



SECURING YOUR CYBERSPACE



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Inventor, BDSLCCI Cybersecurity Framework
Doctorate from SSBM Geneva, Switzerland



MEET LINDA

- She just started her fashion e-commerce start-up six months ago and wants to ensure the security of her website.
- Her start-up is at an early stage, so she does not have enough funds to implement existing cyber security standards.

WHAT WILL SHE DO NOW?



MEET RAJ

- Raj runs a pharmaceutical manufacturing business and has faced ransomware attacks on a couple of computers.
- He wants to implement a good cybersecurity solution to protect against such attacks but lacks the right team and resources for it.

WHAT WILL HE DO NOW?

Problems Faced by SME or SMB Companies...



According to the NCSC, there is a **"ONE IN TWO"** chance of a cyber breach in the SME sector



43% OF Small Businesses Are targeted by cybercriminals



60% OF Small Businesses close their business within the next 6 months after undergoing successful cyber attack

SMBs REPRESENT

90% of Businesses

Generate **60–70%** of Employment

Contribute around **55%** of the GDP of developed economies.

Limitations to Implement...



LACK OF FUNDS

Less budget available to implement Large Number of Cybersecurity Controls proposed by existing standards



ROI

- Return on Investment is not prominently visible
- Business Value of Control Implementation not evident
- Available cybersecurity standards in market are generic for all business domains



LAGGING KNOWLEDGE

Lack of Knowledge to Implement Controls asked by Existing Cybersecurity Standards



Business Domain Specific Least Cybersecurity Controls Implementation (BDSLCCI) FRAMEWORK

Based on an internationally published research study.

One-stop solution with a listed end-to-end process to implement stepwise controls and the facility to undergo an online audit and get BDSLCCI certified.

www.BDSLCCI.com





WHY BDSLCCI

ONE STOP SHOP FOR ALL CYBERSECURITY NEEDS OF SME AND SMB COMPANIES



Business goals in alignment with cybersecurity controls

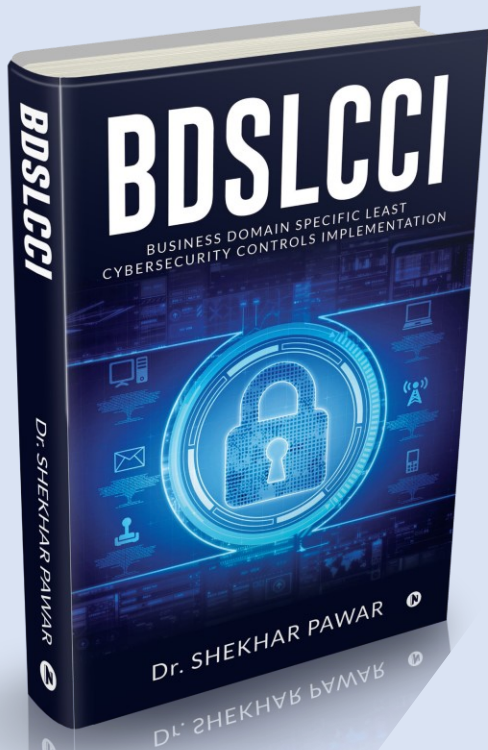


Ease of Use



Easy to Implement





BDSLCCI Published

This cybersecurity framework has been published as a unique innovation in various research publications, books, and presentations at international conferences.



Research Paper to Elsevier's JJIMEI International Journal

<https://www.sciencedirect.com/science/article/pii/S2667096822000234>



BDSLCCI research has been *published as a chapter of 33 pages* in a book by Emerald Publishing, UK. Name of book: "**Smart Analytics, Artificial Intelligence and Sustainable Performance Management in a Global Digitalised Economy**". Title of the Chapter: "**Importance of Least Cybersecurity Controls for Small and Medium Enterprises (SMEs) for Better Global Digitalised Economy**".

<https://www.emerald.com/insight/content/doi/10.1108/S1569-37592023000110B002/full/html>



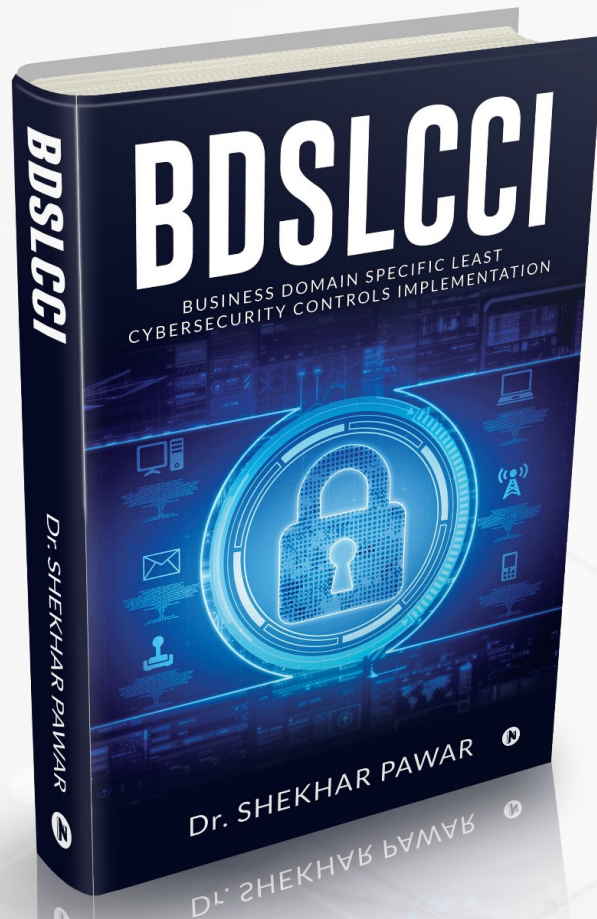
Book titled "**BDSLCCI**" is available in *colour paperback print, kindle version and e-book format*. (Revised with BDSLCCI 2.0 changes in March 2024)

<https://www.amazon.com/BDSLCCI-Business-Specific-Cybersecurity-Implementation-ebook/dp/B0CG22JHLM>

BDSLCCI published in various news papers:

<https://bdsllcci.com/BDSLCCINews>

BDSLCCI Book Published



 **Read More:**

<https://www.ssbm.ch/blog/ssbm-geneva-dba-alumni-tops-amazon-kindles-security-encryption-category-with-new-book/>

Award for Excellence in Innovation in Cybersecurity from AACCI



SecureClaw was honored as an Excellence in Innovation in Cybersecurity for the BDSLCCI Framework for MSME
Cost-Effective, Less Time-Consuming, and Business-Goal-Centered Cybersecurity Framework
SignUp at www.BDSLCCI.com/SignUp



Dr. Shekhar Ashok Pawar received the Award for Excellence in Innovation in Cybersecurity from Asian-African Chamber of Commerce & Industry (AACCI) as an inventor of the Business Domain Specific Least Cybersecurity Controls Implementation (BDSLCCI) Framework for MSMEs.

 **Read More:**

<https://www.headlinesoftoday.com/topic/press-releases/dr-shekhar-ashok-pawar-received-the-excellence-in-innovation-in-cybersecurity-award-from-aacci-for-secureclaws-bdslcci.html>

BDSLCCI in 100's of Newspapers Worldwide



The BDSLCCI Cybersecurity Framework **prevents Supply Chain Attacks** securing Small and Medium Businesses (SMBs / SMEs) | Kalkine Media

BDSLCCI: **Securing Small and Medium Enterprises (SMEs) Against Cyber Threats** | The Financial Express

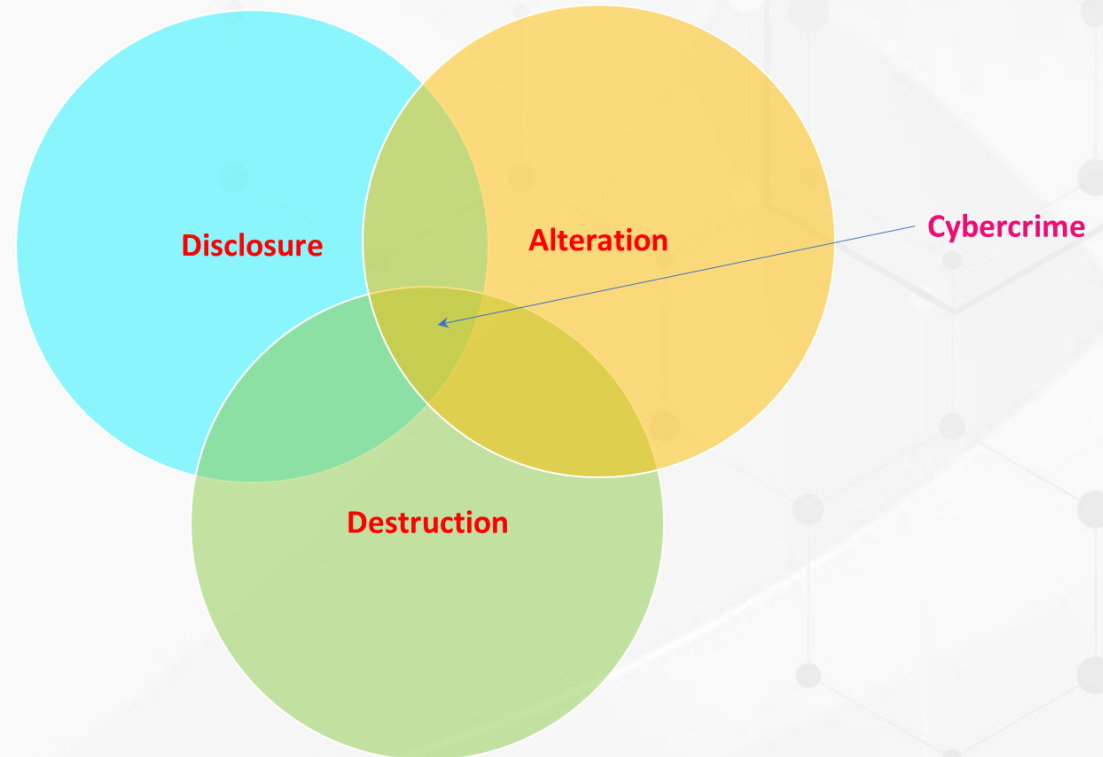
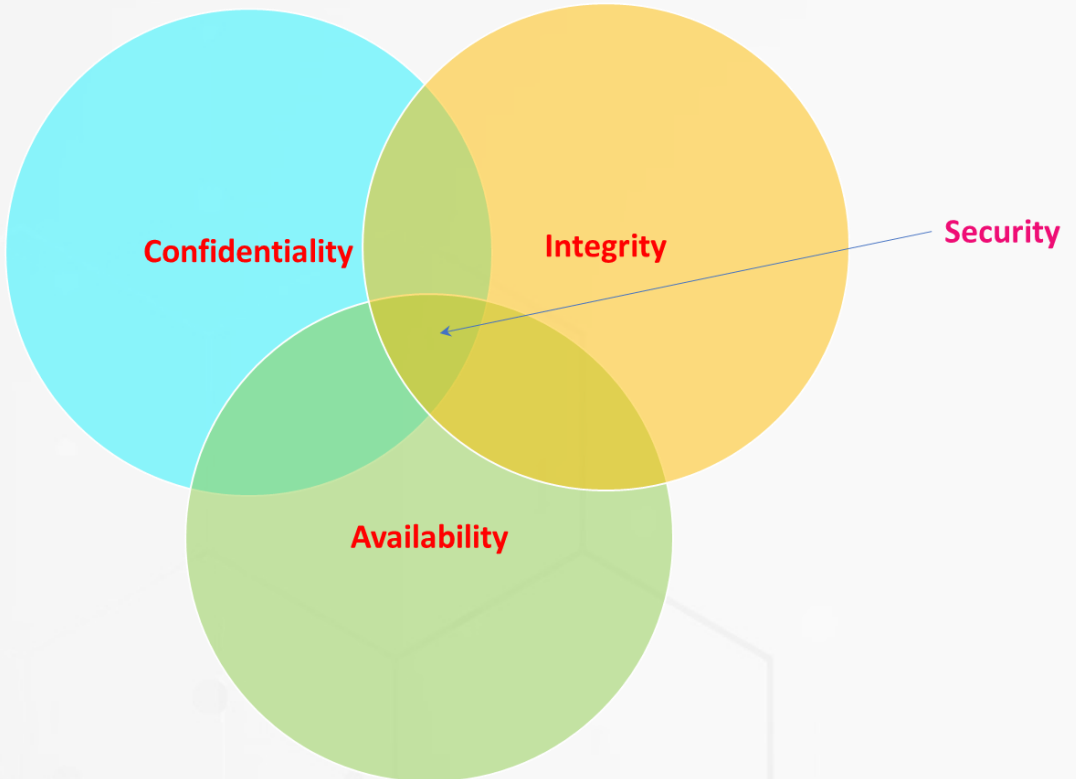
SecureClaw's BDSLCCI: A Cybersecurity Framework for Small and Medium-scale Businesses (SME/SMB) (digitaljournal.com)

SecureClaw's BDSLCCI: A Cybersecurity Framework for Small and Medium-scale Businesses (SME/SMB), Business News - AsiaOne

BDSLCCI becoming the first Business Domain Specific Cybersecurity Framework to protect Small and Medium Enterprises (SMEs) from various Cyber Threats – ThePrint – ANIPressReleases

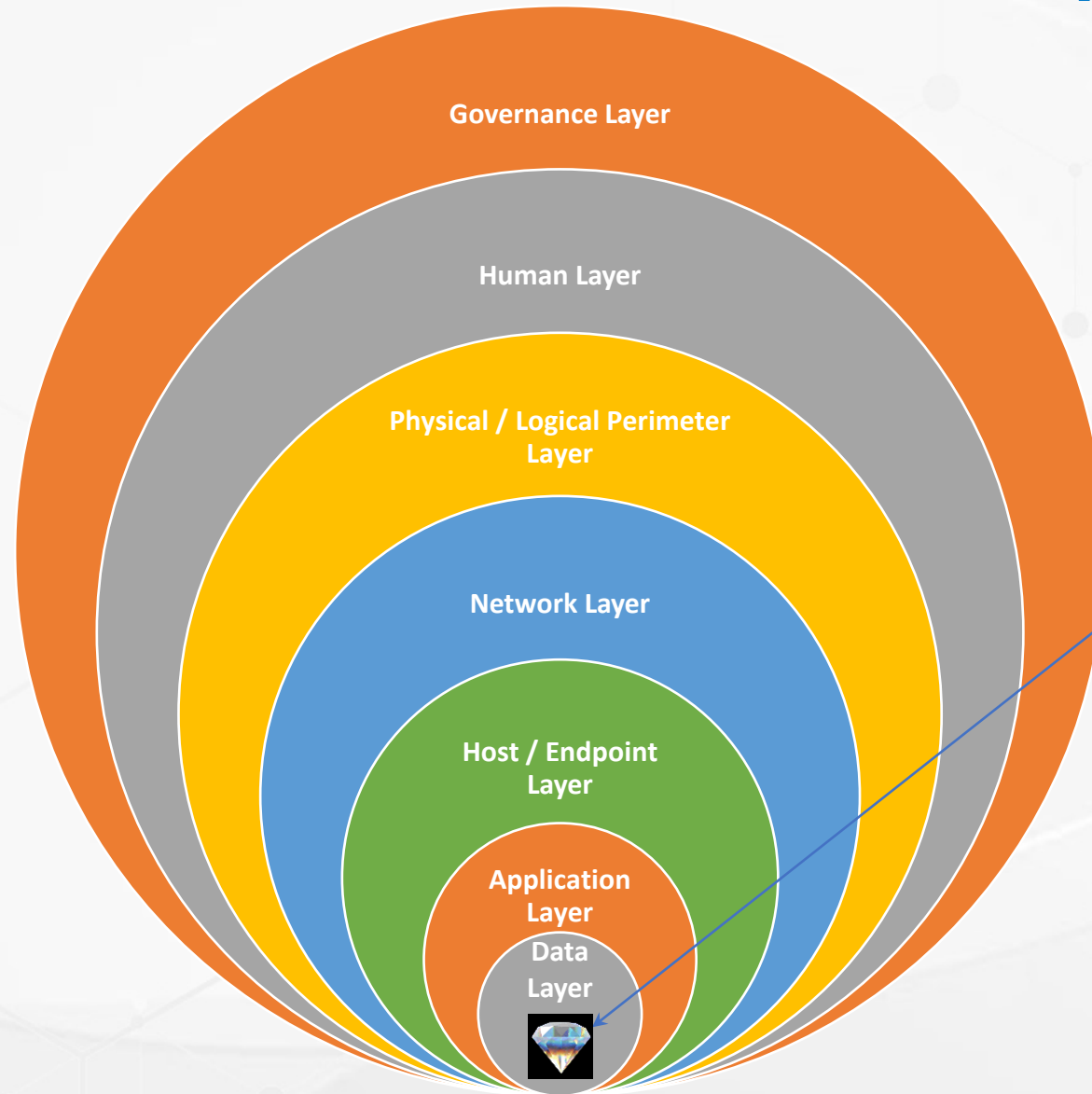
Revolutionizing Cybersecurity for Small and Medium Businesses: **BDSLCCI Framework Offers Tailored Protection Against Ransomware Extortion** (business-standard.com)

BDSLCCI Considers Mission Critical Asset's CIA



Confidentiality, Integrity, and Availability (CIA triad)

BDSLCCI Considers Defense in Depth (DiD)



Mission Critical Asset (MCA)

BDSLCCI 2.0 Considers Defense in Depth (DiD)



Priority Sequence	Layer Name	BDSLCCI Level Contribution	List of Controls
1	Host/Endpoint Security Layer	BDSLCCI Level 1	1.1 - Host/Endpoint - Less Permission to Use 1.2 - Host/Endpoint - Endpoint Protection - Anti-Virus 1.3 - Host/Endpoint - Licensed Operating System (OS) 1.4 - Host/Endpoint - Block File Transfers 1.5 - Data - Encryption 1.6 - Data - Access control 1.7 - Data - Backup 1.8 - Data - Data Loss Prevention 1.9 - Data - Secure Deletion 1.10 - Human - Cybersecurity Awareness Training 1.11 - Human - Separation of Duties 1.12 - Human - Service Level Agreement (SLA) 1.13 - Human - Employee Background Check 1.14 - Human - Review Access Rights 1.15 - Human - Cyber Threat Alert Notifications 1.16 - Human - Cybersecurity Banners / Posters 1.17 - Human - Non Disclosure Agreement (NDA)
2	Data Security Layer		
3	Human Security Layer		
4	Network Security Layer	BDSLCCI Level 2	2.1 - Network - Network Firewall 2.2 - Network - Network Access Control 2.3 - Network - Remote Access VPN 2.4 - Network - Intrusion Detection & Prevention Systems (IDPS) 2.5 - Application - OWASP Coding Practices 2.6 - Application - Application Hardening
5	Application Security Layer		
6	Physical Perimeter Security Layer	BDSLCCI Level 3	3.1 - Physical Perimeter - Locked and Dead-Bolted Steel Doors 3.2 - Physical Perimeter - Closed-Circuit Surveillance Cameras (CCTV) 3.3 - Physical Perimeter - Picture IDs 3.4 - Physical Perimeter - Security Guards / Proper Lighting / Biometrics / Environmental Control 3.5 - Governance - Incident Response Process 3.6 - Governance - Business Continuity Plan (BCP) 3.7 - Governance - Periodic Audit
7	Governance Security Layer		

BDSLCCI DiD Mapping with Ransomware Threats



#	BDSLCCI DiD Layer Name	Social Engineering	RDP	Unpatched Software	Password Guessing	Credential Theft	Remote Server Attack	Third Party	USB
1	Host/Endpoint Security Layer			●		●	●		●
2	Physical Perimeter Security Layer					●		●	
3	Human Security Layer	●	●	●	●	●	●	●	●
4	Network Security Layer		●	●			●	●	
5	Application Security Layer			●	●	●		●	
6	Data Security Layer					●		●	
7	Governance Security Layer	●	●	●	●	●	●	●	●

 Maximum security provided by controls in particular layer
  Partial security provided by controls in particular layer

WHAT IS BDSLCCI CYBERSECURITY CERTIFICATION FOR SME/SMB?



PURPOSE

The purpose of the BDSLCCI cybersecurity framework is to provide tailored and stepwise cybersecurity control implementation specific to the needs of the business domain of SME or SMB companies, making it less costly, easier to adopt, and more aligned with the business goals of top management.



ACTIVITIES INVOLVED

- List of **tailored cybersecurity** controls
- Mapping of the cybersecurity controls for the specific prerequisite
- Level 1 to Level 3 stepwise controls implementation journey
- Downloading ready to use policies, posters etc.
- Online cybersecurity evidence sharing



PREREQUISITE

Business Domain and Mission Critical Asset Identification



OUTCOME

- Security Assessment Results:
 - BDSLCCI Achieved Level **Certificate**
 - **Transcript** of assessment
 - Assessment **Web Analytics Report** showing Coverage and Effectiveness of controls implemented



RECOMMENDED FREQUENCY

- **Yearly**
- BDSLCCI version changes as a result of analysis of latest cyber attack trends on yearly basis



BELOW ARE THE BENEFITS AFTER REGISTERING FOR BDSLCCI CERTIFICATION JOURNEY...



FREE SecureClaw Crawler

- An Endpoint Vulnerability Scanner which helps organization to identify gaps in the Endpoint Security.

FREE BDSLCCI Policy Documents

FREE Cyber Threat Email Notification Service

FREE Cybersecurity Awareness Training for Employees

FREE Cybersecurity Posters

BDSLCCI Certificate, Transcript & Web Analytics Report as Deliverable after Audit phase



SAMPLE BDSLCCI CERTIFICATE



This is to certify that

Cybersecurity Implementation by

GrassDew Solutions

has been assessed in accordance with

the requirements of

BDSLCCI Version 2.0 (Level -1)

SAMPLE ILLUSTRATION

Issue Date: 4-Jan-2024

Valid Till: 3-Jan-2025

78E55AD9-EDAA-EE11-A2FB-9293173C7E1B

Director

A handwritten signature in black ink, appearing to read "Shekhar Pawar".

Shekhar Pawar

SAMPLE BDSLCCI TRANSCRIPT



TRANSCRIPT OF BDSLCCI AUDIT RECORDS



Company Name	GrassDew Solutions		
Total Employees	12		
Company Address	Navapada,Subhah Rd India Maharashtra Dombivli 421202		
Certificate ID	78E55AD9-EDAA-EE11-A2FB-9293173C7E1B		
Certificate Date	4-Jan-2024		
List of Controls	Assessed	Total	BDSLCCI Level
DiD Controls	15	58	1
Design Drawings [1]	4	8	1

This transcript is for [1] Manufacturing domain.

The result is based on the evidence obtained by the auditing team while conducting the BDSLCCI audit exercise.

ASSESSED CONTROLS : 19

RECOMMENDED CONTROLS : 66

ACHIEVED BDSLCCI Version 2.0 LEVEL 1

Director

Shekhar Pawar

SAMPLE ILLUSTRATION

SAMPLE BDSLCCI WEB ANALYTICAL REPORT



https://bdsclci.com/Assessment/F02E442F-BAD4-ED11-A2EB-9293173C7E1B

GrassDew Solutions BDSLCCI Assessment Report

Confidential

This report is based on an analysis of various evidences of cybersecurity controls gathered and assessed during audit cycles.

Framework Version: BDSLCCI 1.0
Report Date: 7-Apr-2023
Valid Till: 6-Apr-2024
Achieved: BDSLCCI LEVEL 3
Certificate Number: f02e442f-bad4-ed11-a2eb-9293173c7e1b
Prepared By: SecureClaw Inc.



Assessment Sections

- [Section 1. Overview](#)
- [Section 2. Company Background](#)
- [Section 3. Objective](#)
- [Section 4. Assessment Methodology](#)
- [Section 5. Assessment Result Summary](#)
- [Section 6. Defense in Depth \(DiD\) Assessment Result](#)
- [Section 7. Mission Critical Asset \(MCA\) Assessment Result](#)
- [Section 8. Assessor Statement](#)

Section 7. Mission Critical Asset (MCA) Assessment Result

Mission Critical Asset (MCA) controls implementation and helps to protect key business areas of the organization.

It covers the confidentiality, integrity, and availability requirements for each MCA.

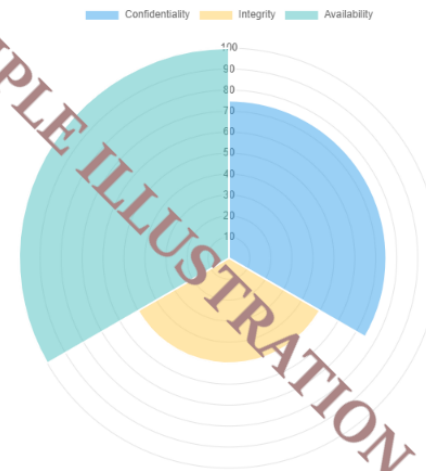


Figure 7.1: Design Drawings - Coverage

Confidentiality Integrity Availability

Section 6. Defense in Depth (DiD) Assessment Result

Defense in Depth (DiD) controls implementation and helps to protect various layers of the organization.

It covers the host/endpoint layer, physical perimeter layer, human layer, application layer, network layer, data layer, and governance.

- Implemented % Governance Layer
- % yet to be implemented for Governance Layer
- Implemented % Data Layer
- % yet to be implemented for Data Layer
- Implemented % Host/Endpoint Layer
- % yet to be implemented for Host/Endpoint Layer
- Implemented % Human Layer
- % yet to be implemented for Human Layer
- Implemented % Application Layer
- % yet to be implemented for Application Layer
- Implemented % Physical Perimeter Layer
- % yet to be implemented for Physical Perimeter Layer
- Implemented % Network Layer
- % yet to be implemented for Network Layer
- Implemented % Host/Endpoint Layer
- % yet to be implemented for Host/Endpoint Layer

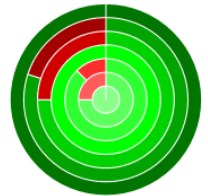


Figure 6.1: DiD Layers - Coverage

As shown in the above graph, it displays each layer within the organization and related cybersecurity control coverage.

As an important outcome of the assessment, the below graphs show the effectiveness of the controls implemented in each layer within the organization.

If the score is equal to or more than 70%, it indicates better effectiveness.



Figure 6.2: Host/Endpoint Layer - Effectiveness



Figure 6.3: Physical Perimeter Layer - Effectiveness

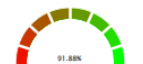


Figure 6.4: Human Layer - Effectiveness



Figure 6.5: Application Layer - Effectiveness

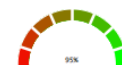


Figure 6.6: Network Layer - Effectiveness



Figure 6.7: Data Layer - Effectiveness



Our Vision



To help small and medium companies protect their businesses against cyber threats through the tailored implementation of controls for business domain needs with low investment and the safety of people as a priority.



Our Mission

To create a better cybersecurity posture for small and medium companies (SME/SMB).

SecureClaw's BDSLCCI and Key Cybersecurity Services



BDSLCCI FRAMEWORK

Cybersecurity certification designed for small and medium sized companies (SMB/SME)

01

03

CODE SECURITY REVIEW

Static Application Security Testing (SAST)

02

ASSESSMENTS & AUDITS

Cybersecurity technical/process audits, consulting services

04

VIRTUAL CISO

Cybersecurity role outsourcing services





DR. SHEKHAR PAWAR

BDSLCCI is the first flexible cybersecurity framework that provides tailored cybersecurity as per business need. It is the outcome of international research studies.



Customer Testimonials



The video player displays a testimonial from Hrishikesh Dalavi, Owner of Rishi Consultancy. The video frame is split into two sections. On the left, a man with glasses and a white polo shirt sits on a brown sofa. Behind him is a wall with red floral wallpaper and a white electrical switchboard. The "rishi consultancy" logo is visible in the top right corner of the video frame. On the right, a purple background features the BDSLCCI logo (a red shield with wings) and the text "CLIENT REVIEW" in yellow. Below this, white text reads "RISHI CONSULTANCY SHARING THEIR FEEDBACK OF BDSLCCI LEVEL 3 CERTIFICATION JOURNEY!". At the bottom of the video frame, a blue banner with yellow text identifies the speaker as "Hrishikesh Dalavi, Owner, Rishi Consultancy".

Customer Testimonials



Mr. Naresh Purswani

Founder & Director

TRITORC EQUIPMENTS PRIVATE LIMITED



“Since 1991, Tritorc has had a progressive history of 25 years in the field of bolting tools. As the largely manufacturing-based firm that we are, we constantly gear towards engineering the finest products available. We came across the BDSLCCI cybersecurity framework, which has helped not only to protect the data and information of our organization, but the cybersecurity controls they have designed are even protecting our product design and CNC machines.



Controls provided through the BDSLCCI framework are easy to understand and implement. They have a very good step-by-step journey designed through their web tool; it helped a lot. The team that designed this appears to be very knowledgeable. The controls BDSLCCI asked to implement make more sense, as they are talking about protecting the manufacturing domain when it comes to Tritorc. Additionally, BDSLCCI provided free sample policies, an email threat notification service, and security awareness posters. We feel more secure now that we are BDSLCCI-certified.”

Summary



We are setting out with the mission to create a world-class, easy-to-use cybersecurity framework that helps **SME or SMB COMPANIES** worldwide and protects businesses.





THANK YOU



DR. SHEKHAR PAWAR
customercare@secureclaw.com

www.BDSLCCI.com | www.SecureClaw.com