

## Project Topic: Auditing Logs of Windows and Splunk

**Objective:** To build rules in Splunk using SPL queries for monitoring logins, errors, and unauthorized access, providing cybersecurity insights

**Tools required:** Splunk (9.3.1)

**Prerequisites:** Splunk Enterprise installed.

By following these steps, I successfully built rules in Splunk using SPL queries to monitor logins, errors, and unauthorized access for cybersecurity insights.

### Steps to be followed:

1. Wrote the SPL to search for successful logins
2. Created a search for user logins, sorted and counted by username
3. Wrote the SPL for detecting license restriction errors
4. Wrote the SPL for finding HTTP 202 and 404
5. Wrote the SPL for detecting other errors

**New Search** Save As Create Table View Close

index="\_audit" Last 24 hours Q

✓ 15,481 events (5/1/25 7:00:00.000 PM to 5/2/25 7:12:18.000 PM) No Event Sampling Job || → ⌵ ⌴ Smart Mode

**Events (15,481)** Patterns Statistics Visualization

Timeline format Zoom Out Zoom to Selection Deselect 1 hour per column

Format Show: 20 Per Page View: List < Prev 1 2 3 4 5 6 7 8 ... Next >

	i	Time	Event
>	5/2/25 7:12:16.317 PM	Audit:[timestamp=05-02-2025 19:12:16.317, user=janefrances, action=search, info=granted REST: /search/jobs/rt_md_1746227474.56, cap=1] host = CYPRIAN-HOME source = audittrail sourcetype = audittrail	
>	5/2/25 7:12:14.623 PM	Audit:[timestamp=05-02-2025 19:12:14.623, user=janefrances, action=list_health, info=granted object="splunkd" operation=list, cap=1] host = CYPRIAN-HOME source = audittrail sourcetype = audittrail	
>	5/2/25 7:12:13.317 PM	Audit:[timestamp=05-02-2025 19:12:13.317, user=janefrances, action=search, info=granted REST: /search/jobs/rt_md_1746227474.56, cap=1] host = CYPRIAN-HOME source = audittrail sourcetype = audittrail	
>	5/2/25 7:12:10.323 PM	Audit:[timestamp=05-02-2025 19:12:10.323, user=janefrances, action=search, info=granted REST: /search/jobs/rt_md_1746227474.56, cap=1] host = CYPRIAN-HOME source = audittrail sourcetype = audittrail	
>	5/2/25	Audit:[timestamp=05-02-2025 19:12:07.608, user=janefrances, action=search, info=granted REST: /search/jobs/rt_md_1746227474.56, cap=1]	

**SELECTED FIELDS**  
a host 1  
a source 1  
a sourcetype 1

**INTERESTING FIELDS**  
a action 74  
# cap 1  
# gid 1  
a index 1  
a info 84  
# isdir 2

a index 1  
a info 84  
# isdir 2  
# linecount 2  
a mode 4  
a modtime 100+  
a path 100+  
# size 100+  
a splunk\_server 1  
a timestamp 100+  
# uid 1  
a user 4

89 more fields  
+ Extract New Fields

i	Time	Event
>	5/2/25 7:12:07.608 PM	Audit:[timestamp=05-02-2025 19:12:07.608, user=janefrances, action=search, info=granted REST: /search/jobs/rt_md_1746227474.56, cap=1] host = CYPRIAN-HOME   source = audittrail   sourcetype = audittrail
>	5/2/25 7:12:05.612 PM	Audit:[timestamp=05-02-2025 19:12:05.612, user=janefrances, action=list_health, info=granted object="splunkd" operation=list, cap=1] host = CYPRIAN-HOME   source = audittrail   sourcetype = audittrail
>	5/2/25 7:12:04.610 PM	Audit:[timestamp=05-02-2025 19:12:04.610, user=janefrances, action=search, info=granted REST: /search/jobs/rt_md_1746227474.56, cap=1] host = CYPRIAN-HOME   source = audittrail   sourcetype = audittrail
>	5/2/25 7:12:01.612 PM	Audit:[timestamp=05-02-2025 19:12:01.612, user=janefrances, action=search, info=granted REST: /search/jobs/rt_md_1746227474.56, cap=1] host = CYPRIAN-HOME   source = audittrail   sourcetype = audittrail
>	5/2/25 7:11:58.606 PM	Audit:[timestamp=05-02-2025 19:11:58.606, user=janefrances, action=search, info=granted REST: /search/jobs/rt_md_1746227474.56, cap=1] host = CYPRIAN-HOME   source = audittrail   sourcetype = audittrail
>	5/2/25 7:11:55.609 PM	Audit:[timestamp=05-02-2025 19:11:55.609, user=janefrances, action=search, info=granted REST: /search/jobs/rt_md_1746227474.56, cap=1] host = CYPRIAN-HOME   source = audittrail   sourcetype = audittrail
>	5/2/25 7:11:55.609 PM	Audit:[timestamp=05-02-2025 19:11:55.609, user=janefrances, action=list_health, info=granted object="splunkd" operation=list, cap=1] host = CYPRIAN-HOME   source = audittrail   sourcetype = audittrail
>	5/2/25 7:11:53.099 PM	Audit:[timestamp=05-02-2025 19:11:53.099, user=janefrances, action=search, info=bad_request, search_id='rt_md_1746227406.55', has_error_warn=true, full_y_completed_search=false, total_run_time=84.16, event_count=0, result_count=0, available_count=0, scan_count=0, drop_count=0, exec_time=1746227407, api_et=N/A, api_lt=N/A, api_index_et=N/A, api_index_lt=N/A, search_et=N/A, search_lt=N/A, is_realtime=1, savedsearch_name="", search_startup_time="581", is_prjob=false, is_sp12_search=false, is_flex_search=false, scenarios="", rate_limit_retry_enabled=false, dispatch_artifact_bytes=114688, status_csv_bytes=4096, is_fss3=false, is_fsasl=false, acceleration_id="3E7BC679-D8F0-4EF9-A4E0-24502880BBAB_search_janefrances_d79d8decd779a2d3", app="search", provenance="UI:Search", mode="RT", is_proxied=false, duration.command.search.index=0, invocations.command.search.index.bucketcache.hit=0, duration.command.search.index.bucketcache.error=0, invocations.command.search.index.bucketcache.miss=0, duration.command.search.index.bucketcache.hit=0, invocations.command.search.rawdata.bucketcache.hit=0, duration.command.search.rawdata.bucketcache.error=0, invocations.command.search.rawdata.bucketcache.miss=0, duration.command.search.rawdata.bucketcache.hit=0, invocations.command.search.rawdata.bucketcache.error=0, roles='admin+power+user', search='  metadata type=sourcetypes   search totalCount > 0', is_federated_search=0, is

New Search

Save As Create Table View Close

Last 24 hours

67,442 events (5/1/25 7:00:00.000 PM to 5/2/25 7:18:48.000 PM) No Event Sampling

Job

Smart Mode

Events (67,442) Patterns Statistics Visualization

Timeline format Zoom Out Zoom to Selection Deselect

1 hour per column

Format Show: 20 Per Page View: List

< Prev 1 2 3 4 5 6 7 8 ... Next >

< Hide Fields

All Fields

ELECTED FIELDS

host 1

source 27

sourcetype 23

INTERESTING FIELDS

bytes 100+

component 100+

date\_hour 12

date\_mday 2

date\_minute 60

date\_month 1

date\_second 60

date\_wday 2

i	Time	Event
>	5/2/25 7:18:45.357 PM	{ [-] attr: { [+] } c: WTKCHKPT ctx: Checkpointer id: 22430 msg: WiredTiger message s: I t: { [+] } } Show as raw text host = CYPRIAN-HOME   source = C:\Program Files\Splunk\var\log\splunk\mongod.log   sourcetype = mongod
>	5/2/25	{ [-]

# date\_second 60  
# date\_wday 2  
# date\_year 1  
# date\_zone 3  
# event\_message 100+  
# group 47  
# index 1  
# linecount 5  
# log\_level 4  
# name 51  
# punct 100+  
# series 100+  
# splunk\_server 1  
# timeendpos 11  
# timestartpos 9

476 more fields

+ Extract New Fields

	Time	Event
>	5/2/25 7:18:45.102 PM	<pre>{ [-]   code: 200   durationMS: 7.504   expectedCode: 200   hostname: CYPRIAN-HOME   level: INFO   location: splunkmtclient/client.go:186   message: request to splunk server succeeded   operation: GetConfStanza   requestURL: https://127.0.0.1:8089/services/configs/conf-server/teleport_supervisor?output_mode=json   service: identity   time: 2025-05-02T23:18:45.102Z }</pre> <p>Show as raw text</p> <p>host = CYPRIAN-HOME   source = C:\Program Files\Splunk\var\log\splunk\sup-pkg-identity-stdout.log   sourcetype = sup-pkg-identity-stdout-too_small</p>
>	5/2/25 7:18:45.098 PM	<p>127.0.0.1 - splunk-system-user [02/May/2025:19:18:45.098 -0400] "GET /services/configs/conf-server/teleport_supervisor?output_mode=json HTTP/1.1" 200 1391 "-" "Go-http-client/1.1" - - - 4ms</p> <p>host = CYPRIAN-HOME   source = C:\Program Files\Splunk\var\log\splunk\splunkd_access.log   sourcetype = splunkd_access</p>
>	5/2/25 7:18:44.626 PM	<p>127.0.0.1 - janefrances [02/May/2025:19:18:44.626 -0400] "GET /en-US/splunkd/_raw/services/server/health/splunkd?output_mode=json&amp;_=1746227474213 HTTP/1.1" 200 795 "-" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/136.0.0.0 Safari/537.36" - 0cb76be46fa8c043cc2b50af834a53c0 2ms</p> <p>host = CYPRIAN-HOME   source = C:\Program Files\Splunk\var\log\splunk\splunkd_ui_access.log   sourcetype = splunkd_ui_access</p>
>	5/2/25 7:18:38.053 PM	<p>127.0.0.1 - janefrances [02/May/2025:19:18:38.053 -0400] "GET /en-US/splunkd/_raw/services/NS/nobody/search/search/v2/jobs/1746227917.61/events?output_mode=json&amp;offset=0&amp;count=20&amp;segmentation=full&amp;max_lines=5&amp;field_list=host%2Csource%2Csourcetype%2C_raw%2C_time%2C_audit%2C_decoration%2Ceventtype%2C_eventtype_color%2Clinecount%2C_fulllinecount%2C_icon%2Ctag%2Cindex&amp;truncation_mode=abstract&amp;_=1746227474212 HTTP/1.1" 200 83 "-" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/136.0.0.0 Safari/537.36" - 0cb76be46fa8c043cc2b50af834a53c0 9ms</p> <p>host = CYPRIAN-HOME   source = C:\Program Files\Splunk\var\log\splunk\splunkd_ui_access.log   sourcetype = splunkd_ui_access</p>

New Search

Save As>Create Table ViewClose

index=main OR index=\_audit OR index=\_internal

Last 24 hours

Q

✓ 96,906 events (5/1/25 8:00:00.000 PM to 5/2/25 8:06:20.000 PM) No Event Sampling

Job|||↻🗑️⬇️🔍Smart Mode

Events (96,906)PatternsStatisticsVisualization

✓Timeline formatZoom Out+ Zoom to Selection× Deselect1 hour per column

FormatShow: 20 Per PageView: List

< Prev12345678...Next >

< Hide FieldsAll Fields

SELECTED FIELDS  
a host 1  
a source 40  
a sourcetype 36

INTERESTING FIELDS  
a component 100+  
# date\_hour 12  
# date\_mday 3  
# date\_minute 60  
a date\_month 1  
# date\_second 60

i	Time	Event
>	5/2/25 8:06:19.484 PM	<p>Audit:[timestamp=05-02-2025 20:06:19.484, user=janefrances, action=list_health, info=granted object="splunkd" operation=list, cap=1]</p> <p>host = CYPRIAN-HOME   source = audittrail   sourcetype = audittrail</p>
>	5/2/25 8:06:19.484 PM	<p>127.0.0.1 - janefrances [02/May/2025:20:06:19.484 -0400] "GET /en-US/splunkd/_raw/services/server/health/splunkd?output_mode=json&amp;_=1746229999047 HTTP/1.1" 200 795 "-" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/136.0.0.0 Safari/537.36" - 0cb76be46fa8c043cc2b50af834a53c0 1ms</p> <p>host = CYPRIAN-HOME   source = C:\Program Files\Splunk\var\log\splunk\splunkd_ui_access.log   sourcetype = splunkd_ui_access</p>
>	5/2/25 8:06:19.363 PM	<p>127.0.0.1 - janefrances [02/May/2025:20:06:19.363 -0400] "GET /en-US/splunkd/_raw/services/messages?output_mode=json&amp;sort_key=timeCreated_epochSecs&amp;sort_dir=desc&amp;count=1000&amp;_=1746229999046 HTTP/1.1" 200 3586 "-" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/136.0.0.0 Safari/537.36" - 0cb76be46fa8c043cc2b50af834a53c0 1ms</p> <p>host = CYPRIAN-HOME   source = C:\Program Files\Splunk\var\log\splunk\splunkd_ui_access.log   sourcetype = splunkd_ui_access</p>

a date\_montn 1  
# date\_second 60  
a date\_wday 3  
# date\_year 1  
# date\_zone 3  
a event\_message 100+  
a group 47  
a index 2  
# linecount 6  
a log\_level 4  
a name 53  
a punct 100+  
a series 100+  
a splunk\_server 1  
# timeendpos 11  
# timesteppos 9  
a user 7

473 more fields  
+ Extract New Fields

i	time	Event
>	5/2/25 8:06:18.541 PM	127.0.0.1 - janefrances [02/May/2025:20:06:18.541 -0400] "GET /en-US/splunkd/_raw/services/search/shelper?output_mode=json&snippet=true&snippetEmbedJS=false&namespace=search&search=search%20index%3Dmain%20OR%20index%3D_audit%20OR%20index%3D_internal&useTypeahead=true&showCommandHelp=true&showCommandHistory=true&showFieldInfo=false&_id=1746229999045 HTTP/1.1" 200 31447 "-" Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/136.0.0.0 Safari/537.36" - 0cb76be46fa8c043cc2b50af834a53c0 8ms host = CYPRIAN-HOME   source = C:\Program Files\Splunk\var\log\splunk\splunkd_ui_access.log   sourcetype = splunkd_ui_access
>	5/2/25 8:06:16.693 PM	127.0.0.1 - janefrances [02/May/2025:20:06:16.693 -0400] "GET /en-US/splunkd/_raw/services/search/shelper?output_mode=json&snippet=true&snippetEmbedJS=false&namespace=search&search=search%20*&useTypeahead=true&showCommandHelp=true&showCommandHistory=true&showFieldInfo=false&_id=1746229999044 HTTP/1.1" 200 23865 "-" Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/136.0.0.0 Safari/537.36" - 0cb76be46fa8c043cc2b50af834a53c0 2ms host = CYPRIAN-HOME   source = C:\Program Files\Splunk\var\log\splunk\splunkd_ui_access.log   sourcetype = splunkd_ui_access
>	5/2/25 8:06:16.190 PM	Audit:[timestamp=05-02-2025 20:06:16.190, user=janefrances, action=search, info=granted, search_id='ta.1746230776.97', search='typeahead prefix="ev" max_time="1" count="50" use_cache="1", autojoin="0", buckets=0, ttl=10, max_count=50, maxtime=8640000, enable_lookups="0", extra_fields="", apiStartTime="MIN_TIME", apiEndTime="MIN_TIME", apiIndexStartTime="MIN_TIME", apiIndexEndTime="MIN_TIME", savedsearch_name="", search_type="typeahead", is_proxied=false, app="search", provenance="N/A", mode="historical", cap=1] host = CYPRIAN-HOME   source = audittrail   sourcetype = audittrail
>	5/2/25 8:06:16.186 PM	127.0.0.1 - janefrances [02/May/2025:20:06:16.186 -0400] "GET /en-US/splunkd/_raw/services/search/shelper?output_mode=json&snippet=true&snippetEmbedJS=false&namespace=search&search=search%20ev&useTypeahead=true&showCommandHelp=true&showCommandHistory=true&showFieldInfo=false&_id=1746229999043 HTTP/1.1" 200 24573 "-" Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/136.0.0.0 Safari/537.36" - 0cb76be46fa8c043cc2b50af834a53c0 500ms host = CYPRIAN-HOME   source = C:\Program Files\Splunk\var\log\splunk\splunkd_ui_access.log   sourcetype = splunkd_ui_access
>	5/2/25 8:06:15.668 PM	Audit:[timestamp=05-02-2025 20:06:15.668, user=janefrances, action=search, info=granted, search_id='ta.1746230775.96', search='typeahead prefix="even" max_time="1" count="50" use_cache="1", autojoin="0", buckets=0, ttl=10, max_count=50, maxtime=8640000, enable_lookups="0", extra_fields="", apiStartTime="MIN_TIME", apiEndTime="MIN_TIME", apiIndexStartTime="MIN_TIME", apiIndexEndTime="MIN_TIME", savedsearch_name="", search_type="typeahead", is_proxied=false, app="search", provenance="N/A", mode="historical", cap=1] host = CYPRIAN-HOME   source = audittrail   sourcetype = audittrail
>	5/2/25	05-02-2025 20:06:15.657 -0400 INFO SearchPipelineRun [9436 TcpChannelThread] - Search pipeline executed: sid=, pipeline=history   head   search   dedup

New Search

Save As Create Table View Close

index=main OR index=\_audit OR index=\_internal  
(EventCode=4624)  
| table \_time host Account\_Name Source\_Network\_Address Destination\_Network\_Address Logon\_Type Logon\_Process Authentication\_Package\_Name  
| sort - \_time

Last 24 hours

✓ 1 event (5/1/25 8:00:00.000 PM to 5/2/25 8:09:44.000 PM) No Event Sampling Job || | ↗ 🗑️ ⬇️ Smart Mode

Events Patterns Statistics (1) Visualization

Show: 20 Per Page
Format
Preview: On

_time	host	Account_Name	Source_Network_Address	Destination_Network_Address	Logon_Type	Logon_Process	Authentication_Package_Name
2025-05-02 20:09:24.488	CYPRIAN-HOME						

New Search

Save As Create Table View Close

index=main OR index=\_audit OR index=\_internal  
(EventCode=4624)  
| table \_time host Account\_Name Source\_Network\_Address Destination\_Network\_Address Logon\_Type Logon\_Process Authentication\_Package\_Name  
| sort - \_time

Last 24 hours

✓ 4 events (5/1/25 8:00:00.000 PM to 5/2/25 8:13:00.000 PM) No Event Sampling Job || | ↗ 🗑️ ⬇️ Smart Mode

Events Patterns Statistics (4) Visualization

Show: 20 Per Page
 Format
 Preview: On

_time	host	Account_Name	Source_Network_Address	Destination_Network_Address	Logon_Type	Logon_Process	Authentication_Package_Name
2025-05-02 20:09:53.108	CYPRIAN-HOME						
2025-05-02 20:09:53.089	CYPRIAN-HOME						
2025-05-02 20:09:44.882	CYPRIAN-HOME						
2025-05-02 20:09:24.488	CYPRIAN-HOME						

Step 2: Created a search for user logins and sorted and counted by username

New Search

Save AsCreate Table ViewClose

index=\_audit | stats count by user | sort -count

Last 24 hours

16,797 events (5/1/25 8:00:00.000 PM to 5/2/25 8:35:06.000 PM)No Event SamplingJobPauseRefreshDownloadSmart Mode

EventsPatternsStatistics (4)Visualization

Show: 20 Per PageFormatPreview: On

user	count
janefrance	1
janefrances	8873
n/a	7717
splunk-system-user	286

Step 3: Wrote the SPL for detecting license restriction errors

New Search

Save AsCreate Table ViewClose

index=main OR index=\_internal sourcetype=splunkd  
| search "LicenseRestriction"  
| table \_time host sourcetype \_raw  
| sort - \_time

Last 24 hours

0 events (5/1/25 8:00:00.000 PM to 5/2/25 8:50:00.000 PM)No Event SamplingJobPauseRefreshDownloadSmart Mode

EventsPatternsStatistics (0)Visualization

Show: 20 Per PageFormatPreview: On

No results found. Try expanding the time range.

## Step 4: Wrote the SPL for finding HTTP 202 and 404

**New Search** Save As Create Table View Close

```
index=main OR index=_internal sourcetype=Splunkd_access OR sourcetype=Splunkd_ui_access
| search "HTTP/1.1\" 200"
| table _time host user status_code uri
| sort - _time
```

✓ 5,734 events (5/1/25 8:00:00.000 PM to 5/2/25 8:52:00.000 PM) No Event Sampling ▾ Job ▾ || → 🔍 Smart Mode ▾

Events Patterns **Statistics (5,734)** Visualization

Show: 20 Per Page ▾ Format ▾ Preview: On < Prev 1 2 3 4 5 6 7 8 ... Next >

_time ▾	host ▾	user ▾	status_code ▾	uri ▾
2025-05-02 20:51:57.403	CYPRIAN-HOME	janefrances		/en-US/splunkd/___raw/services/search/shelper?output_mode=json&snippet=true&snippetEmbedJS=false&namespace=search&search=search%20index%3Dmain%20OR%20index%3D_internal%20sourcetype%3DSplunkd_acce%20_time&useTypeahead=true&showCommandHelp=true&showCommandHistory=true&showFieldInfo=false&_id=1746229999473
2025-05-02 20:51:49.484	CYPRIAN-HOME	janefrances		/en-US/splunkd/___raw/services/server/health/splunkd?output_mode=json&_id=1746229999472
2025-05-02 20:51:46.847	CYPRIAN-HOME	janefrances		/en-US/splunkd/___raw/servicesNS/nobody/search/search/v2/jobs/1746233400.119/control
2025-05-02 20:51:45.098	CYPRIAN-HOME	splunk-system-user		/services/configs/conf-server/teleport_supervisor?output_mode=json
2025-05-02 20:51:39.687	CYPRIAN-HOME	janefrances		/en-US/splunkd/___raw/services/server/health/splunkd?output_mode=json&_id=1746229999471

4.2 Searched the below query in the search box to troubleshoot web server or Splunk UI issues by analyzing patterns of 404 errors:

**New Search** Save As Create Table View Close

```
index=main OR index=_internal sourcetype=Splunkd_access OR sourcetype=Splunkd_ui_access
| search "HTTP/1.1\" 404"
| table _time host user status_code uri
| sort - _time
```

✓ 33 events (5/1/25 8:00:00.000 PM to 5/2/25 8:54:17.000 PM) No Event Sampling ▾ Job ▾ || → 🔍 Smart Mode ▾

Events Patterns **Statistics (33)** Visualization

Show: 20 Per Page ▾ Format ▾ Preview: On < Prev 1 2 Next >

_time ▾	host ▾	user ▾	status_code ▾	uri ▾
2025-05-02 19:53:19.130	CYPRIAN-HOME	janefrances		/en-US/splunkd/___raw/servicesNS/janefrances/search/data/ui/prefs/search?output_mode=json&_id=1746229998864
2025-05-02 19:11:14.327	CYPRIAN-HOME	janefrances		/en-US/splunkd/___raw/servicesNS/janefrances/search/data/ui/prefs/search?output_mode=json&_id=1746227474090
2025-05-02 19:10:06.690	CYPRIAN-HOME	janefrances		/en-US/splunkd/___raw/servicesNS/janefrances/search/data/ui/prefs/search?output_mode=json&_id=1746227406377
2025-05-02 17:12:57.425	CYPRIAN-HOME	janefrances		/en-US/splunkd/___raw/servicesNS/nobody/splunk_instrumentation/janefrances/telemetry/general?output_mode=json
2025-05-02 17:12:56.999	CYPRIAN-HOME	janefrances		/en-US/splunkd/___raw/services/dmc-conf/settings/settings?output_mode=json
2025-05-02 17:08:26.775	CYPRIAN-HOME	janefrances		/en-US/splunkd/___raw/servicesNS/nobody/splunk_instrumentation/janefrances/telemetry/general?output_mode=json
2025-05-02 17:08:26.252	CYPRIAN-HOME	janefrances		/en-US/splunkd/___raw/services/dmc-conf/settings/settings?output_mode=json
2025-05-01 22:36:45.468	CYPRIAN-HOME	janefrances		/en-US/splunkd/___raw/servicesNS/nobody/splunk_instrumentation/janefrances/telemetry/general?output_mode=json
2025-05-01 22:36:45.191	CYPRIAN-HOME	janefrances		/en-US/splunkd/___raw/services/dmc-conf/settings/settings?output_mode=json

2025-05-02 19:11:14.327	CYPRIAN-HOME	janefrances	/en-US/splunkd/___raw/servicesNS/janefrances/search/data/ui/prefs/search?output_mode=json&_id=1746227406377
2025-05-02 19:10:06.690	CYPRIAN-HOME	janefrances	/en-US/splunkd/___raw/servicesNS/janefrances/search/data/ui/prefs/search?output_mode=json&_id=1746227406377
2025-05-02 17:12:57.425	CYPRIAN-HOME	janefrances	/en-US/splunkd/___raw/servicesNS/nobody/splunk_instrumentation/janefrances/telemetry/general?output_mode=json
2025-05-02 17:12:56.999	CYPRIAN-HOME	janefrances	/en-US/splunkd/___raw/services/dmc-conf/settings/settings?output_mode=json
2025-05-02 17:08:26.775	CYPRIAN-HOME	janefrances	/en-US/splunkd/___raw/servicesNS/nobody/splunk_instrumentation/janefrances/telemetry/general?output_mode=json
2025-05-02 17:08:26.252	CYPRIAN-HOME	janefrances	/en-US/splunkd/___raw/services/dmc-conf/settings/settings?output_mode=json
2025-05-01 22:36:45.468	CYPRIAN-HOME	janefrances	/en-US/splunkd/___raw/servicesNS/nobody/splunk_instrumentation/janefrances/telemetry/general?output_mode=json
2025-05-01 22:36:45.191	CYPRIAN-HOME	janefrances	/en-US/splunkd/___raw/services/dmc-conf/settings/settings?output_mode=json
2025-05-01 22:33:56.478	CYPRIAN-HOME	janefrances	/en-US/splunkd/___raw/servicesNS/nobody/splunk_instrumentation/janefrances/telemetry/general?output_mode=json
2025-05-01 22:33:55.883	CYPRIAN-HOME	janefrances	/en-US/splunkd/___raw/services/dmc-conf/settings/settings?output_mode=json
2025-05-01 22:30:31.490	CYPRIAN-HOME	janefrances	/en-US/splunkd/___raw/servicesNS/janefrances/search/data/ui/prefs/search?output_mode=json&_id=1746153031210
2025-05-01 22:26:53.279	CYPRIAN-HOME	janefrances	/en-US/splunkd/___raw/servicesNS/janefrances/search/data/ui/prefs/adddatamethods?output_mode=json&_id=1746152798700
2025-05-01 22:26:38.914	CYPRIAN-HOME	janefrances	/en-US/splunkd/___raw/services/cluster_blaster_indexes/sh_indexes_manager/_new?output_mode=json&_id=1746152798677
2025-05-01 22:26:38.914	CYPRIAN-HOME	janefrances	/en-US/splunkd/___raw/services/dmc-conf/settings/settings?output_mode=json&_id=1746152798676
2025-05-01 22:26:38.901	CYPRIAN-HOME	janefrances	/en-US/splunkd/___raw/services/dmc-conf/settings/settings?output_mode=json&_id=1746152798673
2025-05-01 22:26:28.329	CYPRIAN-HOME	janefrances	/en-US/splunkd/___raw/services/cluster_blaster_indexes/sh_indexes_manager/_new?output_mode=json&_id=1746152787973
2025-05-01 22:26:28.317	CYPRIAN-HOME	janefrances	/en-US/splunkd/___raw/services/dmc-conf/settings/settings?output_mode=json&_id=1746152787972
2025-05-01 22:26:28.311	CYPRIAN-HOME	janefrances	/en-US/splunkd/___raw/services/dmc-conf/settings/settings?output_mode=json&_id=1746152787969
2025-05-01 22:22:43.598	CYPRIAN-HOME	janefrances	/en-US/splunkd/___raw/servicesNS/janefrances/search/data/ui/prefs/adddatamethods?output_mode=json&_id=1746152333855

### Step 5: Wrote the SPL for detecting other errors

New Search

index=main OR index=\_internal (sourcetype=Splunkd OR sourcetype=Splunk\_python)

| search "access denied" OR "permission denied" OR "ERROR"

| table \_time host sourcetype \_raw

| sort - \_time

Last 24 hours

🔍

✓ 51 events (5/1/25 8:00:00.000 PM to 5/2/25 8:56:33.000 PM) No Event Sampling

Job

Smart Mode

Events

Patterns

Statistics (51)

Visualization

Show: 20 Per Page

Format

Preview: On

< Prev

1

2

3

Next >

_time	host	sourcetype	_raw
2025-05-02 19:10:30.058	CYPRIAN-HOME	splunkd	05-02-2025 19:10:30.058 -0400 ERROR AdminManager [3228 TcpChannelThread] - Argument "type" is not supported by this handler.
2025-05-02 19:08:24.680	CYPRIAN-HOME	splunkd	05-02-2025 19:08:24.680 -0400 ERROR AdminManager [9376 TcpChannelThread] - Argument "type" is not supported by this handler.
2025-05-02 17:43:31.900	CYPRIAN-HOME	splunkd	05-02-2025 17:43:31.900 -0400 ERROR AdminManager [11424 TcpChannelThread] - Argument "type" is not supported by this handler.
2025-05-02 17:41:54.272	CYPRIAN-HOME	splunkd	05-02-2025 17:41:54.272 -0400 ERROR AdminHandler:AuthenticationHandler [10124 TcpChannelThread] - Cannot create user that already exists: janefrances
2025-05-02 17:41:54.268	CYPRIAN-HOME	splunkd	05-02-2025 17:41:54.268 -0400 ERROR AuthenticationManagerSplunk [10124 TcpChannelThread] - Cannot create user that already exists: janefrances
2025-05-02	CYPRIAN-HOME	splunkd	05-02-2025 17:31:54.316 -0400 ERROR AdminManager [3372 TcpChannelThread] - Argument "type" is not supported by this handler.

17:43:31.900	HOME			
2025-05-02 17:41:54.272	CYPRIAN- HOME	splunkd	05-02-2025 17:41:54.272 -0400 ERROR AdminHandler:AuthenticationHandler [10124 TcpChannelThread] - Cannot create user that already exists: janefrances	
2025-05-02 17:41:54.268	CYPRIAN- HOME	splunkd	05-02-2025 17:41:54.268 -0400 ERROR AuthenticationManagerSplunk [10124 TcpChannelThread] - Cannot create user that already exists: janefrances	
2025-05-02 17:31:54.316	CYPRIAN- HOME	splunkd	05-02-2025 17:31:54.316 -0400 ERROR AdminManager [3372 TcpChannelThread] - Argument "type" is not supported by this handler.	
2025-05-02 17:28:10.373	CYPRIAN- HOME	splunkd	05-02-2025 17:28:10.373 -0400 ERROR AdminManager [7152 TcpChannelThread] - Argument "type" is not supported by this handler.	
2025-05-02 17:19:26.843	CYPRIAN- HOME	splunkd	05-02-2025 17:19:26.843 -0400 ERROR AdminManager [18744 TcpChannelThread] - Argument "type" is not supported by this handler.	
2025-05-02 17:18:43.439	CYPRIAN- HOME	splunkd	05-02-2025 17:18:43.439 -0400 ERROR AdminManager [21596 TcpChannelThread] - Argument "type" is not supported by this handler.	
2025-05-02 17:10:18.780	CYPRIAN- HOME	splunkd	05-02-2025 17:10:18.780 -0400 ERROR AdminManager [17512 TcpChannelThread] - Argument "type" is not supported by this handler.	
2025-05-01 22:26:53.750	CYPRIAN- HOME	splunkd	05-01-2025 22:26:53.750 -0400 ERROR Timeliner [12432 searchOrchestrator] - Failed to rm dir C:\Program Files\Splunk\var\run\splunk\dispatch\1746152810.30\buckets: 1 errors occurred, description of first error: [{operation:"failed to remove file", error:"The process cannot access the file because it is being used by another process.", file:"C:\Program Files\Splunk\var\run\splunk\dispatch\1746152810.30\buckets\1730433600.000_1733029200.000.csv"}]	
2025-05-01 22:26:53.732	CYPRIAN- HOME	splunkd	05-01-2025 22:26:53.732 -0400 WARN SearchOrchestrator [12432 searchOrchestrator] - Could not cleanup timeliner buckets directory before search: 1 errors occurred, description of first error: [{operation:"failed to remove file", error:"The process cannot access the file because it is being used by another process.", file:"C:\Program Files\Splunk\var\run\splunk\dispatch\1746152810.30\buckets\1730433600.000_1733029200.000.csv"}]	
2025-05-01 22:25:17.092	CYPRIAN- HOME	splunkd	05-01-2025 22:25:17.092 -0400 ERROR IndexConfig [16372 FilesystemOpExecutorWorker-0] - Asked to check if idx=practicesplunk is clustered, but that index does not exist on the system as it is disabled	