ISACA®
San Francisco Chapter

Threat Hunting

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Who

- Sam Bowne
- Twitter: **@sambowne**
- Instructor, City College San Francisco
- Founder, Infosec Decoded, Inc.
- All slides, lecture videos, projects, etc. free at
  - **samsclass.info**
- All classes free online worldwide

CNIT 50: Network Security Monitoring

Spring 2020 Sam Bowne

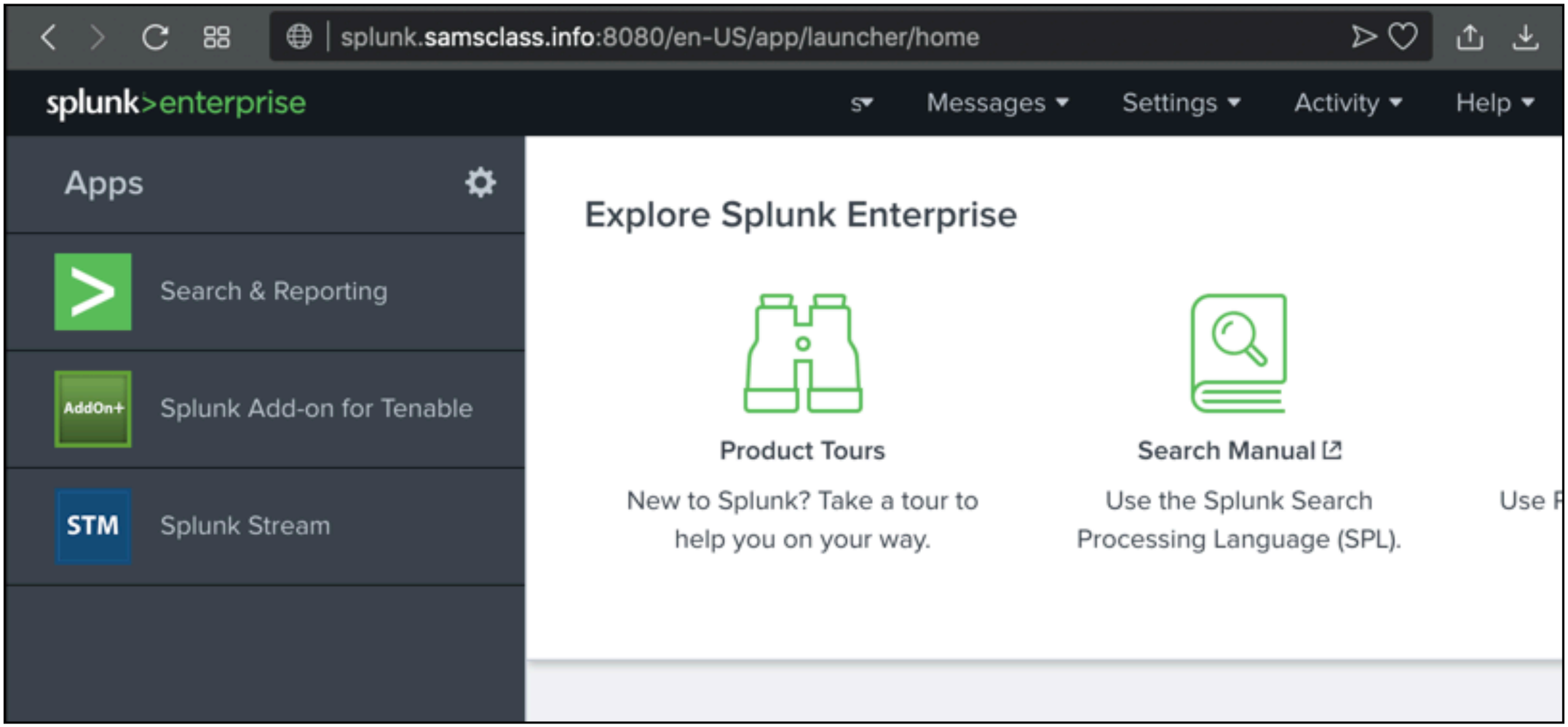
Course Description

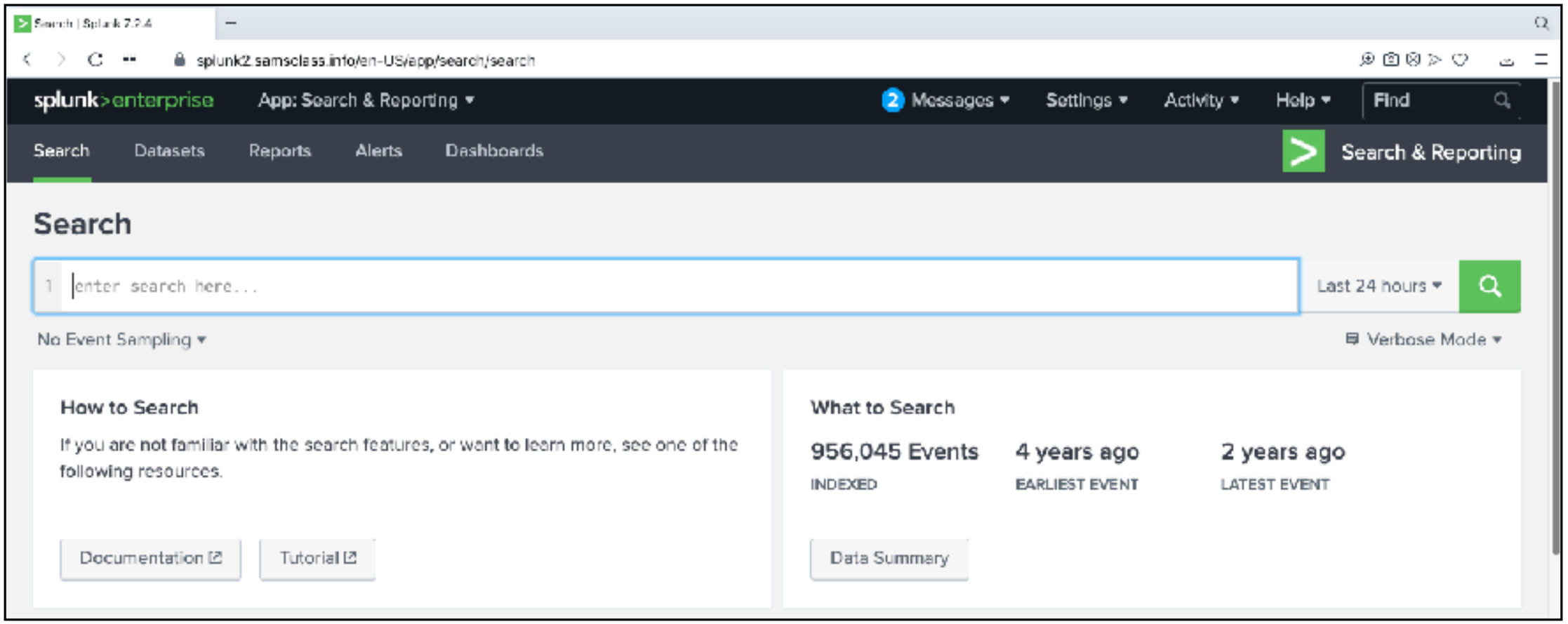
This course teaches you how to search and navigate in Splunk, use fields, get statistics from your data, create reports, dashboards, lookups, and alerts. Scenario-based examples and hands-on challenges will enable you to create robust searches, reports, and charts. It will also introduce you to Splunk's datasets features and Pivot interface.

Boss of the SOC v1

Threat Hunting with Splunk

Google for Log Data




splunk2.samsclass.info/en-US/app/search/search
splunk>enterprise
App: Search & Reporting
2 Messages
Settings
Activity
Help
Find
Search
Datasets
Reports
Alerts
Dashboards
Search & Reporting
Search
1 enter search here...
Last 24 hours
No Event Sampling
Verbose Mode
How to Search
If you are not familiar with the search features, or want to learn more, see one of the following resources.
Documentation
Tutorial
What to Search
956,045 Events
INDEXED
4 years ago
EARLIEST EVENT
2 years ago
LATEST EVENT
Data Summary

Data Summary

Hosts (8) Sources (31) **Sourcetypes (23)**

filter

Sourcetype		Count	Last Update
wineventlog		113	8/24/16 11:20:29.000 AM
wineventlog		87,430	8/24/16 11:27:41.000 AM
wineventlog		182	8/24/16 11:27:27.000 AM
WinRegistry		74,720	8/24/16 11:27:42.000 AM
XmlWinEventLog:Microsoft-Windows-Sysmon/Operational		270,597	8/24/16 11:27:40.000 AM
fgt_event		57	8/24/16 11:25:51.000 AM
fgt_traffic		55,279	8/24/16 11:27:44.000 AM
fgt_utm		25,586	8/24/16 11:27:14.000 AM
iis		22,615	8/24/16 9:38:01.000 AM
nessus:scan		65	8/24/16 9:34:37.000 AM

Data Summary

Hosts (8) Sources (31) **Sourcetypes (23)**

filter

Sourcetype		Count	Last Update
stream:icmp		12,858	8/24/16 11:17:35.000 AM
stream:ip		62,111	2/8/19 5:49:10.000 PM
stream:ldap		344	8/24/16 11:18:37.000 AM
stream:mapi		7,025	8/24/16 9:37:58.000 AM
stream:sip		12	8/24/16 9:34:24.000 AM
stream:smb		151,568	8/24/16 11:27:38.000 AM
stream:snmp		12	8/24/16 9:33:51.000 AM
stream:tcp		28,330	2/8/19 5:49:41.000 PM
stream:udp		1	2/8/19 5:45:44.000 PM
suricata		125,584	8/24/16 11:27:43.000 AM

Demonstration

Boss of the SOC v1: Threat Hunting with Splunk

- https://samsclass.info/50/proj/botsv1.htm