

anomalies_detected_evidence

timestamp	user_id	event_type
2025-08-18 10:52:12.227260	UNKNOWN	email_sent
2025-08-18 11:47:12.227260	user_5	network_connection
2025-08-18 11:45:12.227260	user_9	file_access
2025-08-18 10:39:12.227260	user_7	file_access
2025-08-18 10:59:12.227260	user_2	network_connection
2025-08-18 11:37:12.227260	UNKNOWN	file_access
2025-08-18 10:31:12.227260	user_4	logout
2025-08-18 11:46:12.227260	user_3	file_access
2025-08-18 11:20:12.227260	user_6	login
2025-08-18 11:28:12.227260	user_7	login
2025-08-18 11:05:12.227260	user_1	file_access
2025-08-18 11:11:12.227260	UNKNOWN	logout
2025-08-18 10:52:12.227260	user_6	file_access
2025-08-18 11:38:12.227260	user_1	network_connection
2025-08-18 10:25:12.227260	user_10	file_access
2025-08-18 10:52:12.227260	user_6	logout
2025-08-18 12:02:12.227260	user_8	file_access
2025-08-18 11:39:12.227260	user_6	email_sent
2025-08-18 11:01:12.227260	user_8	network_connection
2025-08-18 11:07:12.227260	user_5	logout
2025-08-18 11:31:12.227260	user_7	network_connection
2025-08-18 11:31:12.227260	user_5	login
2025-08-18 11:42:12.227260	UNKNOWN	file_access
2025-08-18 11:28:12.227260	user_6	login
2025-08-18 11:47:12.227260	UNKNOWN	email_sent
2025-08-18 10:27:12.227260	UNKNOWN	logout
2025-08-18 10:35:12.227260	user_6	file_access
2025-08-18 11:44:12.227260	user_7	file_access
2025-08-18 10:54:12.227260	user_7	email_sent
2025-08-18 11:32:12.227260	user_6	network_connection
2025-08-18 12:01:12.227260	user_7	logout
2025-08-18 11:33:12.227260	user_9	network_connection
2025-08-18 11:06:12.227260	user_2	network_connection
2025-08-18 10:38:12.227260	user_4	network_connection
2025-08-18 10:42:12.227260	user_1	file_access
2025-08-18 11:46:12.227260	user_7	logout
2025-08-18 10:24:12.227260	user_10	login
2025-08-18 10:57:12.227260	user_3	network_connection
2025-08-18 10:50:12.227260	user_1	network_connection
2025-08-18 10:24:12.227260	user_6	logout
2025-08-18 11:50:12.227260	user_6	file_access
2025-08-18 10:46:12.227260	user_1	network_connection
2025-08-18 10:35:12.227260	user_5	file_access
2025-08-18 10:33:12.227260	UNKNOWN	network_connection
2025-08-18 11:48:12.227260	user_7	network_connection
2025-08-18 11:51:12.227260	user_7	email_sent
2025-08-18 11:39:12.227260	user_7	login
2025-08-18 11:58:12.227260	user_9	network_connection
2025-08-18 11:37:12.227260	user_7	login
2025-08-18 11:02:12.227260	user_4	email_sent
2025-08-18 11:22:12.227260	user_9	email_sent
2025-08-18 10:30:12.227260	user_6	logout

anomalies_detected_evidence

2025-08-18 11:30:12.227260	user_3	network_connection
2025-08-18 11:44:12.227260	user_2	file_access
2025-08-18 11:45:12.227260	user_2	logout
2025-08-18 10:47:12.227260	user_7	logout
2025-08-18 11:20:12.227260	user_8	logout
2025-08-18 11:33:12.227260	user_5	email_sent
2025-08-18 10:32:12.227260	user_1	logout
2025-08-18 10:57:12.227260	user_9	logout
2025-08-18 10:53:12.227260	user_1	email_sent
2025-08-18 11:34:12.227260	UNKNOV	email_sent
2025-08-18 10:50:12.227260	user_7	logout
2025-08-18 11:51:12.227260	user_10	email_sent
2025-08-18 10:37:12.227260	user_5	login
2025-08-18 10:38:12.227260	user_6	logout
2025-08-18 10:57:12.227260	UNKNOV	logout
2025-08-18 11:58:12.227260	user_9	file_access
2025-08-18 11:59:12.227260	user_1	logout
2025-08-18 10:54:12.227260	user_6	login
2025-08-18 11:07:12.227260	user_10	logout
2025-08-18 11:33:12.227260	user_3	file_access
2025-08-18 11:26:12.227260	user_7	logout
2025-08-18 11:31:12.227260	user_9	file_access
2025-08-18 11:13:12.227260	user_9	login
2025-08-18 11:57:12.227260	user_5	email_sent
2025-08-18 10:59:12.227260	user_1	login
2025-08-18 11:52:12.227260	user_6	logout
2025-08-18 11:36:12.227260	user_8	email_sent
2025-08-18 10:51:12.227260	user_2	email_sent
2025-08-18 10:33:12.227260	user_2	file_access
2025-08-18 10:24:12.227260	user_6	file_access
2025-08-18 10:30:12.227260	user_2	email_sent
2025-08-18 11:33:12.227260	user_2	logout
2025-08-18 11:13:12.227260	user_5	email_sent
2025-08-18 11:39:12.227260	user_4	file_access
2025-08-18 11:37:12.227260	user_9	logout
2025-08-18 11:49:12.227260	user_3	network_connection
2025-08-18 11:44:12.227260	user_4	email_sent
2025-08-18 11:15:12.227260	user_10	login
2025-08-18 12:01:12.227260	user_4	network_connection
2025-08-18 11:16:12.227260	user_9	network_connection
2025-08-18 11:26:12.227260	user_10	file_access
2025-08-18 11:03:12.227260	user_8	file_access
2025-08-18 11:22:12.227260	user_3	email_sent
2025-08-18 11:53:12.227260	UNKNOV	file_access
2025-08-18 11:41:12.227260	user_9	file_access
2025-08-18 11:25:12.227260	user_4	logout
2025-08-18 10:47:12.227260	user_1	file_access
2025-08-18 11:17:12.227260	user_7	logout

anomalies_detected_evidence

message	hour_of_day
Email sent from Jane Doe to John Doe about Project X and the London office.	10
Connection to www.suspicious-site-5.com on port 8080	11
Accessed sensitive document path: /home/user_1/docs/private_file_5.txt	11
Accessed sensitive document path: /home/user_3/docs/private_file_1.txt	10
Connection to www.suspicious-site-2.com on port 8080	10
Accessed sensitive document path: /home/user_9/docs/private_file_1.txt	11
logout event.	10
Accessed sensitive document path: /home/user_7/docs/private_file_2.txt	11
User logged in from IP 192.168.1.75	11
User logged in from IP 192.168.1.122	11
Accessed sensitive document path: /home/user_8/docs/private_file_3.txt	11
logout event.	11
Accessed sensitive document path: /home/user_4/docs/private_file_4.txt	10
Connection to www.suspicious-site-2.com on port 8080	11
Accessed sensitive document path: /home/user_3/docs/private_file_1.txt	10
UNKNOWN	10
Accessed sensitive document path: /home/user_6/docs/private_file_2.txt	12
Email sent from Jane Doe to John Doe about Project X and the London office.	11
Connection to www.suspicious-site-4.com on port 8080	11
logout event.	11
Connection to www.suspicious-site-1.com on port 8080	11
User logged in from IP 192.168.1.186	11
Accessed sensitive document path: /home/user_8/docs/private_file_3.txt	11
User logged in from IP 192.168.1.84	11
Email sent from Jane Doe to John Doe about Project X and the London office.	11
logout event.	10
Accessed sensitive document path: /home/user_1/docs/private_file_5.txt	10
Accessed sensitive document path: /home/user_3/docs/private_file_5.txt	11
Email sent from Jane Doe to John Doe about Project X and the London office.	10
Connection to www.suspicious-site-3.com on port 8080	11
logout event.	12
Connection to www.suspicious-site-5.com on port 8080	11
Connection to www.suspicious-site-2.com on port 8080	11
Connection to www.suspicious-site-5.com on port 8080	10
Accessed sensitive document path: /home/user_2/docs/private_file_4.txt	10
logout event.	11
User logged in from IP 192.168.1.119	10
Connection to www.suspicious-site-2.com on port 8080	10
Connection to www.suspicious-site-1.com on port 8080	10
logout event.	10
Accessed sensitive document path: /home/user_1/docs/private_file_5.txt	11
Connection to www.suspicious-site-4.com on port 8080	10
UNKNOWN	10
Connection to www.suspicious-site-1.com on port 8080	10
Connection to www.suspicious-site-4.com on port 8080	11
Email sent from Jane Doe to John Doe about Project X and the London office.	11
User logged in from IP 192.168.1.46	11
Connection to www.suspicious-site-1.com on port 8080	11
User logged in from IP 192.168.1.67	11
Email sent from Jane Doe to John Doe about Project X and the London office.	11
Email sent from Jane Doe to John Doe about Project X and the London office.	11
logout event.	10

anomalies_detected_evidence

Connection to www.suspicious-site-1.com on port 8080	11
Accessed sensitive document path: /home/user_10/docs/private_file_4.txt	11
logout event.	11
logout event.	10
logout event.	11
Email sent from Jane Doe to John Doe about Project X and the London office.	11
logout event.	10
logout event.	10
Email sent from Jane Doe to John Doe about Project X and the London office.	10
Email sent from Jane Doe to John Doe about Project X and the London office.	11
logout event.	10
Email sent from Jane Doe to John Doe about Project X and the London office.	11
User logged in from IP 192.168.1.9	10
logout event.	10
logout event.	10
Accessed sensitive document path: /home/user_4/docs/private_file_5.txt	11
logout event.	11
User logged in from IP 192.168.1.205	10
logout event.	11
Accessed sensitive document path: /home/user_7/docs/private_file_2.txt	11
logout event.	11
Accessed sensitive document path: /home/user_2/docs/private_file_2.txt	11
User logged in from IP 192.168.1.215	11
Email sent from Jane Doe to John Doe about Project X and the London office.	11
UNKNOWN	10
UNKNOWN	11
Email sent from Jane Doe to John Doe about Project X and the London office.	11
Email sent from Jane Doe to John Doe about Project X and the London office.	10
Accessed sensitive document path: /home/user_3/docs/private_file_3.txt	10
Accessed sensitive document path: /home/user_9/docs/private_file_4.txt	10
Email sent from Jane Doe to John Doe about Project X and the London office.	10
logout event.	11
UNKNOWN	11
Accessed sensitive document path: /home/user_10/docs/private_file_5.txt	11
logout event.	11
Connection to www.suspicious-site-3.com on port 8080	11
Email sent from Jane Doe to John Doe about Project X and the London office.	11
User logged in from IP 192.168.1.96	11
Connection to www.suspicious-site-1.com on port 8080	12
Connection to www.suspicious-site-1.com on port 8080	11
Accessed sensitive document path: /home/user_4/docs/private_file_5.txt	11
Accessed sensitive document path: /home/user_7/docs/private_file_1.txt	11
Email sent from Jane Doe to John Doe about Project X and the London office.	11
Accessed sensitive document path: /home/user_1/docs/private_file_1.txt	11
Accessed sensitive document path: /home/user_3/docs/private_file_3.txt	11
logout event.	11
Accessed sensitive document path: /home/user_1/docs/private_file_2.txt	10
logout event.	11

anomalies_detected_evidence

day_of_week	is_weekend	is_anomaly
Monday	False	-1
Monday	False	1
Monday	False	1
Monday	False	-1
Monday	False	-1
Monday	False	1
Monday	False	-1
Monday	False	1
Monday	False	1
Monday	False	1
Monday	False	1
Monday	False	1
Monday	False	-1
Monday	False	1
Monday	False	-1
Monday	False	-1
Monday	False	1
Monday	False	1
Monday	False	1
Monday	False	1
Monday	False	1
Monday	False	1
Monday	False	1
Monday	False	1
Monday	False	-1
Monday	False	-1
Monday	False	1
Monday	False	-1
Monday	False	1
Monday	False	-1
Monday	False	1
Monday	False	1
Monday	False	-1
Monday	False	-1
Monday	False	-1
Monday	False	-1
Monday	False	-1
Monday	False	1
Monday	False	-1
Monday	False	-1
Monday	False	-1
Monday	False	1
Monday	False	-1
Monday	False	-1
Monday	False	1
Monday	False	1
Monday	False	1
Monday	False	1
Monday	False	1
Monday	False	1
Monday	False	1
Monday	False	-1

anomalies_detected_evidence

Monday	False	1
Monday	False	1
Monday	False	1
Monday	False	-1
Monday	False	1
Monday	False	1
Monday	False	-1
Monday	False	-1
Monday	False	-1
Monday	False	1
Monday	False	-1
Monday	False	1
Monday	False	-1
Monday	False	-1
Monday	False	-1
Monday	False	1
Monday	False	1
Monday	False	-1
Monday	False	1
Monday	False	1
Monday	False	1
Monday	False	1
Monday	False	1
Monday	False	-1
Monday	False	1
Monday	False	1
Monday	False	-1
Monday	False	-1
Monday	False	-1
Monday	False	-1
Monday	False	1
Monday	False	1
Monday	False	1
Monday	False	1
Monday	False	1
Monday	False	1
Monday	False	1
Monday	False	1
Monday	False	1
Monday	False	1
Monday	False	1
Monday	False	1
Monday	False	1
Monday	False	1
Monday	False	1
Monday	False	-1
Monday	False	1

extracted_entities

messages_id message

0 Email sent from Jane Doe to John Doe about Project X and the London office.
0 Email sent from Jane Doe to John Doe about Project X and the London office.
0 Email sent from Jane Doe to John Doe about Project X and the London office.
0 Email sent from Jane Doe to John Doe about Project X and the London office.
0 Email sent from Jane Doe to John Doe about Project X and the London office.
1 Connection to www.suspicious-site-5.com on port 8080
4 Connection to www.suspicious-site-2.com on port 8080
8 User logged in from IP 192.168.1.75
9 User logged in from IP 192.168.1.122
9 User logged in from IP 192.168.1.122
13 Connection to www.suspicious-site-2.com on port 8080
17 Email sent from Jane Doe to John Doe about Project X and the London office.
17 Email sent from Jane Doe to John Doe about Project X and the London office.
17 Email sent from Jane Doe to John Doe about Project X and the London office.
17 Email sent from Jane Doe to John Doe about Project X and the London office.
17 Email sent from Jane Doe to John Doe about Project X and the London office.
18 Connection to www.suspicious-site-4.com on port 8080
20 Connection to www.suspicious-site-1.com on port 8080
21 User logged in from IP 192.168.1.186
21 User logged in from IP 192.168.1.186
23 User logged in from IP 192.168.1.84
24 Email sent from Jane Doe to John Doe about Project X and the London office.
24 Email sent from Jane Doe to John Doe about Project X and the London office.
24 Email sent from Jane Doe to John Doe about Project X and the London office.
24 Email sent from Jane Doe to John Doe about Project X and the London office.
24 Email sent from Jane Doe to John Doe about Project X and the London office.
28 Email sent from Jane Doe to John Doe about Project X and the London office.
28 Email sent from Jane Doe to John Doe about Project X and the London office.
28 Email sent from Jane Doe to John Doe about Project X and the London office.
28 Email sent from Jane Doe to John Doe about Project X and the London office.
28 Email sent from Jane Doe to John Doe about Project X and the London office.
29 Connection to www.suspicious-site-3.com on port 8080
31 Connection to www.suspicious-site-5.com on port 8080
32 Connection to www.suspicious-site-2.com on port 8080
33 Connection to www.suspicious-site-5.com on port 8080
36 User logged in from IP 192.168.1.119
36 User logged in from IP 192.168.1.119
37 Connection to www.suspicious-site-2.com on port 8080
38 Connection to www.suspicious-site-1.com on port 8080
41 Connection to www.suspicious-site-4.com on port 8080
43 Connection to www.suspicious-site-1.com on port 8080
44 Connection to www.suspicious-site-4.com on port 8080
45 Email sent from Jane Doe to John Doe about Project X and the London office.
45 Email sent from Jane Doe to John Doe about Project X and the London office.
45 Email sent from Jane Doe to John Doe about Project X and the London office.
45 Email sent from Jane Doe to John Doe about Project X and the London office.
45 Email sent from Jane Doe to John Doe about Project X and the London office.
46 User logged in from IP 192.168.1.46
46 User logged in from IP 192.168.1.46
47 Connection to www.suspicious-site-1.com on port 8080
48 User logged in from IP 192.168.1.67
49 Email sent from Jane Doe to John Doe about Project X and the London office.

extracted_entities

[illegible]

extracted_entities

82 Email sent from Jane Doe to John Doe about Project X and the London office.
87 Connection to www.suspicious-site-3.com on port 8080
88 Email sent from Jane Doe to John Doe about Project X and the London office.
88 Email sent from Jane Doe to John Doe about Project X and the London office.
88 Email sent from Jane Doe to John Doe about Project X and the London office.
88 Email sent from Jane Doe to John Doe about Project X and the London office.
88 Email sent from Jane Doe to John Doe about Project X and the London office.
89 User logged in from IP 192.168.1.96
90 Connection to www.suspicious-site-1.com on port 8080
91 Connection to www.suspicious-site-1.com on port 8080
94 Email sent from Jane Doe to John Doe about Project X and the London office.
94 Email sent from Jane Doe to John Doe about Project X and the London office.
94 Email sent from Jane Doe to John Doe about Project X and the London office.
94 Email sent from Jane Doe to John Doe about Project X and the London office.
94 Email sent from Jane Doe to John Doe about Project X and the London office.

extracted_entities

entity	label
Email	PERSON
Jane Doe	PERSON
John Doe	PERSON
Project X	ORG
London	GPE
	8080 CARDINAL
	8080 CARDINAL
IP 192.168.1.75	ORG
IP	ORG
192.168.1.122	CARDINAL
	8080 CARDINAL
Email	PERSON
Jane Doe	PERSON
John Doe	PERSON
Project X	ORG
London	GPE
	8080 CARDINAL
	8080 CARDINAL
IP	ORG
192.168.1.186	CARDINAL
IP 192.168.1.84	ORG
Email	PERSON
Jane Doe	PERSON
John Doe	PERSON
Project X	ORG
London	GPE
Email	PERSON
Jane Doe	PERSON
John Doe	PERSON
Project X	ORG
London	GPE
	8080 CARDINAL
	8080 CARDINAL
	8080 CARDINAL
	8080 CARDINAL
IP	ORG
192.168.1.119	CARDINAL
	8080 CARDINAL
	8080 CARDINAL
	8080 CARDINAL
	8080 CARDINAL
	8080 CARDINAL
Email	PERSON
Jane Doe	PERSON
John Doe	PERSON
Project X	ORG
London	GPE
IP	ORG
192.168.1.46	CARDINAL
	8080 CARDINAL
IP 192.168.1.67	ORG
Email	PERSON

extracted_entities

Jane Doe	PERSON
John Doe	PERSON
Project X	ORG
London	GPE
Email	PERSON
Jane Doe	PERSON
John Doe	PERSON
Project X	ORG
London	GPE
8080	CARDINAL
Email	PERSON
Jane Doe	PERSON
John Doe	PERSON
Project X	ORG
London	GPE
Email	PERSON
Jane Doe	PERSON
John Doe	PERSON
Project X	ORG
London	GPE
Email	PERSON
Jane Doe	PERSON
John Doe	PERSON
Project X	ORG
London	GPE
Email	PERSON
Jane Doe	PERSON
John Doe	PERSON
Project X	ORG
London	GPE
IP	ORG
192.168.1.9	CARDINAL
IP 192.168.1.205	ORG
IP 192.168.1.215	ORG
Email	PERSON
Jane Doe	PERSON
John Doe	PERSON
Project X	ORG
London	GPE
Email	PERSON
Jane Doe	PERSON
John Doe	PERSON
Project X	ORG
London	GPE
Email	PERSON
Jane Doe	PERSON
John Doe	PERSON
Project X	ORG
London	GPE
Email	PERSON
Jane Doe	PERSON
John Doe	PERSON
Project X	ORG
London	GPE
Email	PERSON
Jane Doe	PERSON
John Doe	PERSON
Project X	ORG

extracted_entities

London	GPE
8080	CARDINAL
Email	PERSON
Jane Doe	PERSON
John Doe	PERSON
Project X	ORG
London	GPE
192.168.1.96	CARDINAL
8080	CARDINAL
8080	CARDINAL
Email	PERSON
Jane Doe	PERSON
John Doe	PERSON
Project X	ORG
London	GPE