	5	5700	9860
logging.py:133	format	2	1860	9320
encoder.py:182	encode	1	1680	9080
initpy:649	formatMessage	4	1240	7600

File	Function	Total Calls	Total Time (ns)	Cumulative Time (ns)
pathlib.py:957	new	1	1080	7110
encoder.py:204	iterencode	1	7070	7070
pathlib.py:589	_from_parts	1	2610	6030
_initpy:567	init	1	1850	5530
_initpy:1549	findCaller	1	2690	5390
_initpy:912	acquire	10	3900	5260
_initpy:919	release	10	3920	4700
_initpy:643	usesTime	4	1210	4380
_initpy:438	format	2	740	4330
pathlib.py:621	_str_	5	2970	4160
_initpy:431	_format	2	3590	3590
_initpy:426	validate	1	1640	3270
_initpy:423	usesTime	4	1980	3170
pathlib.py:569	_parse_args	1	880	3150
posixpath.py:140	basename	1	1750	3130
posixpath.py:117	splitext	1	1030	2700
pathlib.py:56	parse_parts	1	2170	2270
logging.py:205	format	2	2030	2030
built-in	time.gmtime	1	1800	1800
built-in	'search' of 're.Pattern' objects	1	1630	1630
built-in	time.strftime	1	1500	1500
genericpath.py:121		1	1270	1480
_initpy:806	filter	6	1470	1470
built-in	'acquire' of '_thread.RLock' objects	10	1360	1360
_initpy:160	lambda	1	1090	1310
_initpy:119	getLevelName	1	1160	1290
posixpath.py:52	normcase	1	1120	1210
built-in	'find' of 'str' objects	$\overline{4}$	1190	1190
pathlib.py:608	_format_parsed_parts	1	1060	1190
built-in	builtins.hasattr	7	1110	1110
encoder.py:104	_init	1	1050	1050
posixpath.py:41	_get_sep	1	830	1030
data.py:45	_post_init_	1	840	840
built-in	'release' of '_thread.RLock' objects	10	780	780
threading.py:1430		1	630	750
built-in	'get' of 'dict' objects	5	630	630
_initpy:1724	isEnabledFor	1	560	560
built-in	builtins.isinstance	4	530	530
built-in	'rfind' of 'str' objects	3	490	490
built-in	posix.getpid	1	440	440
built-in	'flush' of 'io. IOBase' objects	2	420	420
initpy:419	_init_	1	410	410
built-in	time.perf_counter_ns	1	400	400
built-in	'write' of '_io.StringIO' objects	2	350	350
threading.py:1129	ũ v	1	340	340
built-in	_new_ of type object at	1	270	270
Dan III	0x5615c20f99a0	1	210	210
built-in	posix.fspath	3	250	250
built-in	_thread.get_ident	2	240	240
built-in	'join' of 'str' objects	2	230	230
	John of Sit Objects		200	

File	Function	Total Calls	Total Time (ns)	Cumulative Time (ns)
built-in	sysgetframe	1	220	220
built-in	'append' of 'list' objects	2	200	200
built-in	'disable' of '_lsprof.Profiler' objects	1	170	170
built-in	time.time	1	120	120
built-in	'reverse' of 'list' objects	1	100	100
built-in	builtins.len	1	100	100