# ZECURION DLP INTRODUCTION

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# About Zecurion

- Established in 2001
- Focused internal security vendor
- More than 10 000 customers from SMB to enterprises on all continents
- Featured by Gartner, IDC, Forrester, Radicati, Markets and Markets etc.
- Products received numerous international awards

# Zecurion Product Line

## Zecurion Data Loss Prevention Suite

- Traffic Control capturing module for Mail and Web
- Device Control for endpoints
- Discovery crawler module
- Staff Control user productivity analyzer
- Screen Photo Detection module

## Zecurion SWG → New Zecurion NGFW (H2 2022)

New Zecurion solution for network security and Internet user protection

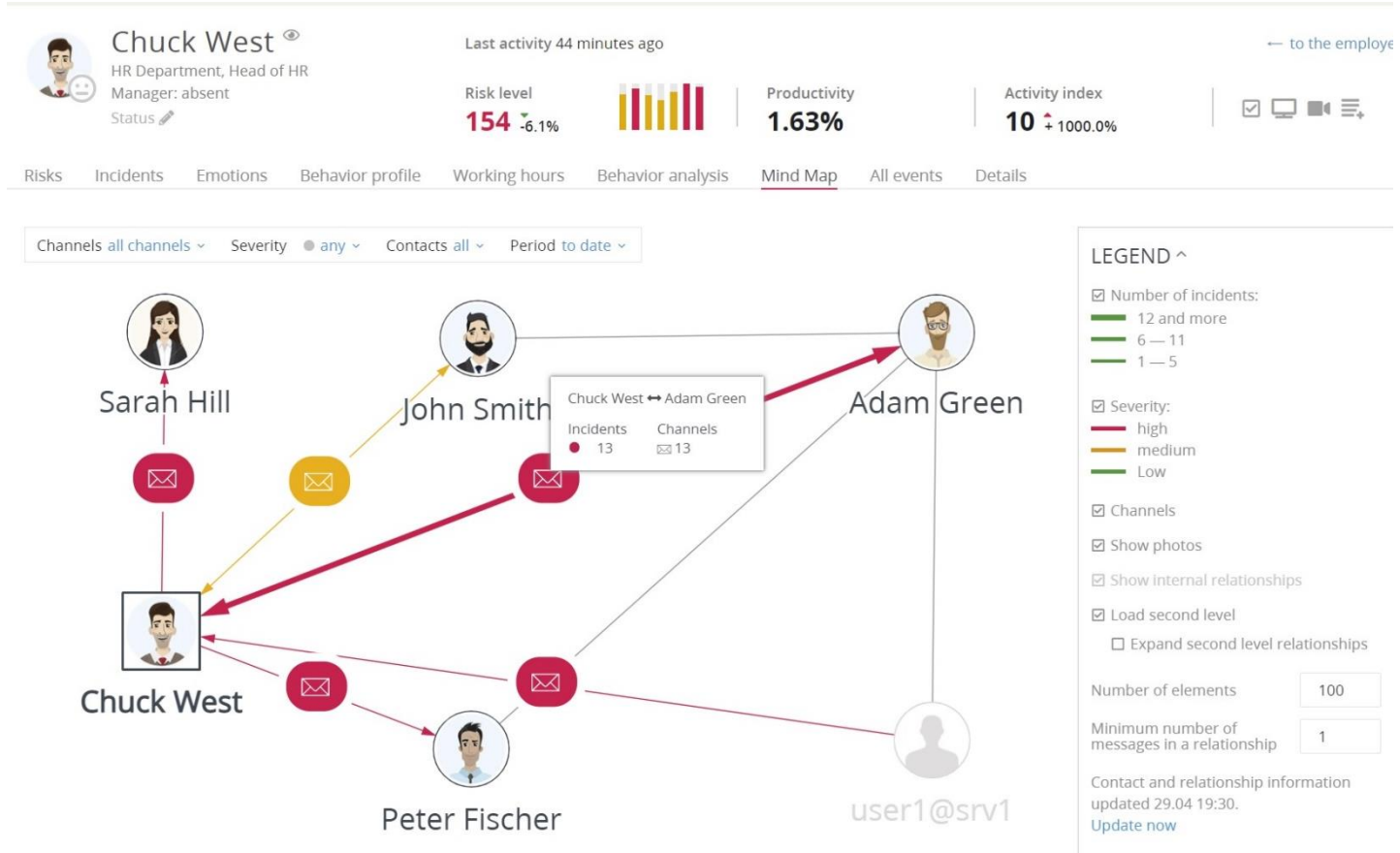
## Zecurion PAM — Privileged Access Management

Control and record sessions of privileged users

# ZECURION DLP UNIQUE FEATURES

# Intelligence Capabilities

- Full archive of files and events
- User behavior analytics
- Emotional profiling
- Connection diagram displaying internal users and external contacts

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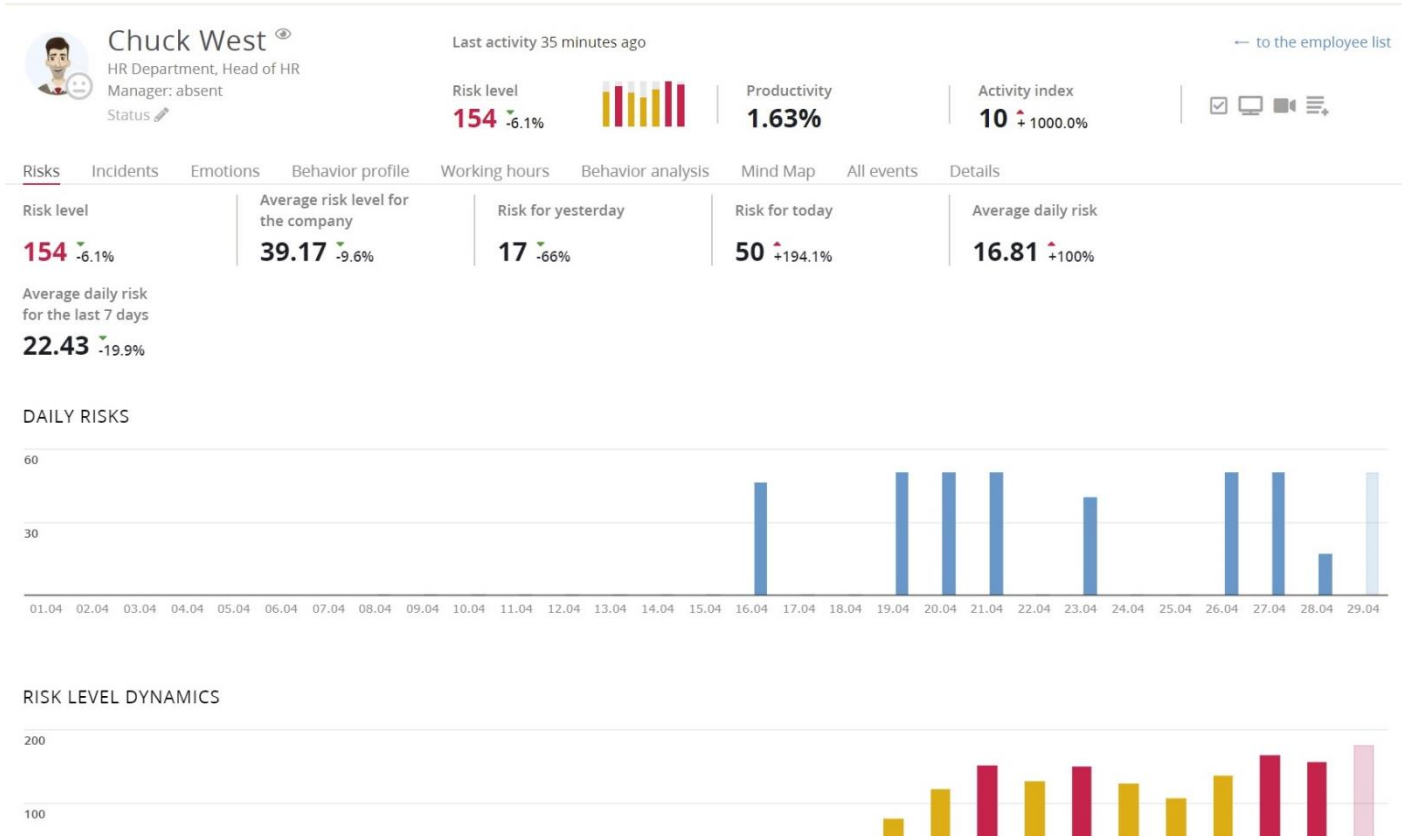
# Advanced UBA tools

- UBA index for each user
- Fast risk-based assessment
- Behavioral profiles of users and groups, comparison and concordance
- Detection of anomalies: activity at holidays, first remote connection, first use of the new device, etc.

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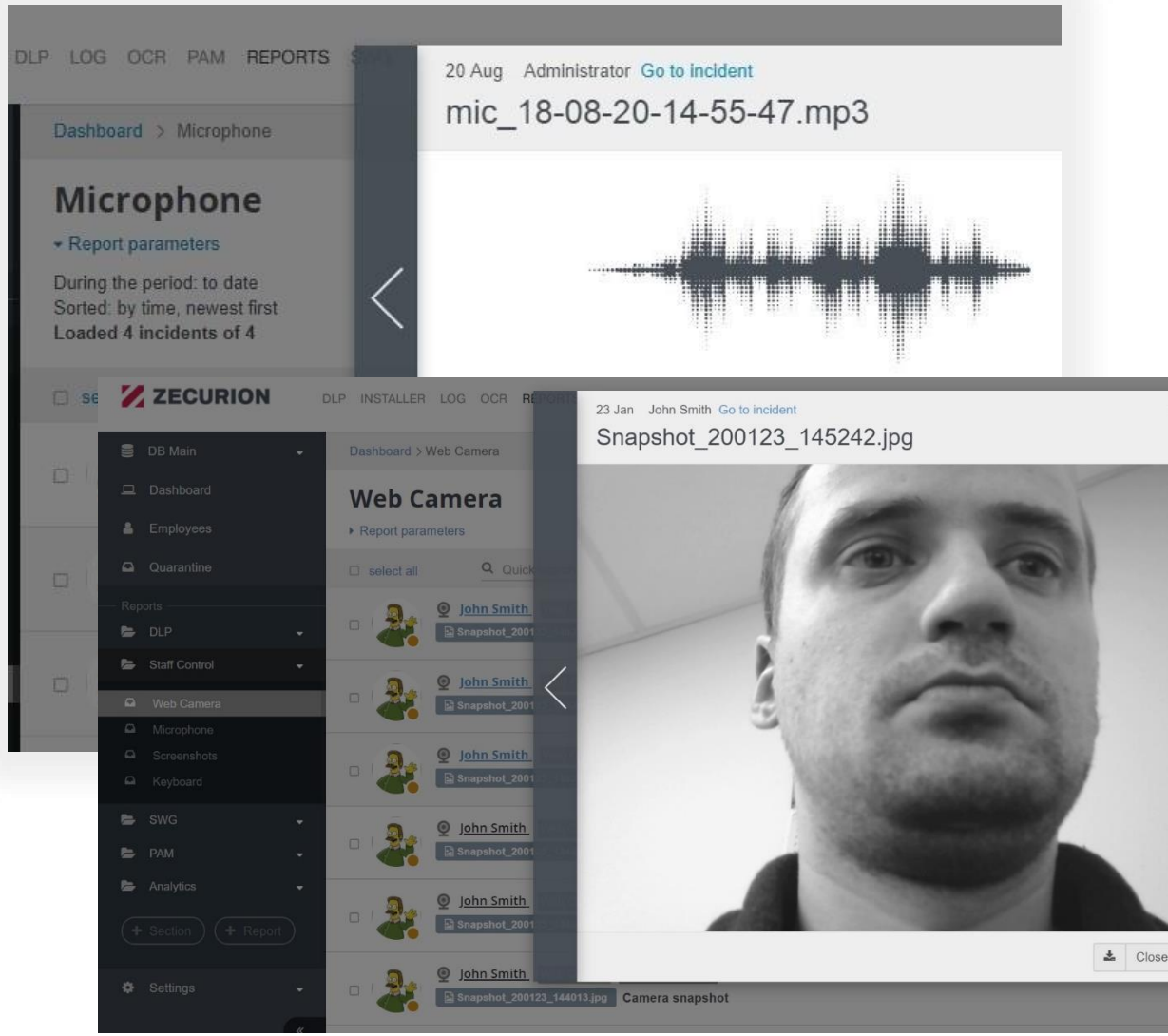
# Control Capabilities

- Keyboard recording
- User sessions (screens) recording
- Application control
- Microphone recording
- Webcam recording
- Passwords and accounts

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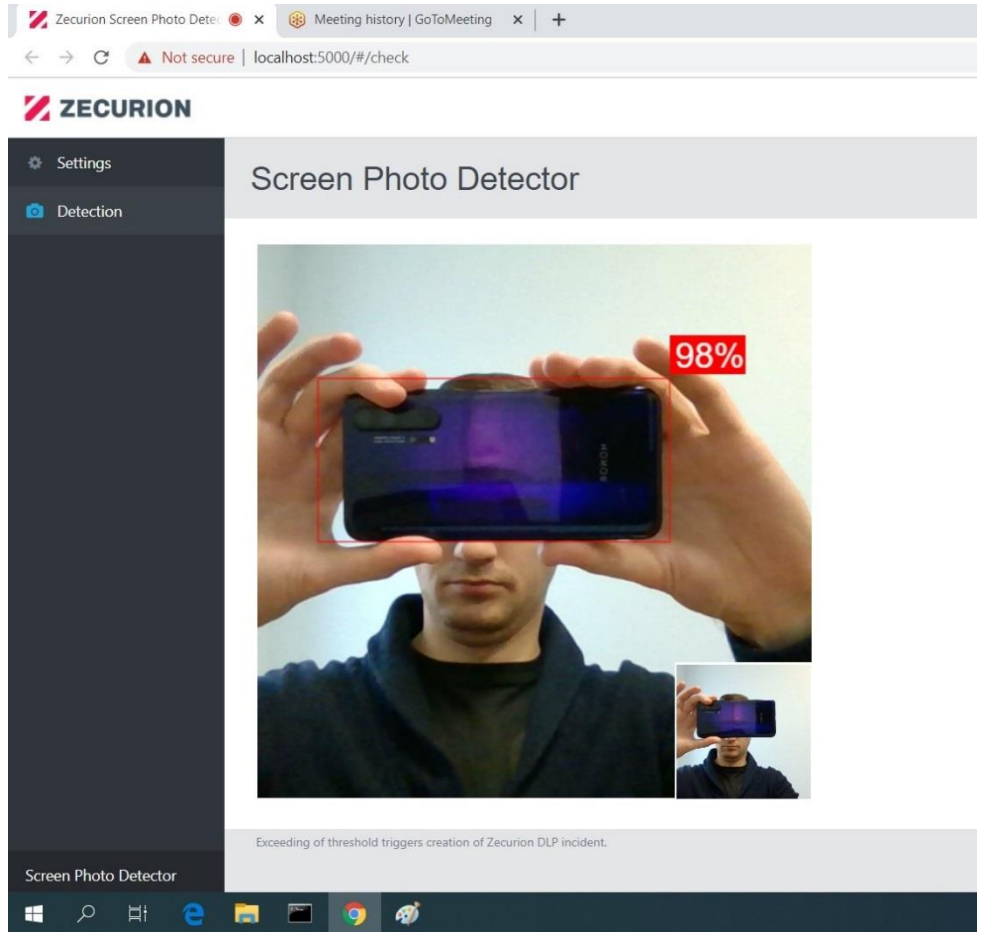
# Screen Photo Detection

- Detection of attempts to make a photo of the screen
- Using PC or laptop web camera
- AI-based algorithm (2 neural networks)
- Wide choice of reactions: alerting security officer, saving webcam image and screenshot, blocking user account
- Detection of all smartphones

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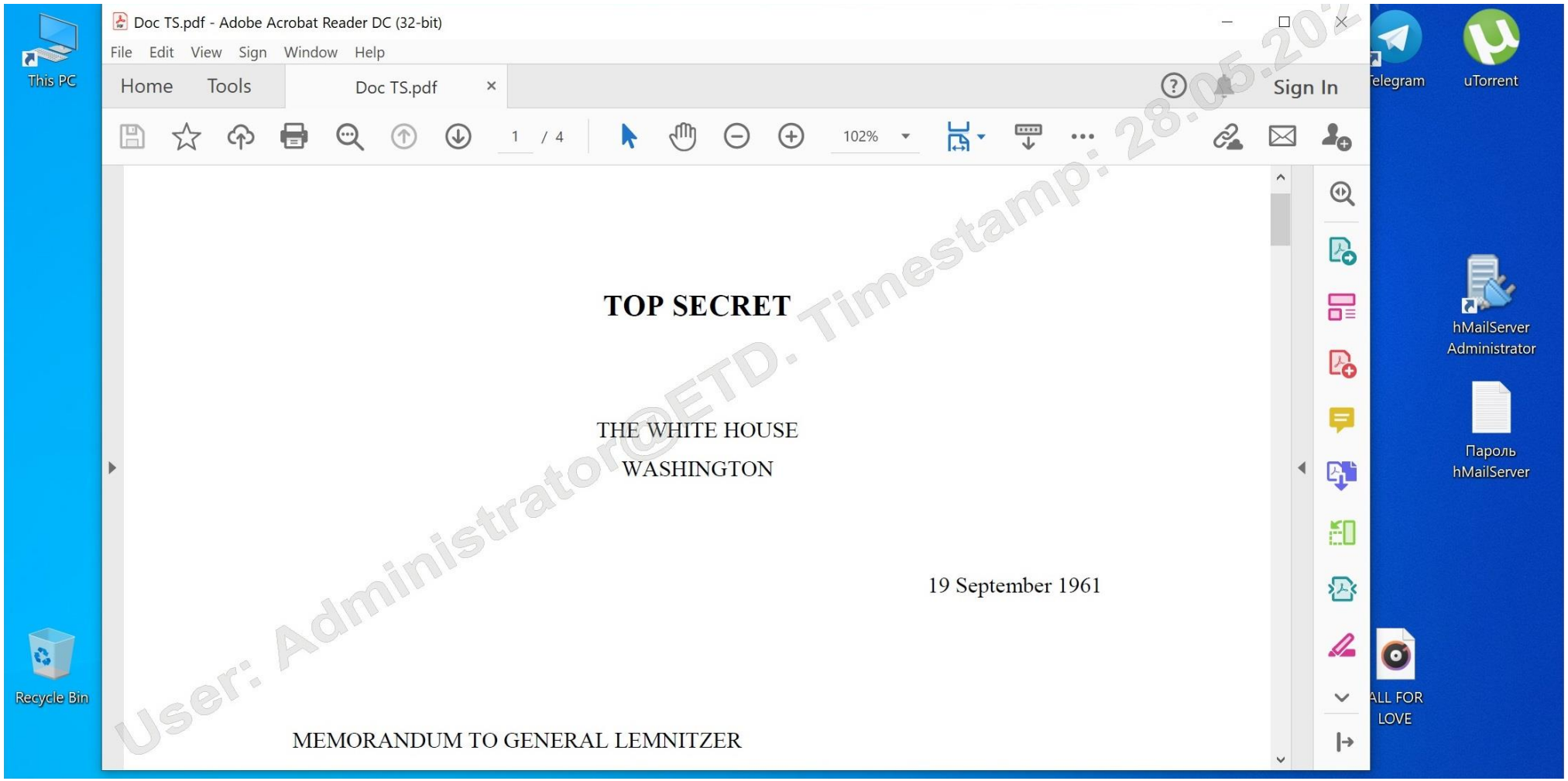
# Screen Watermarks

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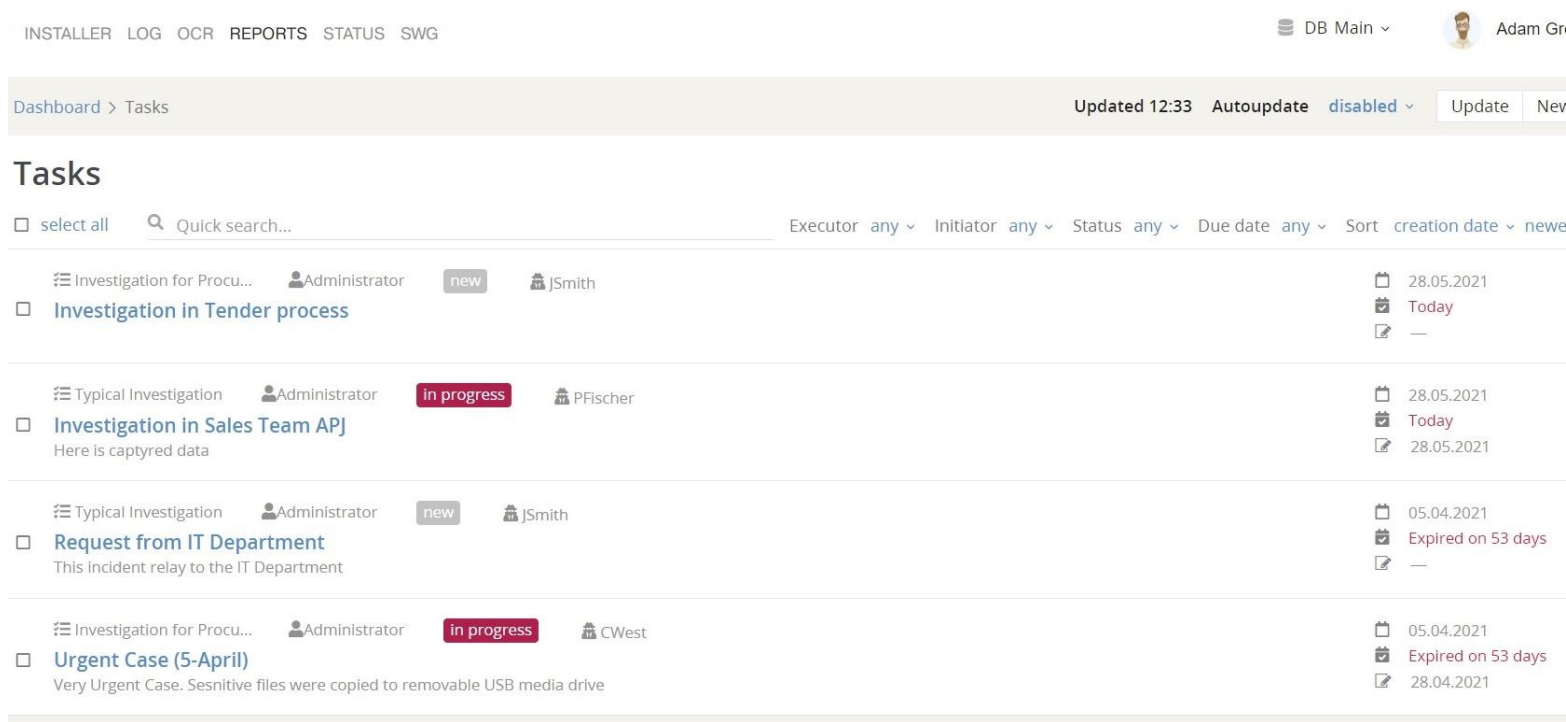
# Incident Response Workflow

- Incident investigation workflow automation
- Jira-like task tracker
- Create new investigation, assign tasks to subordinate security officers, control execution
- Attach incidents and files from DLP archive
- Write comments

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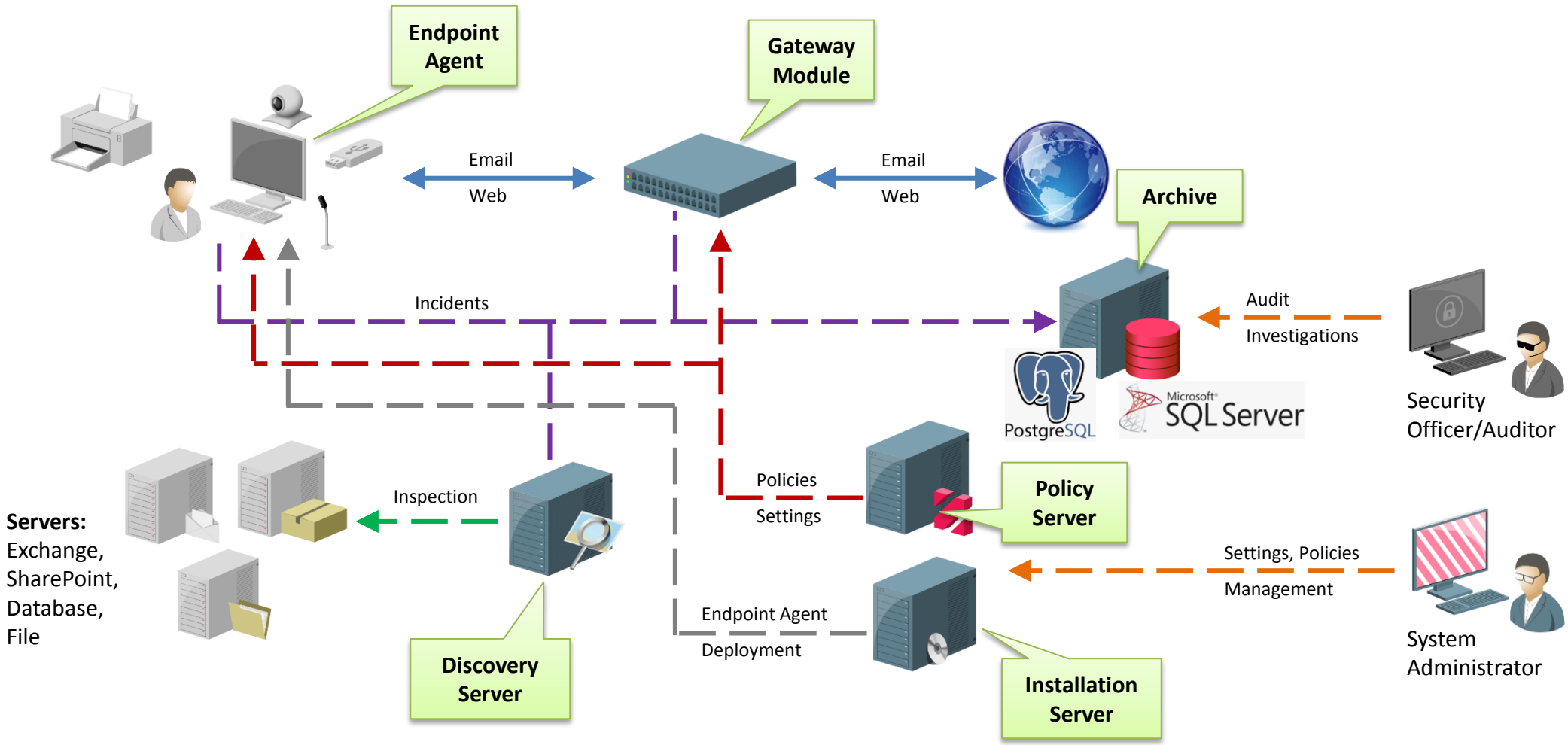
# ZECURION DLP DETAILS

# DLP Architecture

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# Data Classification Engine

- Keywords and dictionaries
- Templates
- Regular expressions
- Digital fingerprints


- Machine learning: Bayes
- Machine learning: SVM
- AI-based image templates
- OCR

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# Zecurion Traffic Control

- Total control of internet channels: SMTP email, webmail, social networks, messengers, cloud etc.
- Support of messengers: Skype, MS Teams, Viber, WhatsApp and Telegram, MS Lync
- Analysis of SSL-encrypted traffic both on endpoint and gateway levels
- Support of modern cloud services such as Office 365 and Google Docs
- Integration with Check Point, Cisco over ICAP protocol







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# Zecurion Device Control

- Content-based policies and data classification
- Granular access control for peripheral devices
- Shadow copy of files being written to external drive or printed
- Encryption of copied files on removable media drives
- Centralized deployment and management
- Grant device access by email or phone request
- Fully autonomous mode for policies implementation
- **Advanced channels: keyboard, clipboard, screenshots etc.**
- Company-wide device catalog for easy policy creation

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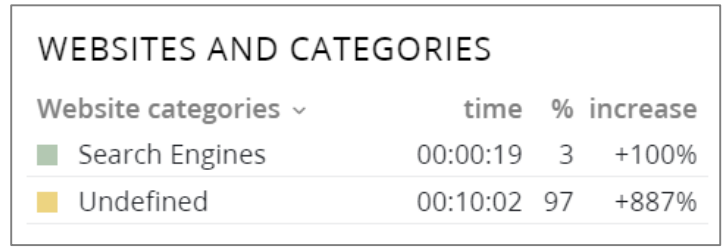
# Zecurion Discovery Crawler

- Detect improperly stored sensitive data
- Scan of all possible data storage locations:
  - Local HDD/network share folder drives
  - MS Exchange and SharePoint
  - Database instances
- Flexible scan parameters – daily/weekly/monthly for selected computers/OUs
- Real-time discovery – scan file on close
- File flow tracking inside the LAN network
- **Violated files removal from workstations HDDs**

# Zecurion Staff Control

- Employees discipline supervision, both in office and in remote environment
- Workplace monitoring: logon/logoff, websites and application usage, activity
- Websites and application categories
- Discipline reports: late arrivals, early leaving, breaks, time at work, overtime work
- Overall productivity index
- Timesheets

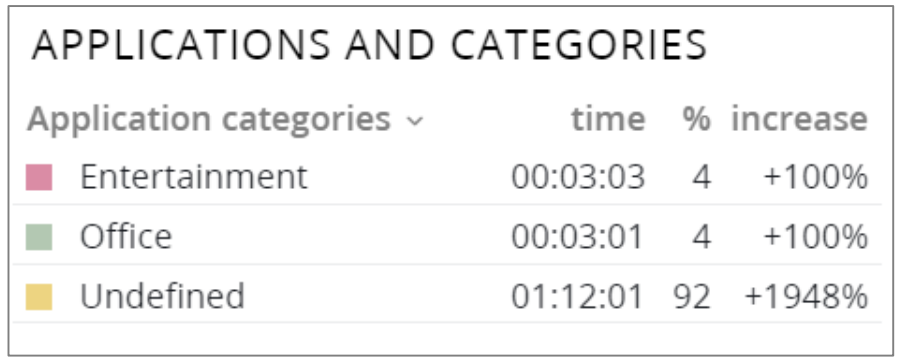


WEBSITES AND CATEGORIES

| Website categories | time | % | increase |
|---|---|---|---|
| Search Engines | 00:00:19 | 3 | +100% |
| Undefined | 00:10:02 | 97 | +887% |

DISCIPLINE

| date | Arrival to work | | Departure from work | | Time at work | |
|---|---|---|---|---|---|---|
| 15.09 | 10:57 | +57min | 17:00 | -1hr | 6:03 | -1hr 57min |
| 13.09 | 11:32 | +1hr 32min | 16:46 | -1hr 13min | 5:14 | -2hr 46min |
| 10.09 | 10:00 | | 13:16 | -4hr 43min | 3:16 | -4hr 44min |
| 09.09 | 13:04 | +3hr 4min | 15:17 | -2hr 42min | 2:13 | -5hr 47min |
| 06.09 | 09:58 | -2min | 10:09 | -7hr 50min | 00:11 | -7hr 49min |
| 03.09 | 00:00 | -10hr | 18:00 | | 18:00 | +10hr |
| 02.09 | 00:00 | -10hr | 00:00 | +6hr | 24:00 | +16hr |



APPLICATIONS AND CATEGORIES

| Application categories | time | % | increase |
|---|---|---|---|
| Entertainment | 00:03:03 | 4 | +100% |
| Office | 00:03:01 | 4 | +100% |
| Undefined | 01:12:01 | 92 | +1948% |

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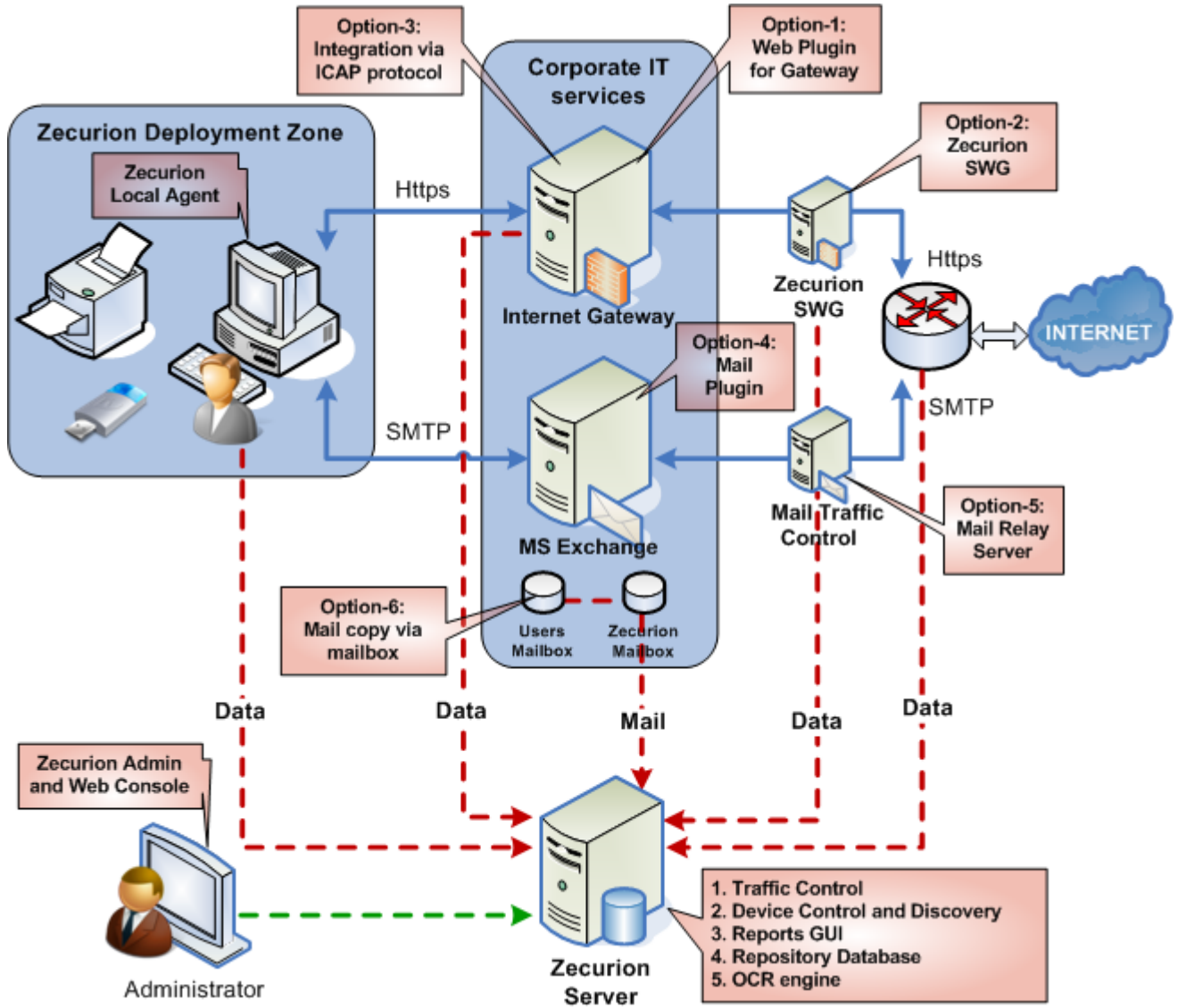
# How to deploy

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# Key tech aspects of Zecurion DLP

- Controlling all possible data leak channels on gateways and endpoints
- File content extraction and data classification tools onboard
- Full archive for investigation with retrospective analysis and data mining
- Unified Policy Server with omni-channel policies
- Single web console with customizable dashboard
- Powerful reports builder and IRP engine
- 13 deployment options: fits any IT infrastructure
- Integration: TITUS, SIEM, REST API

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