

# 612.5

## Covfefe Down!



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# Covfefe Down!

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**Covfefe Down!**

The plant is currently  
shutdown. Do not touch  
anything until after the  
morning meeting!

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## Background

- During a scheduled maintenance and upgrade of some equipment at the Houston plant, there was a major storm that came in. Many workers were trapped and had to remain in the plant for about a week.
- Food was scarce and alcohol was in abundant supply.
- Floods damaged some equipment.
- Power outages occurred on and off throughout two evenings.
- There has been an ongoing labor dispute at the site as well. In preparation for a potential strike, there has been contractor and staff augmentation cross training.

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## Current Status

Prior to plant start up –

- Operators are reporting inconsistencies across many elements of the environment.
- The vendors and integrators involved in the upgrades and maintenance have left to return to their homes.
- Plant managers have requested individual pod status updates in 30 minutes

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## Prep for the Meeting

- Take the next 30 minutes to troubleshoot issues
- When all local issues are resolved, validate your local operation
- Identify any odd behaviors within your environment and report them in the meeting

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## Status Meeting

- Field personnel Pod updates
- Operator Status
- Next Steps

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## Post Meeting

- Continue to plug away
- Grab available personnel resources to resolve remaining issues
- Return the plant to acceptable pre startup condition
  
- Covefe CEO statement: “We did not come all this way and do all of this work to NOT grind beans!!!!”

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## Quick Start Guide

Important!

- Log in to the ranges.io portal at
- <https://www.ranges.io>
- Select “Sign up”
- Provide your name, email, and create a password
- Verify your email and then create your display name for the scoreboard
- Navigate to your “Events page” and wait for your instructor to give you an Event code for this class run
- When this opening presentation is complete, and everyone is ready your instructor will launch the event and you will have access to the challenges.

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## Points

- Each question has a point value based on difficulty
- Answer correctly and you get points
- Wrong answers will cause you to lose points, and the penalties are unique to each question. In some cases, you may receive a free attempt and in other cases you will not (it will alert you with each challenge).
- How many points you are penalized for incorrect attempts varies by question, so pay attention to the information at the top of each challenge
- Do not brute force answers even if you lose no additional points; it is a violation of the Rules of Engagement

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## Penalties

50pts

### L1 Q1 DNS Record

**BRIEFING**

Government intel-sharing has led to the discovery of potential attacker activity against the network of Spader Technologies. The shared intel was a malicious IP address of 51.11.247.89. This IP address was observed in some of the Spader Technologies network data.

Based on the exported packet capture provided, what DNS name is tied to the IP address 51.11.247.89?

Evidence provided: spader-dns-traffic.zip

**DOWNLOADS**

**Challenge Files**

spader-dns-traffic.zip [Download](#)

SRL-ST-Grid-Diagram.pdf [Download](#)

Enter flag

[Try flag](#)

50pts

### L1 Q4 Proxy download

0 Attempts made

⚠ Your first attempt is free, incorrect attempts 2-6 deduct 10 points from your current score

50pts

### L1 Q4 Proxy download

Flag incorrect!

2 Attempts made

⚠ Your first attempt is free, incorrect attempts 2-6 deduct 10 points from your current score

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## Scoreboard

- Top 10 individuals displayed on screen
- Stats
  - Score
  - Time since last score
  - Game Progress
  - Level Progress

LEADERBOARD							
POSITION	DISPLAY NAME	POINTS	PROGRESS	SUCCESS RATE	COMPLETED	ATTEMPTS	TIME SINCE LAST SCORED
1st	aln	1,110pts	<div><div style="width: 38%;">38%</div></div>	90%	9	10	05:21:32:35
2nd	Shi	210pts	<div><div style="width: 13%;">13%</div></div>	100%	3	3	00:19:16:28
3rd	fra	110pts	<div><div style="width: 8%;">8%</div></div>	67%	2	3	15:19:35:47
4th	You: tct	10pts	<div><div style="width: 4%;">4%</div></div>	100%	1	1	00:00:01:08
5th	T	0pts	<div><div style="width: 0%;">0%</div></div>	0%	0	0	--:--:--:--

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## Hints

- Take good notes!
- We have provided you with all the tools you need to solve the challenges
  - Pay attention to the answer format requirements for some questions!!!
  - Feel free to use your own tools
- Use the internet for research
- **Questions have hints available!**
  - Small penalties for hints vary by Level and impact how many points can be earned for a challenge
  - Tie-breaker at the end

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## Hints - Examples

### HINTS

Stuck? Reveal a hint.

*Revealing a hint will cost you 1 points. You have 3 hints remaining.*

~~50pts~~ 49pts with hint penalty

**L1 Q2 Who is talking**

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- When this opening presentation is complete, and everyone is ready your instructor will launch the event and you will have access to the challenges.

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Join Key

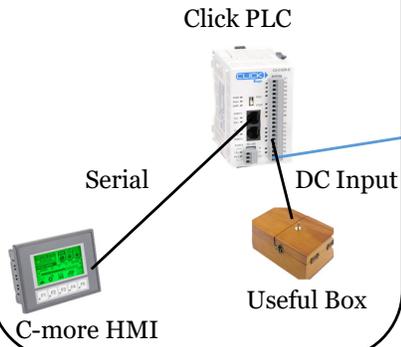
*Will be provided  
by instructor*

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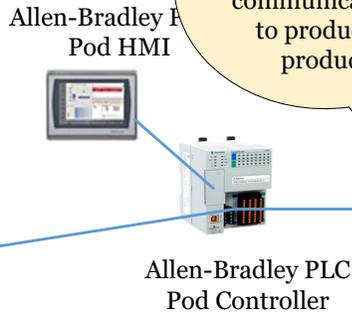
# Covfefe Coffee Factory : Logical Overview (I)

Section 5 Goal:  
Pod to Line  
Controller  
communications  
to produce a  
product

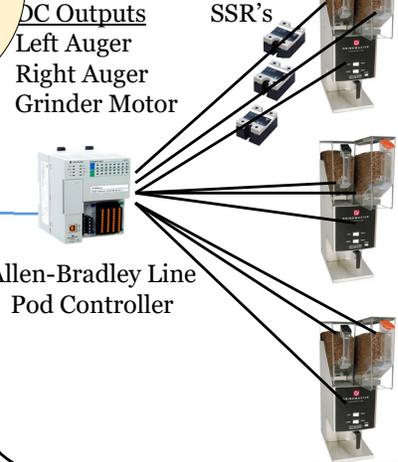
## Student Kit



## Train

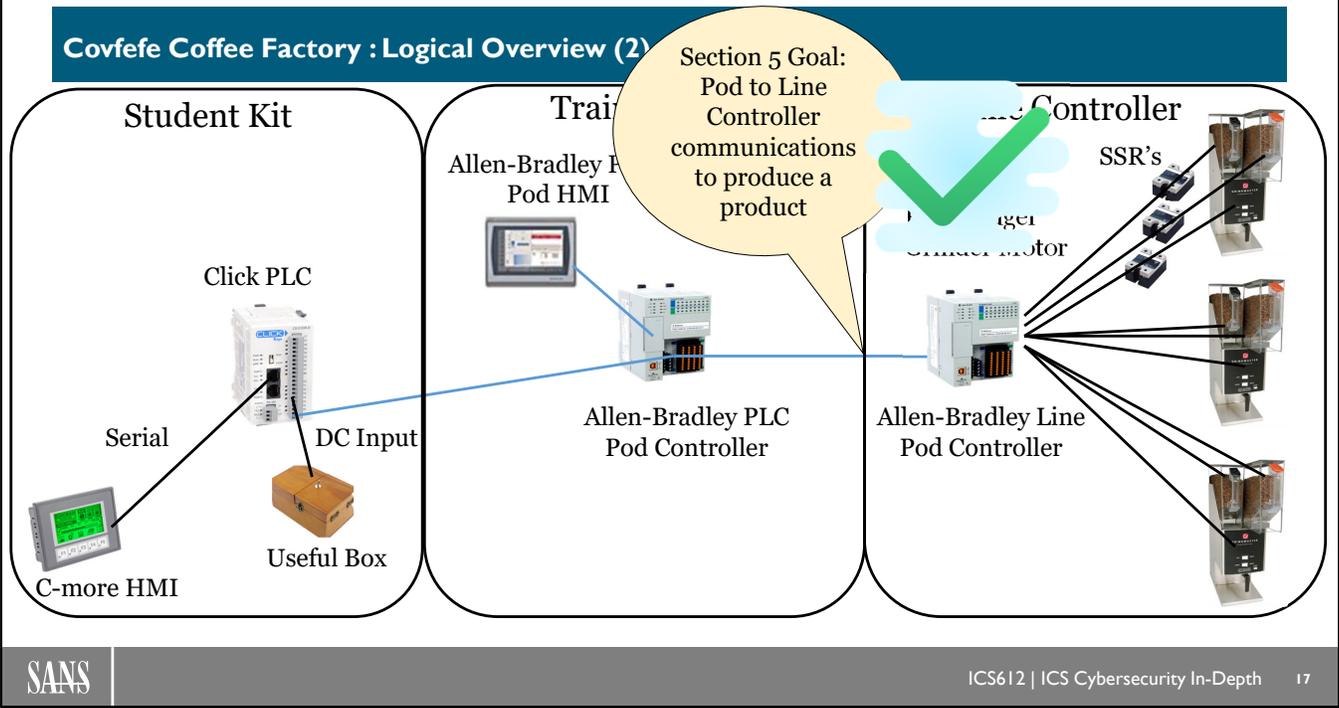


## Line Controller



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## Covfefe Coffee Factory : Logical Overview (2)



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## Section 5: Eval Link

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## Station and Network Information

### RAW Stations

Pod 1  
Pod 2  
Pod 3  
Pod 13

### Mixing Stations

Pod 4  
Pod 5  
Pod 6  
Pod 14

### Grind Stations

Pod 7  
Pod 8  
Pod 9  
Pod 15

### Packing Stations

Pod 10  
Pod 11  
Pod 12

#### Server Information

 172.20.3.(Pod# + Student#) – Operator Workstation  
172.20.1.21 – OPC UA Server  
172.20.1.10 – DNS Server  
172.30.1.(Pod# + Student#) – RDG Server

172.20.1.20 – LICSRV  
172.20.1.21 – DATASRV  
172.20.1.22 – HMISRV  
172.20.1.23 – HISTSRV

172.30.2.(Pod# + Student#) – File Share



#### Classroom Pod Information

172.16.(pod#).2 - AB PLC  
172.16.(pod#).3 - PanelView  
172.16.(pod#).4 - Remote I/O



#### Pod Firewall Information

172.16.(pod#).10 – Student 1 FW  
172.16.(pod#).20 – Student 2 FW



#### Student Kit Information

172.16.(pod#).11 – S1 Windows VM  
172.16.(pod#).12 – S1 Click Plus  
172.16.(pod#).13 – S1 Kali VM  
172.16.(pod#).14 – S1 RELICS VM  
172.16.(pod#).21 – S2 Windows VM  
172.16.(pod#).22 – S2 Click Plus  
172.16.(pod#).23 – S2 Kali VM  
172.16.(pod#).24 – S2 RELICS VM

#### Subnet & Gateway

172.16.(pod#).1 – Gateway  
255.255.255.0 – Subnet Mask

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# Index

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## A

Access Control Entries (ACEs)	3:10
Access Control Lists (ACLs)	3:9-10, 3:12, 3:20-21
Active Directory (AD)	1:13-14, 2:8, 2:68, 4:19
Address Resolution Protocol (ARP)	2:105, 2:107-108, 2:119
Advanced Persistent Threat (APT)	2:89, 3:63
Adversarial Value	2:53, 2:113
Alarm Management	1:113, 1:117, 1:121, 4:26
Alarm System Design	1:121-122
Alarms and Conditions (AC)	2:21, 2:98
ANSI/ISA-88	1:10
ANSI/ISA-95	1:10-11
ANSI/ISA-99	1:10-11
Application-Specific Integrated Circuits (ASIC)	1:69
Area/Line Controller	2:16
ARP cache poisoning	2:108
ARP poison	2:108, 2:112
ARP spoofing	2:107-108, 2:119
Authentication, Authorization and Accounting (AAA)	2:78, 3:36, 3:45
Automatic Device Replacement (ADR)	4:68
AutoSol	2:20

## B

BeyondTrust	3:48
Binary	1:100, 1:103-108, 1:110, 1:135, 1:137, 2:101

## C

Cache Poisoning	2:108-109, 3:70
Certificate Authorities (CA)	3:51
CIMPLICITY	2:20
Citrix Desktop	3:48
Command and Control (C2)	2:68, 2:105, 3:70

Commercial Off-The-Shelf (COTS)	2:16-17, 2:26, 3:22, 3:30, 3:33, 3:35
Common Industrial Protocol (CIP)	1:2, 1:21-24, 1:97, 1:138, 1:142-144, 1:158, 1:161, 2:2, 2:9, 3:2, 3:51, 4:2
Communications Mapping	2:75
community string	3:69
Computer Integrated Manufacturing (CIM)	1:9
Conduits	2:48, 2:57-58, 2:66-67, 2:75, 4:12
Critical Assets	2:48-49, 2:55, 2:59, 4:46

## D

Data Access (DA)	2:98
Data Concentrator	2:16, 2:21
Data Loss Prevention (DLP)	4:66
Data Relevance	2:76
Data Server	2:16-17, 2:19, 2:30, 2:34, 2:77, 3:20-21
Default Route	2:70, 2:72
DeltaV	2:12, 2:20-21
Demilitarized Zone (DMZ)	1:1, 1:12-13, 2:1, 2:7-8, 2:120, 3:1, 3:11-22, 3:24, 3:29, 3:33, 3:36, 3:42, 3:46, 3:49, 3:83, 4:1, 4:8, 4:13, 4:23, 4:56
Device-Level Authentication	3:50
Direct Loss	2:49, 2:51, 2:55, 2:59
Direct Relevance	2:76
Discrete	1:13, 1:28-29, 2:8, 2:11-13, 2:23-24, 2:29, 2:91
Distributed Component Object Model (DCOM)	2:96
Distributed Control System (DCS)	1:13, 1:42, 2:8, 2:13, 2:15, 2:19-22, 2:24, 2:29, 4:19, 4:44
DNS cache poisoning	2:109, 3:70
DNS spoofing	2:107, 2:109, 3:70
Domain Name System (DNS)	1:13, 1:168, 2:8, 2:24, 2:68, 2:72, 2:107, 2:109, 2:122, 3:70, 3:85, 4:78, 5:21
Dynamic Host Configuration Protocol (DHCP)	1:13, 2:8
Dynamic Naming Services (DNS)	1:13, 1:168, 2:8, 2:24, 2:68, 2:72, 2:107, 2:109, 2:122, 3:70, 3:85, 4:78, 5:21

## E

Electronic Operator Interface (EOI)	1:111-112, 1:117, 1:123-124, 2:10
Engineered Trust Boundary	2:69
Enterprise Resource and Planning (ERP)	2:11, 2:13-14
Ettercap	2:106, 2:112, 2:115
evil twin	2:107, 2:110

## F

FactoryTalk	1:25, 1:123, 2:20, 2:26
File Transfer Protocol (FTP)	3:67
Firewalls	1:1, 1:12, 2:1, 2:7, 2:58, 2:66, 2:96, 2:120, 3:1, 3:8-10, 3:12, 3:14-15, 3:20-22, 3:24-25, 3:33, 3:36, 3:38, 3:49, 3:53, 3:83, 4:1, 4:8, 4:19, 4:23, 4:38, 4:41-42, 4:45, 4:49, 4:66, 4:74
Forced Proxy	2:111
Function Block Diagram (FBD)	1:41-42, 1:69

## H

Head End Process (HEP)	2:4-6, 2:15-16, 2:19-20, 2:24, 2:26-27, 2:30, 2:34, 2:40, 2:46-47, 2:73, 2:86, 2:121
Historian	1:12, 1:14, 1:55, 1:113, 2:8, 2:16-17, 2:19, 2:30, 3:4-5, 3:7, 3:16, 3:19, 3:27-28, 3:30-34, 3:39, 3:41-43, 3:46, 3:57, 3:65, 3:83, 4:46
Historian Server	2:16-17, 2:19, 2:30, 3:42
Historical Access (HA)	2:98
Human Asset	2:52
Human Machine Interface (HMI)	1:4-5, 1:12-16, 1:19, 1:21-25, 1:28, 1:36, 1:38-39, 1:55-61, 1:65-66, 1:97-98, 1:103, 1:111-118, 1:120, 1:122-125, 1:127, 1:130, 1:132-139, 1:141, 1:151, 1:157, 1:161, 1:165, 2:7-10, 2:17, 2:19, 2:26, 2:30, 2:37, 2:44, 2:77, 2:85, 2:95, 2:114-117, 2:120, 3:6-7, 3:15-18, 3:20-22, 3:26, 3:31-33, 3:35-37, 3:39-40, 3:46, 3:57, 4:6, 4:13, 4:34, 4:46, 4:50, 4:56-57, 4:59, 4:68, 5:16-17

Hybrid	2:11-12, 2:24-25, 2:29, 2:54, 2:56
HyperText Transfer Protocol (HTTP)	3:12, 3:67, 3:74
HyperText Transfer Protocol Secure (HTTPS)	2:101, 3:12, 3:67

## I

ICS Data Point	2:26
Identity Service Engine (ISE)	3:36
IEC 61131-3	1:41, 1:148
Ignition	2:20
Indirect Loss	2:49, 2:51, 2:55, 2:59
Indirect Relevance	2:76
Industrial Demilitarized Zone (IDMZ)	1:1, 1:12, 2:1, 2:7, 2:37-38, 2:66, 2:120, 3:1, 3:15-19, 3:34, 3:36, 3:46, 3:49, 3:83, 4:1, 4:12, 4:56
Information System (IS)	2:12-13
Inline Proxy	2:111
Instruction list (IL)	1:41, 1:72-73
Integration Process	1:4-5, 1:35, 1:39, 1:98, 1:139, 3:28
Intercepting Proxy	2:111
Internet Control Message Protocol (ICMP)	3:68
Internet Protocol (IP)	1:21-24, 1:97, 1:138, 1:144-146, 1:154, 1:161, 2:9, 2:24, 2:68, 2:104, 2:108-109, 2:114-116, 3:68, 3:70, 4:35

## J

Jump Host	3:16, 3:47-49, 3:55
-----------	---------------------

## K

Kali Linux	2:112, 3:75
Kepware	1:151, 2:20, 2:26
Keyboard, Video, Mouse (KVM)	4:13

## L

Laboratory Information Management Systems (LIMS)	2:17
Ladder Diagram (LD)	1:41-42, 1:69
Logging	2:63, 3:47, 4:4-5, 4:17-19, 4:22, 4:24-25, 4:28-29, 4:42, 4:51, 4:58, 4:74
Logical Asset	2:52

## M

Man-in-the-Middle attack (MITM)	2:4-5, 2:47, 2:73, 2:86, 2:106-107, 2:113, 2:115
Management of Change (MoC)	4:40
Manufacturing Execution System (MES)	1:12, 2:7, 2:11-15, 2:20-21
Matrikon	2:20
Mean Time Between Failure (MTBF)	2:10, 2:60
Metasploit	3:74-75
Microsoft RDP Gateway	3:48
Mimikatz	3:76, 3:78
Mobile Device Management (MDM)	3:36

## N

National Security Agency (NSA)	3:73
Network Security Monitoring (NSM)	2:77, 4:9, 4:12, 4:16, 4:36
Network Time Protocol (NTP)	1:13, 2:8, 2:72, 4:19, 4:28, 4:53-59, 4:61-62, 4:74
NIST CyberSecurity Framework (NIST CSF)	2:60, 3:58
Nmap	1:162, 2:77, 3:75, 4:39

## O

Oasys	2:20
Object Linking and Embedding (OLE)	2:95
OLE for Process Control (OPC)	1:168, 2:4-5, 2:17, 2:47, 2:73, 2:86, 2:95-103, 2:122, 3:85, 4:19, 4:78, 5:21
Opcenter	2:20
Operational Technology (OT)	1:10-12, 1:42, 1:164, 2:15, 2:25, 2:27-28, 2:56, 2:61, 2:63, 2:89, 2:94, 2:105, 3:36,

	4:24-25, 4:49
Organizational Value	2:53
OSI Pi	2:20, 2:26
Overall Equipment Effectiveness (OEE)	2:17

## P

PanelView (PV)	1:15-16, 1:21-24, 1:97, 1:111, 1:138, 1:141, 1:151, 1:153, 1:161, 1:168, 2:9, 2:85, 2:114-117, 2:122, 3:6-7, 3:26, 3:39-40, 3:57, 3:85, 4:6, 4:50, 4:78, 5:16-17, 5:21
Physical Asset	2:52
Pivoting	3:74
Port Forwarding	3:74
Precision Time Protocol (PTP)	4:57-59
Process and Instrumentation Diagram (P&ID)	1:36
Process Control Design	1:35
Process Controller	2:16, 2:21, 2:23
Process Flow Diagram (PFD)	1:36, 1:38
Programmable Automation Controller (PAC)	1:13, 1:55-61, 2:8, 2:21-22, 2:29, 2:91
Proportional, Integral, and Derivative (PID)	1:148
Protocol-Level Attack	2:94
Proxy	2:58, 2:105, 2:107, 2:111, 2:119, 3:11-14, 3:16-18, 3:74
Public Key Infrastructure (PKI)	3:51, 3:56
Purdue Model	1:9-12, 1:15-16, 1:166, 2:7, 2:15, 4:23

## R

Redirection	3:74
Relay Logic	1:42, 1:47-53
Relevance	1:10, 2:21, 2:76
Remote Desktop Gateway (RDG)	1:168, 2:122, 3:46, 3:49, 3:55-56, 3:85, 4:78, 5:21
Remote Desktop Resource Authorization Policies (RD RAPs)	3:49
Remote Terminal Unit (RTU)	2:21
Rogue Access Point	2:107, 2:110

RSLinx 1:142-146, 1:153, 2:20, 2:26

## S

Samba 3:71

Secure File Transfer Protocol (SFTP) 3:67

Secure SHell (SSH) 3:47, 3:67, 3:74, 4:13

Security Exceptions 2:59, 2:64

Security Information and Event Management (SIEM) 4:13, 4:21, 4:25

Security Objectives 2:59-60, 2:63-64, 3:35

Security Operations Center (SOC) 4:13, 4:25

Security Zones 2:48, 2:57, 2:59, 3:15, 3:20-22, 3:25, 3:46, 4:12

Sequential Function Chart (SFC) 1:41, 1:43, 1:69

Server Message Block (SMB) 3:4-5, 3:27, 3:43, 3:65, 3:71-73, 3:77-78, 3:84

Shell 3:58-64

Simple Network Management Protocol (SNMP) 3:69

SOCKS Proxy 3:74

Spoofing 2:101, 2:107-109, 2:119, 3:70

Standard Operating Procedure (SOP) 4:38-39, 4:44-45

State Diagrams 1:85-87, 1:89

State Transition Tables 1:85-87, 1:89-93

Structured Text (ST) 1:41, 1:43-46, 1:69

Supervisory Control And Data Acquisition (SCADA) 1:2, 2:2, 2:10, 2:13, 2:15, 2:20-21, 2:42, 3:2, 3:37, 4:2, 4:19

## T

Telnet 2:77, 3:67, 3:73, 4:35

Thermocouple 1:15-16, 1:21-24, 1:28-29, 1:97, 1:101-103, 1:110, 1:138, 1:161, 2:9, 2:29, 2:85, 3:6-7, 3:26, 3:57, 4:6, 4:50

Timer On (TON) 1:63, 1:131

Transparent Proxy 2:111, 2:119

Trust Boundaries 2:13, 2:48, 2:58-59, 2:65-66, 2:72, 4:12

Trust Boundary 2:13, 2:69, 3:19, 3:51

Tunneling 2:96, 3:70, 3:74

## U

Unified Architecture (UA)	1:168, 2:97-102, 2:122, 3:85, 4:78, 5:21
USB-to-Serial	1:133-135, 1:137
User-Level Authentication	3:50

## V

Virtual Private Network (VPN)	1:1, 2:1, 2:37, 3:1, 3:47, 3:52-53, 4:1, 4:41
Visualization Server	2:16-17
VMware Horizon	3:48

## W

Windows Event Collector (WEC)	4:21
Windows Event Forwarding (WEF)	4:21
Windows Internet Naming Service (WINS)	1:13, 2:8
Windows Management Instrumentation (WMI)	4:21