

**KhuselekaCTH Framework**  
**A**  
**COMMUNITY SOC Framework**  
**FOR**  
**SMALL, MEDIUM AND MICRO ENTERPRISES (SMMEs)**  
**IN DEVELOPING COUNTRIES**  
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**ACRONYMS**

CERT	Computer Emergency Response Team
IMF	International Monetary Fund
SABRIC	South African Banking Risk Information Centre
SMME	Small Micro and Medium Enterprises
SOC	Security Operations Centre

**THE CONCEPT OF A COMMUNITY SOC (COMSOC)**

**INTRODUCTION**

The concept of sharing resources has been used in the banking industry. SABRIC comprises banking industry members. It facilitates collaboration and shares among authorities, sector-based CERTs and public-private partnerships; threat intelligence (IMF, 2022).

**PROBLEM STATEMENT**

There is lack of down-scaled frameworks that can assist SMMEs in effective execution of advanced cybersecurity solutions such as SOC services – specifically in developing countries.

**AIM**

To develop a community Security Operations Centre (COMSOC) framework that will bring together homogenous, sector-based SMMEs to share the SOC services that have been adapted to SMMEs’s specific needs, allowing SMMEs who could not otherwise afford to utilise full-fledged SOC services.

**OBJECTIVES OF THE STUDY**

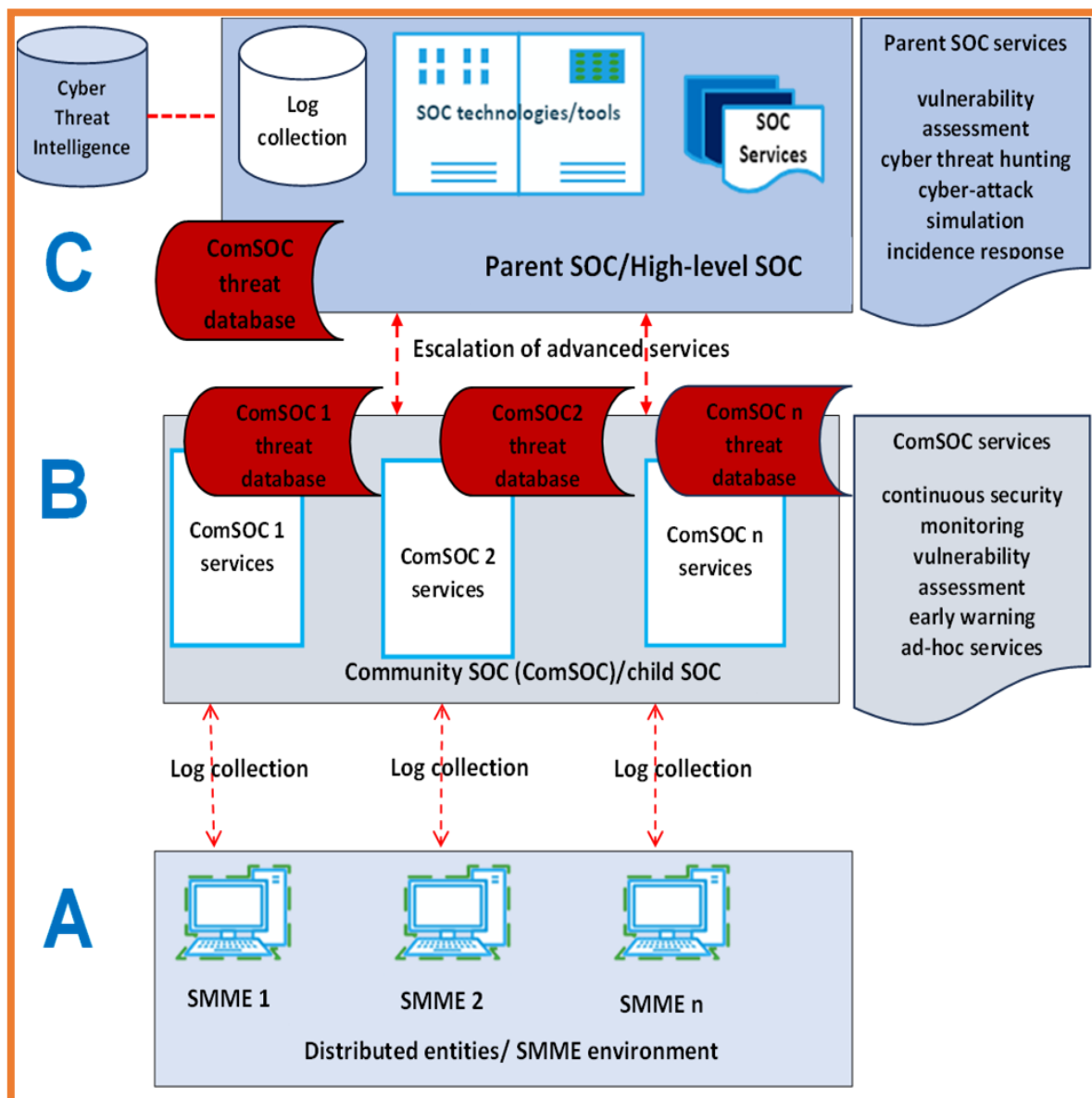
- Identify, design and describe the components of a KhuselekaCTH Framework for SMMEs in developing countries.
- Describe standard operating procedures for creating universal use cases.

**RESULTS EXPECTED**

The research study proposes a community SOC model for SMMEs in developing countries.

The Framework will:

- Identify the architectural and operational drivers to design a community SOC for SMMEs in developing countries.
- Identify prerequisite factors (skillset, technologies, and processes) for a competent community SOC.
- Standardise processes and use cases for a community SOC.



**REFERENCES**

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