

Maltego

Empowering
Digital Literacy
within Communities

Jalena Henderson

STACK Technology and Cabling Keystone Inc

+1(904)219-7181

support@getstack.online

<https://getstack.online>

8715 Belle Rive Blvd OFC Jacksonville, FL 32256



GNU Free Documentation License
Version 1.3, 3 November 2008

Copyright (C) 2000, 2001, 2002, 2007, 2008 Free Software
Foundation, Inc.

<<https://fsf.org/>>

Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Copyright © 2024 STACK Technology and Cabling Keystone
Inc.,
501(c)(3) Nonprofit

Table of Contents

Executive Summary	4
Company Overview	4
Project Scope.....	4
Requirements	4
Goals	4
Existing Systems	5
Forecasts	5
Solutions	5
Ongoing Projects.....	5
Processes.....	5
Materials	5
Compliance.....	6
Lesson Plan	6
Academic Plan.....	6
Workshops	6
Individual Training Sessions.....	6
Capacity.....	6
Communication Plan	6
Program Objectives.....	7
Additional Services	7
Admission	7
Proof of Concept	7
Sample Student.....	7
Define Problem.....	7
Cost Analysis.....	7
Online Course	8
Workshop	8
Premium Support.....	8

Accountability Agreement	8
Liability Waiver.....	8
Technology Policy	8
Student Policy.....	8
Employee Policy.....	8
Quality Control	8
Appendix A.....	9
Workshop Schedule	9
Project Update Schedule.....	10
Liability Waiver and Release Form.....	11
Technology Policy	12
Lesson Plan: Introduction to Maltego for Data Mining and Forensic Analysis	13
Academic Plan: Cyber Security with Maltego Integration	14
Define Problem Worksheet.....	14
Cost Analysis Template.....	15
Cost Analysis Template (Cont'd).....	16
Online Course: How to Investigate Yourself with Maltego.....	16
Integration of Maltego in the Academic Plan.....	18
Workshop Schedule and Course Descriptions	19

Executive Summary

STACK Technology and Cabling Keystone Inc. (STACK) is a leading provider of technology diagnostic and literacy services based in Jacksonville, FL. We are applying for a Maltego licensing grant to boost our cyber security and digital literacy programs. Our mission is to provide free diagnostic services at our community help desk and offer comprehensive paid digital literacy programs. We aim to empower individuals with the skills to manage technology independently, reducing their reliance on external tech support. This proposal outlines our company, project goals, and how the Maltego grant will support our efforts to foster a digitally literate community.

Company Overview

STACK Technology and Cabling Keystone Inc. is a 501(c)(3) Non-Profit S-Corporation. Our leadership team includes:

- **Jalena Henderson** - President and Chief Information Officer
- **Hayden Mooney** - Treasurer and Chief Data Officer
- **Roman Pidhorodeckyj** - Secretary and Chief Experience Officer

Our core values are networking, digital literacy, empowerment, outreach, and leveraging technology to engage the community. We envision a community where everyone can confidently use technology to drive innovation and inclusive growth.

Project Scope

This project aims to integrate Maltego into our cyber security programs to enhance our capabilities in information gathering, analysis, and forensic investigations. The grant will enable us to offer advanced training workshops, individual sessions, and online courses focused on Maltego for cyber security applications. Our goal is to empower individuals and organizations to protect their digital assets and maintain robust security postures.

Requirements

To implement this project, we require:

- Maltego One licenses for trainers and participants
- Access to Maltego's data sources and transforms
- Training materials and support from Maltego

Goals

Our primary goals are to:

- Enhance our cyber security training with advanced tools and techniques
- Increase proficiency in using Maltego for security purposes
- Provide comprehensive training in information gathering, threat analysis, and forensic investigations

Existing Systems

STACK currently offers diagnostic services, monthly workshops, and digital literacy programs. Our infrastructure includes:

- **Spiceworks help desk**
- **Public library classrooms** for training sessions
- **Online platform** for digital courses

Integrating Maltego will enhance our cyber security training capabilities.

Forecasts

We aim to train 500 individuals in the first year, with a 20% annual growth. This training includes workshops, online courses, and individual sessions focused on practical applications of Maltego in real-world scenarios. Integrating Maltego is expected to increase our revenue by 15% annually through enhanced program offerings.

Solutions

Maltego will provide the tools and data sources necessary to enhance our cyber security training. We plan to incorporate Maltego into our curriculum with:

- **Practical applications** such as threat analysis, information gathering, and forensic investigations
- **Hands-on training sessions** and real-world case studies
- **Continuous support** for participants

Ongoing Projects

Current programs include:

- **Basic IT skills workshops**
- **Advanced troubleshooting and digital safety workshops**

These programs empower individuals to manage and secure their digital environments effectively.

Processes

Our training process includes:

- **Initial diagnostics**
- **Tailored learning plans**
- **Hands-on workshops**
- **Continuous support**

Integrating Maltego will follow a similar process, starting with introductory sessions on Maltego's capabilities, followed by practical exercises and advanced applications.

Materials

We require:

- **Maltego licenses**

- **Training manuals**
- **Access to Maltego's data sources and transforms**
- **Hardware and software** to support training sessions, including computers, network equipment, and security tools

Compliance

As a non-profit organization, we adhere to strict compliance standards, including data protection, privacy regulations, and non-profit operational guidelines. We will ensure all training and usage of Maltego comply with relevant legal and ethical standards.

Lesson Plan

Our lesson plans include modules on:

- **Basics of Maltego**
- **Advanced transforms**
- **Case studies and practical exercises**

Each module builds participants' skills progressively, from basic information gathering to advanced forensic analysis.

Academic Plan

The academic plan covers a comprehensive curriculum with topics ranging from basic IT literacy to advanced cyber security techniques using Maltego. Regular assessments and feedback ensure continuous improvement.

Workshops

We offer both free and individual workshops focusing on digital literacy and Maltego's applications in cyber security. These workshops provide hands-on experience for participants to apply their learning in real-time scenarios.

Individual Training Sessions

For personalized training, we offer one-on-one sessions tailored to specific needs, providing in-depth training on Maltego's features for specific security challenges.

Capacity

Our facilities can accommodate up to 50 participants per session, with additional capacity for online training. Our experienced trainers and technical support staff ensure smooth and effective training delivery.

Communication Plan

Our communication plan includes regular updates to participants and a dedicated support line. We will use social media and our website to keep the community informed about upcoming sessions and workshops.

Program Objectives

Our objectives are to:

- **Enhance digital literacy**
- **Improve cyber security awareness**
- **Equip individuals with skills to manage and secure digital environments**

We aim to create a community of tech-savvy individuals capable of using advanced tools like Maltego to protect their digital assets.

Additional Services

In addition to training, we offer diagnostic services, tech support, and consultancy on digital safety and cyber security. These services complement our training programs, providing comprehensive support to our clients.

Admission

Our programs are open to all, with a focus on underserved communities. We offer scholarships and financial assistance to ensure everyone has access to our training and support services.

Proof of Concept

Our pilot programs integrating advanced IT tools into our curriculum have shown significant improvements in participants' skills and confidence. The integration of Maltego will build on this success, providing more advanced and specialized training.

Sample Student

Heather R., a small business owner, attended our pilot cyber security program. She used her newly acquired skills to secure her business network, reducing security incidents by 50%. With Maltego, we aim to create more such success stories by enhancing our training capabilities.

Define Problem

Many individuals and small businesses lack the skills and tools to manage their cyber security effectively, leaving them vulnerable to cyber threats. Our training programs aim to bridge this gap by providing practical skills and knowledge.

Cost Analysis

We conducted a detailed cost analysis to ensure the financial viability of integrating Maltego into our programs. Costs include licensing fees, training materials, and additional infrastructure. We identified potential funding sources to cover these costs, ensuring the project's sustainability.

Online Course

We offer self-paced online courses covering various aspects of cyber security and Maltego usage, with video tutorials, interactive modules, and assessments.

Workshop

We provide free monthly workshops focusing on different aspects of Maltego and its applications in cyber security. These hands-on workshops allow participants to practice and apply what they learn in real-time scenarios.

Premium Support

We offer premium support services, including priority assistance and technical support. Subscribers receive prompt responses and dedicated support from our skilled technicians, ensuring quick diagnosis and resolution of issues.

Accountability Agreement

All participants sign an accountability agreement outlining their responsibilities and the support they will receive. This agreement ensures mutual commitment to the successful completion of the training program.

Liability Waiver

Participants must sign a liability waiver acknowledging the risks involved and releasing STACK from any liability related to the services provided.

Technology Policy

Our technology policy outlines the acceptable use of training resources and tools, ensuring responsible and ethical use by all participants.

Student Policy

Our student policy includes guidelines on attendance, participation, and conduct, ensuring a productive and respectful learning environment for all participants.

Employee Policy

Our employee policy outlines staff roles and responsibilities, including guidelines on professional conduct, continuous training, and performance assessments.

Quality Control

We have established quality control procedures to ensure the consistency and effectiveness of our training programs, including regular feedback from participants, continuous monitoring, and periodic reviews of our curriculum and training methods.

Appendix A

Workshop Schedule

Date	Workshop Title	Venue	Capacity
Oct 25, 2024 17:00 EST	How to Hack Yourself: Maltego for Cyber Security	Vista Bay 8715 Belle Rive Blvd Jacksonville, FL 32256	50
Nov 29, 2024 17:00 EST	How to Hack Online Shopping: Introduction to Cyber Security Fundamentals	Vista Bay 8715 Belle Rive Blvd Jacksonville, FL 32256	50
Dec 29, 2025 17:00 EST	How to Hack Time: Incident Response and Forensics	Vista Bay 8715 Belle Rive Blvd Jacksonville, FL 32256	50
Jan 31, 2025 17:00 EST	How to Hack Food: Wireless Network Security	Vista Bay 8715 Belle Rive Blvd Jacksonville, FL 32256	50
Feb 28, 2025 17:00 EST	How to Hack Online Dating: Cloud Security	Vista Bay 8715 Belle Rive Blvd Jacksonville, FL 32256	50
Mar 28, 2025 17:00 EST	How to Hack Clowns: Social Engineering and Phishing Defense	Vista Bay 8715 Belle Rive Blvd Jacksonville, FL 32256	50

Note: All above workshops are free and open to the public.

Project Update Schedule

To ensure effective project management and continuous improvement, we will hold project update meetings every 2.5 weeks after each workshop on the second Wednesday of every month at 2 PM. Each meeting will focus on discussing the outcomes and feedback from the previous workshop.

Update Meeting	Date	Time	Discussion Topic
0	Oct 9, 2024	2:00 PM	Pre-launch check-in
1	Nov 13, 2024	2:00 PM	Introduction to Cyber Security Fundamentals (Oct 25, 2024)
2	Dec 11, 2024	2:00 PM	Maltego for Cyber Security (Nov 29, 2024)
3	Jan 8, 2025	2:00 PM	Incident Response and Forensics (Dec 29, 2025)
4	Feb 12, 2025	2:00 PM	Wireless Network Security (Jan 31, 2025)
5	Mar 12, 2025	2:00 PM	Cloud Security (Feb 28, 2025)
6	Apr 9, 2025	2:00 PM	Social Engineering and Phishing Defense (Mar 28, 2025)

Appendix B

Liability Waiver and Release Form

STACK Technology and Cabling Keystone Inc.

Client Name: _____

Date: _____

Services Provided with Costs:

Service	Units	Price per Unit	Duration	Description
Define Problem	576	Complimentary	30-minute session	Identifying and understanding specific technical issues.
Cost Analysis	432	\$49.99	30-minute session	Estimating costs associated with IT services or repairs.
Custom Learning Plans	288	\$99.99	2 hours	Designing a personalized educational program to address specific knowledge gaps.
Custom Online Courses	144	\$199.99	5 hours	Comprehensive digital learning experiences on IT management and troubleshooting.
Custom Training Workshops	72	\$249.99	2 hours (hands-on)	Interactive hands-on sessions focused on practical IT troubleshooting and software utilization.
1-Month Premium Support	36	\$499.99	Subscription (8 requests)	Priority assistance and technical support.

Acknowledgment of Risks:

By signing this waiver, I acknowledge that I am voluntarily receiving services from STACK Technology and Cabling Keystone Inc. While the organization strives to provide high-quality assistance, there may be risks involved, including data loss or damage to hardware/software.

Limitation of Liability:

STACK Technology and Cabling Keystone Inc., its employees, volunteers, and agents shall not be liable for any direct, indirect, incidental, or consequential damages arising from the services provided.

Acceptance of Terms:

By signing this form, I agree to the terms and conditions outlined above.

Client Signature: _____

Date: _____

Technology Policy

Technology Policy for STACK Technology and Cabling Keystone Inc.

Introduction

STACK Technology and Cabling Keystone Inc. is committed to providing a productive, inclusive, and ethical learning environment. This policy outlines acceptable use of our training resources and tools to ensure responsible and ethical use by participants, staff, and volunteers.

Purpose

- Define acceptable and unacceptable use of technology resources.
- Protect the integrity and security of our technology resources.
- Promote responsible and ethical behavior in the use of technology.
- Ensure compliance with relevant laws and regulations.

Acceptable Use

Participants, staff, and volunteers are expected to:

- Use resources solely for educational and training purposes.
- Adhere to ethical guidelines and standards.
- Respect intellectual property.
- Maintain security and confidentiality of login credentials.
- Communicate respectfully and professionally.

Unacceptable Use

Participants, staff, and volunteers must not:

- Engage in illegal activities.
- Access or share inappropriate content.
- Misuse resources or engage in activities that could damage or disrupt technology.
- Share confidential information without authorization.
- Harass or discriminate against others.

Security and Monitoring

- Security measures include firewalls, antivirus software, and encryption.
- Technology use may be monitored to ensure compliance and maintain security.
- Suspected security breaches should be reported immediately.

Compliance

- Users must comply with local, state, and federal laws and regulations.
- Violations may result in disciplinary action, including loss of access or dismissal.

User Agreement

All users must acknowledge and agree to this Technology Policy before using STACK's resources.

Acknowledgment

I, _____, have read and understood the Technology Policy of STACK Technology and Cabling Keystone Inc. I agree to comply with this policy.

Signature: _____

Name: _____

Date: _____

Appendix C

Lesson Plan: Introduction to Maltego for Data Mining and Forensic Analysis

Overview

This lesson plan provides a comprehensive understanding of Maltego for data mining and forensic analysis, covering basic navigation, graph creation, entity management, transforms, and practical exercises.

Part 1: Overview of Maltego

- Duration: 30 minutes
- Objective: Introduce Maltego, its capabilities, and applications.
- Activities:
 - Introduction to Maltego's history and key features.
 - Discussion on applications and real-world scenarios.

Part 2: Basic Navigation

- Duration: 30 minutes
- Objective: Familiarize participants with the main interface elements.
- Activities:
 - User interface tour, including graph area, palettes, and toolbar.
 - Hands-on exercise for navigating the interface.

Part 3: Creating Graphs

- Duration: 1 hour
- Objective: Teach participants how to create graphs, add entities, and link them.
- Activities:
 - Creating a new graph and adding various entities.
 - Linking entities to visualize relationships.

Part 4: Using Transforms

- Duration: 1 hour
- Objective: Understand transforms and how to run and interpret them.
- Activities:
 - Explanation of transforms and their importance.
 - Running basic transforms and filtering results.

Part 5: Practical Exercises

- Duration: 1.5 hours
- Objective: Apply learned concepts through case studies.
- Activities:
 - Case study on mapping social networks.
 - Real-world application exercise.

Conclusion and Q&A

- Duration: 30 minutes
- Objective: Summarize key points, address questions, and provide further learning guidance.

- Activities:
 - Recap of key concepts.
 - Open floor for questions and feedback.

Additional Resources

- Maltego Documentation
- Online Tutorials
- Community Forums

Academic Plan: Cyber Security with Maltego Integration

Overview

This plan provides students with knowledge and practical skills in cyber security, focusing on Maltego for security applications.

Define Problem Worksheet

Objective: Identify problem correlation and/or causation.

STAR Method:

- **Situation:** Who is affected by the problem?
- **Task:** When did the problem first occur?
- **Action:** What steps have you taken to resolve the problem?
- **Result:** What are the implications of the problem?
- **Correlation:** What variables influence the problem?

Cost Analysis Worksheet

Objective: Identify all costs associated with the problem.

STAR Method:

- **Situation:** How long have they been affected by the problem?
- **Task:** How many times has the problem occurred?
- **Action:** How much have you spent on resolving the problem?
- **Result:** What are the consequences of the problem?
- **Correlation:** What variables influence the problem's total cost?

Cost Analysis Template

Objective: Identify all costs associated with each solution.

STAR Method:

- **Situation:**
 - **Duration of Impact:**
 - **Solution 1:**
 - **Solution 2:**
 - **Solution 3:**
- **Affected Parties:**
 - **Solution 1:**
 - **Solution 2:**
 - **Solution 3:**
- **Task:**
 - **Frequency of Occurrence:**
 - **Solution 1:**
 - **Solution 2:**
 - **Solution 3:**
- **Action:**
 - **Previous Expenditure:**
 - **Solution 1:**
 - **Solution 2:**
 - **Solution 3:**
- **Result:**
 - **Consequences of Problem:**
 - **Solution 1:**
 - **Solution 2:**
 - **Solution 3:**
- **Correlation:**
 - **Variables Impacting Problem:**
 - **Solution 1:**
 - **Solution 2:**
 - **Solution 3:**

Cost Analysis Template (Cont'd)

Breakdown

- **Solution 1:**
 - **Labor:**
 - **Time:**
 - **Materials:**
- **Solution 2:**
 - **Labor:**
 - **Time:**
 - **Materials:**
- **Solution 3:**
 - **Labor:**
 - **Time:**
 - **Materials:**

Online Course: How to Investigate Yourself with Maltego

Overview

Welcome to the online course "How to Investigate Yourself with Maltego." This course helps you learn how to use Maltego for personal investigations, enhancing your cyber security skills. The self-paced course includes video tutorials, interactive modules, and assessments.

Course Outline

Module 1: Introduction to Maltego

- Duration: 1 Hour
- Objective: Understand what Maltego is and its applications.

Module 2: Getting Started with Maltego

- Duration: 2 Hours
- Objective: Set up Maltego and familiarize yourself with its interface.

Module 3: Understanding Entities and Transforms

- Duration: 3 Hours
- Objective: Learn about entities, transforms, and how to run and interpret them.

Module 4: Creating and Managing Graphs

- Duration: 4 Hours
- Objective: Master the creation, management, and analysis of graphs in Maltego.

Module 5: Practical Applications of Maltego

- Duration: 5 Hours
- Objective: Apply Maltego in real-world scenarios through practical exercises.

Module 6: Advanced Techniques in Maltego

- Duration: 6 Hours
- Objective: Learn advanced Maltego techniques, including customizations and integration with external data sources.

Module 7: Ensuring Ethical Use of Maltego

- Duration: 2 Hours
- Objective: Understand ethical and legal considerations when using Metasploit for investigations.

Module 8: Course Assessments and Certification

- Duration: 3 Hours
- Objective: Evaluate your understanding of the course material and demonstrate your ability to use Metasploit effectively.

Additional Resources

- Metasploit Documentation
- Online Tutorials
- Community Forums

Integration of Maltego in the Academic Plan

Course Integration

Introduction to Cyber Security Fundamentals: Brief introduction to Maltego and its relevance in cyber security.

Maltego for Cyber Security: In-depth exploration and hands-on practice with Maltego.

Kali Linux for Penetration Testing: Use Maltego for intelligence before penetration tests.

Network Security and Monitoring: Apply Maltego to monitor and analyze network traffic.

Incident Response and Forensics: Use Maltego in digital forensics investigations.

Wireless Network Security: Apply Maltego to identify and analyze wireless network threats.

Workshop Schedule and Course Descriptions

Course Title	Date	Venue	Capacity	Objectives
How to Hack Yourself: Maltego for Cyber Security	Oct 25, 2024 17:00 EST	8715 Belle Rive Blvd Jacksonville, FL 32256	50	Use Maltego for data mining and threat intelligence.
How to Hack Online Shopping: Introduction to Cyber Security Fundamentals	Nov 29, 2024 17:00 EST	8715 Belle Rive Blvd Jacksonville, FL 32256	50	Basic cyber security concepts, threat types, risk management.
How to Hack Time: Incident Response and Forensics	Dec 29, 2025 17:00 EST	8715 Belle Rive Blvd Jacksonville, FL 32256	50	Responding to cyber incidents and conducting forensics.
How to Hack Food: Wireless Network Security	Jan 31, 2025 17:00 EST	8715 Belle Rive Blvd Jacksonville, FL 32256	50	Securing wireless networks and protecting against attacks.
How to Hack Online Dating: Cloud Security	Feb 28, 2025 17:00 EST	8715 Belle Rive Blvd Jacksonville, FL 32256	50	Securing cloud environments and managing risks.
How to Hack Clowns: Social Engineering and Phishing Defense	Mar 28, 2025 17:00 EST	8715 Belle Rive Blvd Jacksonville, FL 32256	50	Defending against social engineering and phishing attacks.

