STRATIGN

Strategic Defence Technologies

COMINT

WiFi Interception System

Surveillance, Interception, Monitoring & Logging System

About Us

Stratign holds an apex position around the globe in Communication Interception, Signal Processing Systems, Communication Jamming and Communication Security Systems. Established in the year 2002, Stratign has a strong presence in Middle East, South East Asia, Africa, Europe, Latin America and CIS Countries.

With continuous endeavor in the filed of R&D paired with our committed and highly skilled team, we provide precise, customized solutions for the challenges faced by our customers. Stratign's cutting edge technologies are integrated into various products through the years and have given a competitive advantage to it in the international market.

Professional commitment, client focus, creativity & Innovation, excellent performance, integrity, teamwork and to strictly stand by its commitments are Stratign's values.

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Technology Introduction

- Technology for wireless local area networking with devices based on IEEE 802.11 standards.
- Wi-Fi compatible devices can connect to the internet via WLAN network and a wireless **access point** (abbreviated as AP).
- Every WLAN has an access point which is responsible for receiving and transmitting data from/to users.
- 2.4 GHz and 5 GHz for unlicensed use by anyone.
- The basic standards which developed across the years were the IEEE802.11 a, b g, n and ac.

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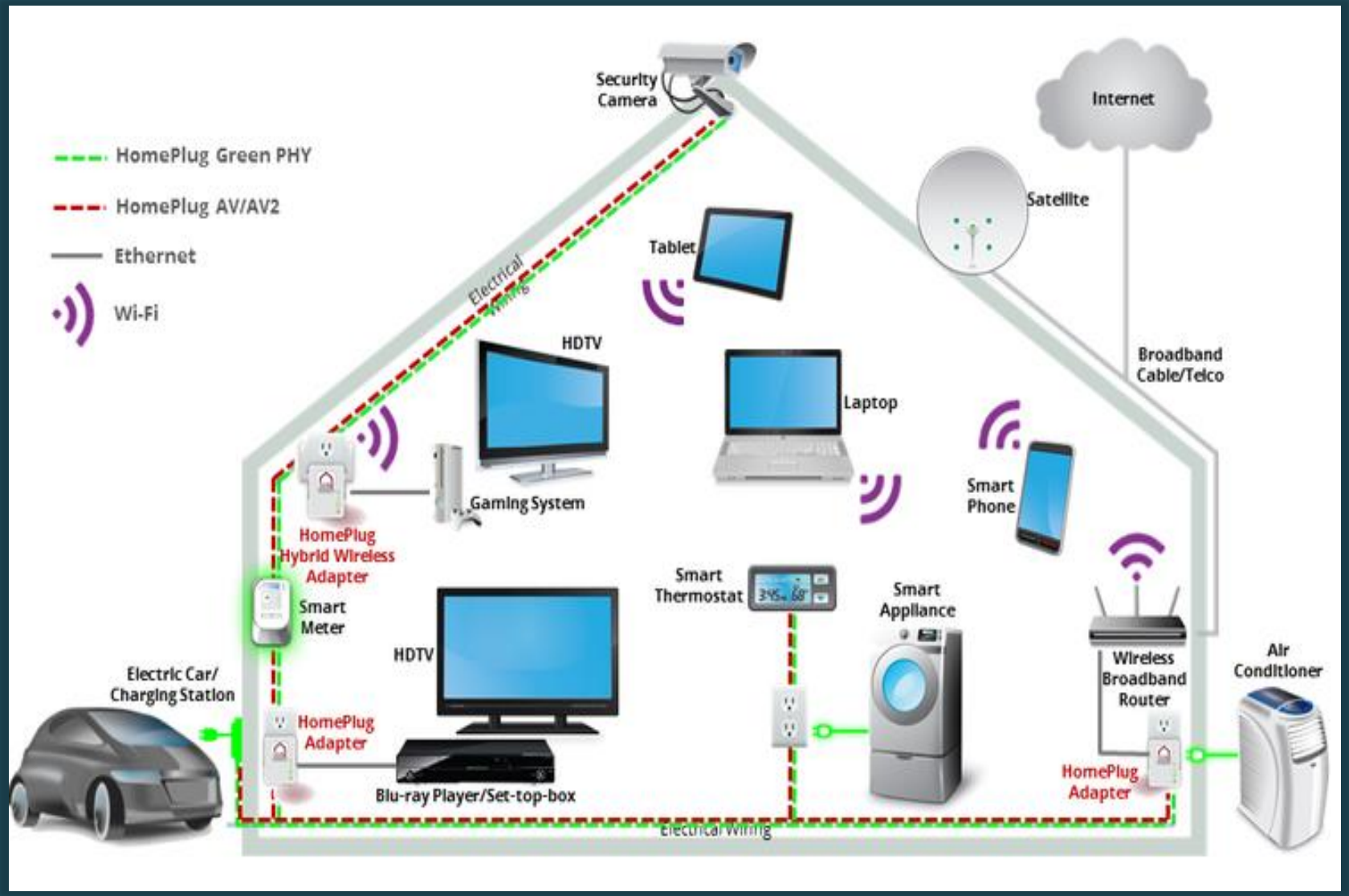
WiFi Network



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Types of Internet Traffic

- HTTP (Unsecured)
- HTTPS (Secured)

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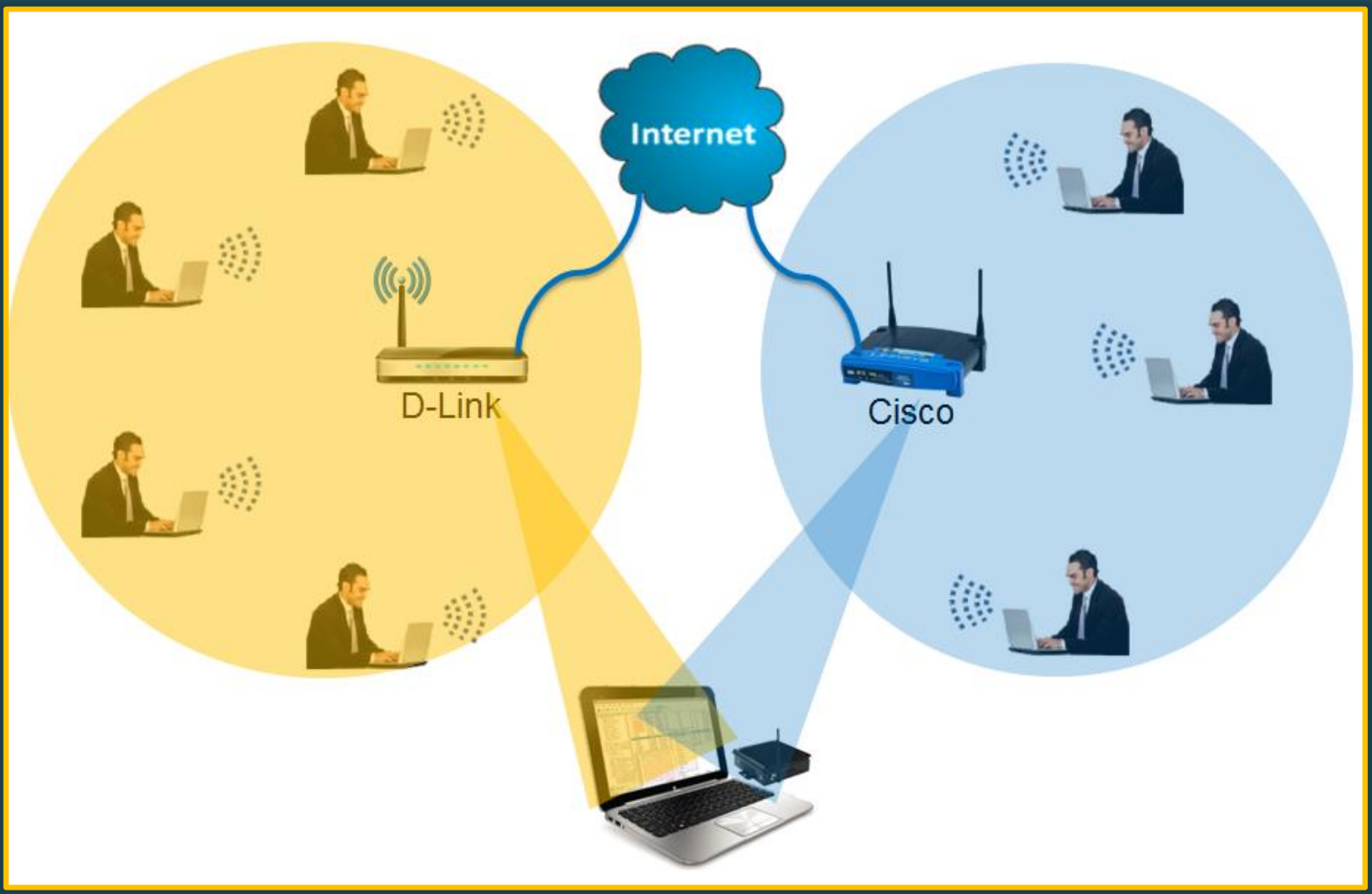
Interception of HTTP Traffic



Passive Mode

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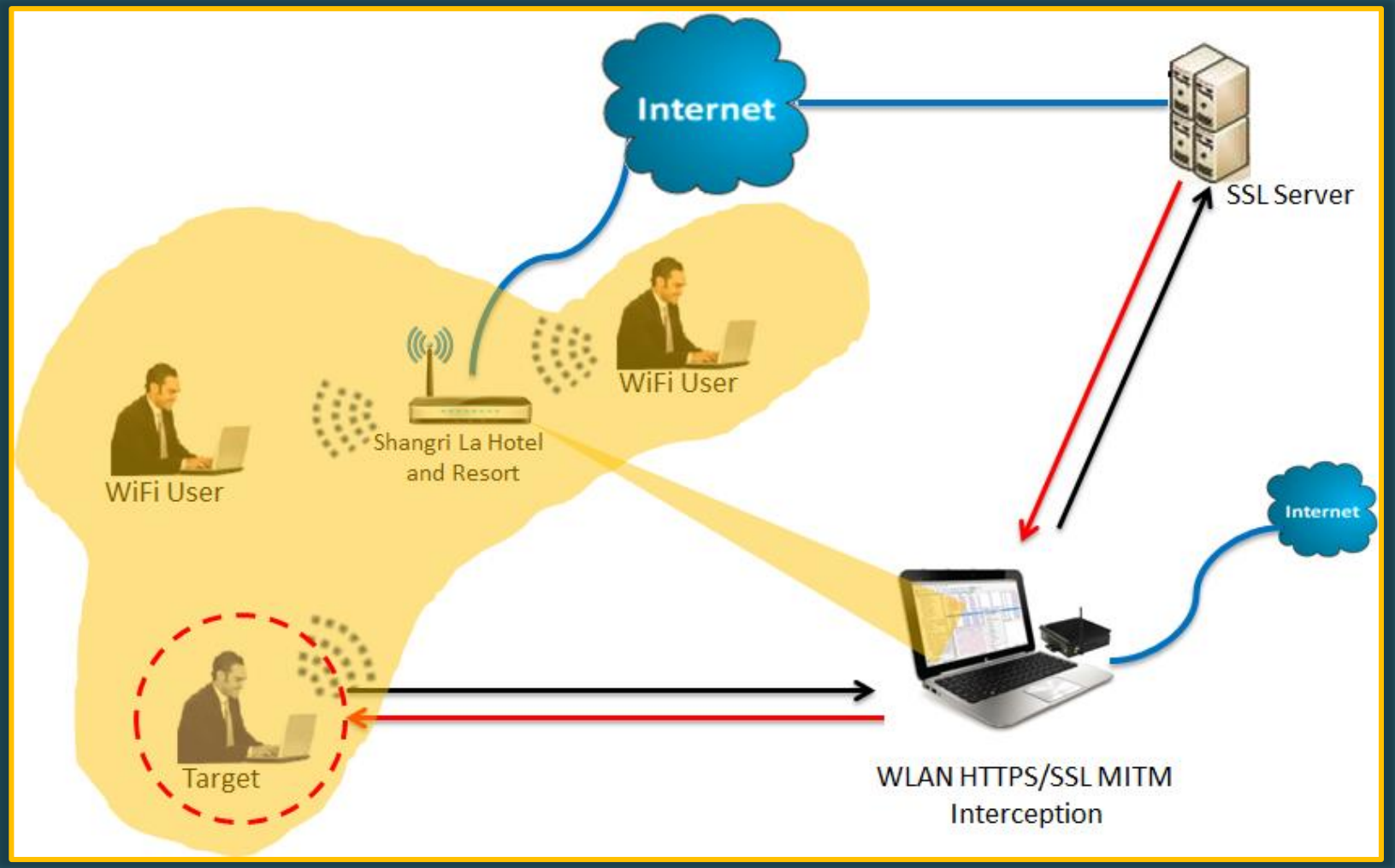

Man in the Middle Mode

Interception of HTTPS Traffic

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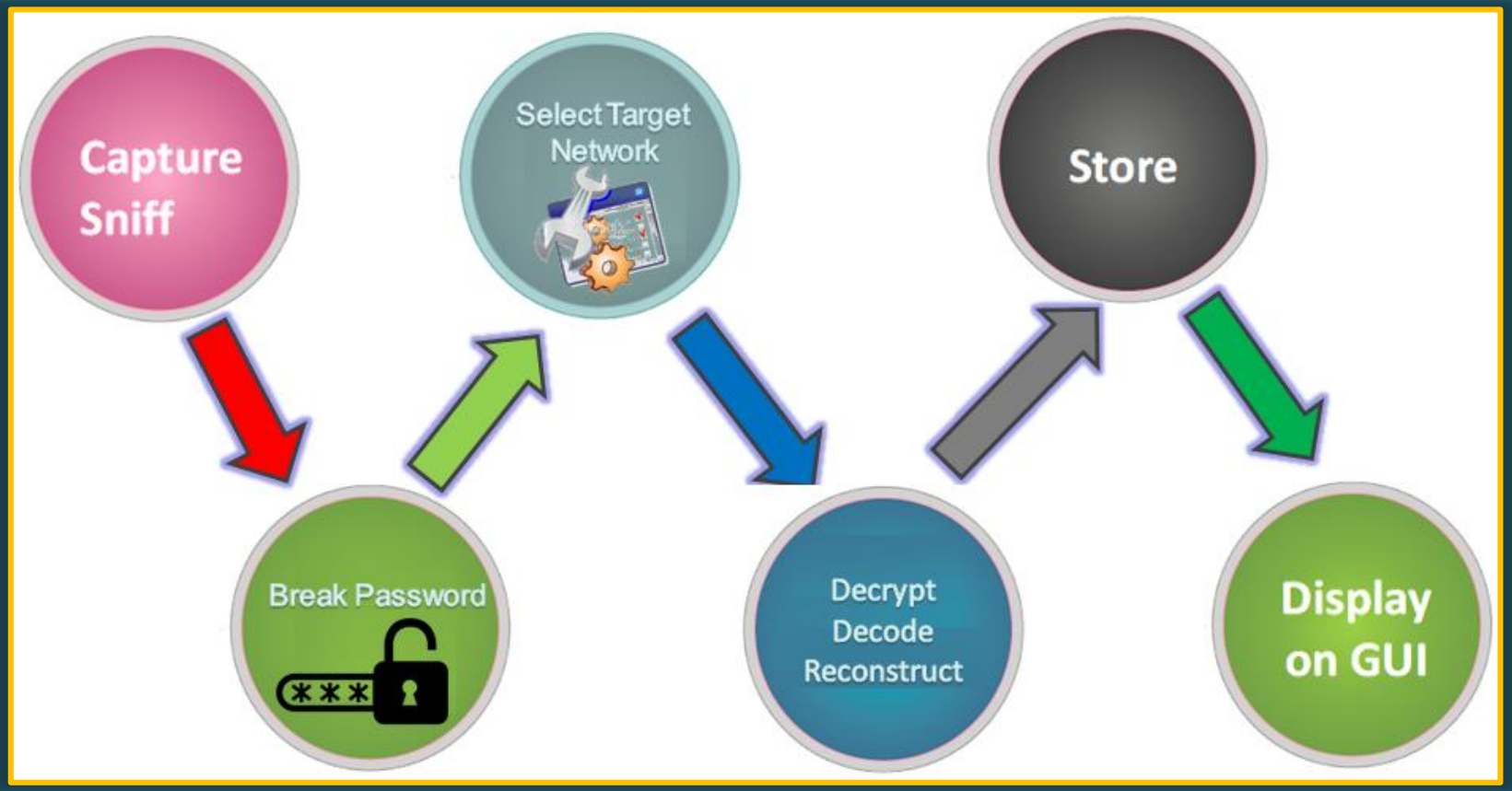
Interception Process



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System Components

- WiFi Receiver Unit
  Specialized hardware module which allows the reception of the WiFi signals in passive mode and in Man-in-the-Middle Mode.
- WiFi Processing Module
  High performance laptop installed with all necessary software application for scanning, monitoring, processing, reconstructing and recording of the monitored traffic.
- HTTPS Interception Module
  Software module which helps in interception of https traffic.
- WiFi Decryptor
  Dedicated hardware decryptor which is capable of breaking the WEP, WPA and WPA2 secured WiFi networks.
- Data Decoder
  Application with advanced algorithms to support a comprehensive list of Internet data protocols.
- Operator Workstation
  High performance laptop installed with operator workstation software application to analyse the intercepted traffic.

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By AP By Sta By Channel

Action	ESSID	Channel	Radio Type	Encrypt Type	Strength	Packet	Manufacturer
	kalyanp y	13	802.11gn	WPA	8	0	Binatone Telecommunication Pvt
	Svr_N	4	802.11gn	WPA2	41	0	Asustek Computer
	OFC_N	1	802.11gn	WPA2	50	253	Asustek Computer
	LG Adn	11	802.11g	WPA	9	0	D-Link International
	HP-Print- -Deskj 3540 series	10	802.11g	OPN	13	0	Hewlett Packard
	DSIPL	7	802.11g	WPA	18	12	
	Car Skills A demy	10	802.11gn	WPA	14	0	Binatone Telecommunication Pvt

First Previous 1 2 Next Last

10 Records/Page

Scan Output

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Features

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- Designed for Interception and reconstruction of IP traffic from both unsecured and secured WiFi networks
- Support 2.4 GHz or 5 GHz WiFi frequency bands
- Can break WEP, WPA, WPA2 secured WiFi networks
- Capable of working independent of firewall, antivirus and security updates
- Can intercept the traffic from target devices using different OS like Mac OSX, Windows, iOS, Android, Blackberry, Linux etc.
- Single unit to intercept secured (HTTPS/SSL) and unsecured networks
- Can load the legal certificate issued by certificate certifying authorities and also has inbuilt root certificate for Intercepting and Reconstructing HTTPS Traffic

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- Can intercept , decode and display the Targets login credentials from the following and many more
  - Email: Gmail, YahooMail, Hotmail, GMX Mail, Yandex, Mail.ru, Country Specific Emails etc
  - Social Networking: Facebook, Twitter, LinkedIn etc.
  - Messenger: Skype etc.
- Can intercept and automatically reconstruct the browsed webpages in the same language, on which it is browsed on the target system
- Can intercept Chats sessions like Yahoo chat, Facebook Chat along with session related information
- Can intercept Emails sent from Email client such as Outlook, Thunderbird Mail, etc.
- Can also be used for jamming of specific WiFi network
- Can be used for both static and portable deployment depending upon the mission requirement

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Technical Specifications

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Parameter	Value
Supported frequency band	2.4 GHz, 5 GHz
Supported Wi-Fi Protocol	802.11a/b/g/n/ac
Supported Wi-Fi security protocols	WEP, WPA-Personal, WPA2-Personal and WPA2-PSK
Support for jamming of Wi-Fi Network	Yes
Support for Interception of HTTPS/SSL Sessions	Yes (MITM)
Antenna	Omni-Directional
Coverage	
Indoor	Up to 20-30 meters
Outdoor(with Line of Sight)	Up to 40-50 meters

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Internet Content Monitoring & Reconstruction	
Email	POP3, SMTP, IMAP
Decoding & Reconstruction of both HTTP & HTTPS Traffics	Yes
Webmail	Yahoo Mail, Gmail, Windows Live Mail, YandexMail, Country Specific Emails etc
Social Media	Facebook, Twitter, LinkedIn
Chat	Facebook Chat, Yahoo Chat, Skype Voice Call Duration Log
File Transfer	Upload/Download
User ID and Password	Email: Gmail, YahooMail, GMX Mail, Yandex, Mail.ru, Zoho, Country Specific Emails etc Social Networking: Facebook, Twitter, LinkedIn etc. Messenger: Skype , Facebook Chat etc.

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Management - Administrative Functions	
Export and Backup	Raw Data (in PCAP format) and Reconstructed Data (ISO format). Exported Raw Data Files can be read and analysed from Network Packet Analyser Tools such as Wireshark
Import of Raw Data (PCAP) for Reconstruction	Yes, WLAN Raw Data (in PCAP format) can be imported for cracking the WLAN WEP key and reconstruction.
System Access-Management	Local Machine GUI access
Access Browser	IE or Firefox Browser

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Database Server and Analysis Application	
Database Platform	MySql
Integration with third part tool	Can be integrated
Security	Multilevel
Software Application	Graphical User Interface for the analysis of the intercepted data
Filter Options	Search based on all possible intercepted parameters
Archiving	Both Manual and Automatic
File Storage Server	
Storage	500GB

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