

```
>the_kernel
```



Our goal as a cyber  
security solutions provider  
is a safer digital world

Constant evolution with emerging technologies.







## >the\_kernel

Cyber security experts. Distribution specialists. The Kernel is both. We focus on establishing trust; with our clients and our partners. We build trust with our clients by providing security solutions in authentication, authorization, identity management, PKI, and cryptography.

We build trust with our partners by adopting emerging technologies, growing key markets, and committing to long-term support and collaboration. A protected society, a thriving community. That's what The Kernel is about.

30+

Years of  
experience

15+

Products

3

Offices around  
the world

78+

PARTNERS  
ACROSS MENA  
& Africa





# Services

Every organization's security challenges are unique. We know where to start, and we know how to adapt our range of cybersecurity services and solutions. It's expertise in cyber security Dubai you can rely on to ensure your organization is secure.



## Strong Authentication

Verify the identity of a user or device that is intrinsically stringent enough to ensure the security of the system it protects by withstanding any attacks it is likely to encounter.

## Public Key Infrastructure

A system and infrastructure to secure data, user and device identities and ensure the integrity of the data has remained intact and is authentic.

## Identity Management

Full authorization control.

## Cloud Security

Framework of solutions to safeguard cloud-based data and infrastructure.





# Strong Authentication

## Impenetrable gatekeeping

Verify the identity of a user or device that is intrinsically stringent enough to ensure the security of the system it protects by withstanding any attacks it is likely to encounter.

### What is Strong Authentication

Strong Authentication combines 2 or more methods of authenticating your identity.

#### Something You Know (knowledge factor)

Personal information that only the user knows such as passwords, PINs, security questions, etc.

#### Something You Have (Possession Factor)

Robust automatic data encryption both in transit and at rest.

#### Something You Are (Inherence Factor)

Monitoring of security infrastructure such as user activity to assess security status.

## Why you need Strong Authentication?

At its core, IAM helps your organization ensure:



**01.**

Increased security for identity and access



**02.**

Reliable, high-success solution



**03.**

Regulatory compliance



# Public Key Infrastructure

**One message. Two keys.  
Infinite trust.**

A system and infrastructure to secure data, user and device identities and ensure the integrity of the data has remained intact and is authentic.

## What is Public Key Infrastructure ?

Strong Authentication combines 2 or more methods of authenticating your identity.

### **Certificate Authority (CA)**

This component acts as the issuer and signee of the digital certificates, and is trusted by all other entities.

### **Registration Authority (RA)**

This is where the identity of the owners' digital certificates are registered and cross-checked before it is issued by the CA.

### **Validation Authority (VA)**

This component confirms that a certificate is still valid and has not been revoked.

## Why you need PKI?

At its core, PKI helps your organization ensure:



**01.**

The establishment of trust, internally and externally



**02.**

Smooth transfer of data



**03.**

Correct authorization of individuals



**04.**

Increased data and identity security at a large scale, with potential to be further scaled up





# Identity Management

## Digital Identity and Access Management Solutions

Full authorization control is guaranteed with our digital identity and access management solutions. As a business, you can now easily manage employee roles and permissions to allow or deny access to corporate data and resources.

### What is Digital Identity and Access Management

AM is a 2-part authentication solution. Identity management: confirms who you are, while access management: grants you the appropriate level of access.

#### Single Sign-On

One set of credentials for all access areas

#### Multi-Factor Authentication (MFA)

Multi-layered process for increased filtration and security

#### User lifecycle management Identity and access

management tools to quickly appropriate access to users based on job functions.

#### Reporting

Easy generation of reports and logs to assess future risks as well as ensure compliance.

## Why do you need IAM and identity and access management tools?

At its core, IAM helps your organization ensure:



**01.**

Only authorized individuals have access to authorized data



**02.**

A more vigorous defence against data breaches



**03.**

Better compliance with security standards and regulations



**04.**

Better productivity through automation



**05.**

An environment for information sharing and greater collaboration



# Cloud Security

**Higher protection & increased flexibility**

Cloud security is a crucial framework that aims to protect sensitive data and infrastructure stored in the cloud. As businesses increasingly move their operations to the cloud, there is a greater need to secure cloud-based systems against cyber threats and attacks

## What is Cloud Security?

An effective cloud security framework includes:

### Authentication controls

Seek or prevent unauthorized access and automate privilege management.

### Data encryption

Robust automatic data encryption both in transit and at rest.

### Centralized visibility

Monitoring of security infrastructure such as user activity to assess security status.

### Threat Management

Allows for quick proactive risk mitigation or implement reactionary measures.

### Seamless integration

Integrate with existing security protocols to ensure a smooth operational process.

## Why you need Cloud Security?



**01.**

Enterprise-level security via superior security infrastructure



**02.**

Better scalability and quicker deployment time



**03.**

Lower upfront costs



**04.**

Consistent updates and patches



**05.**

Efficient replication of data



**06.**

Ease of integration





# Product Partners

Every organization's security challenges are unique. However, as experts in cyber security UAE, we know where to start and how to adapt.

**It's expertise you can rely on to ensure your organization is secure.**



## **1Password**

Easily secure passwords, passkeys, and sensitive information.



## **Energy Logserver**

An effective solution for collecting and analyzing logs regardless of the scale.



## **Fudo Security**

Protect your network against privileged data breaches and misuse and prevent access abuse



## **Gluu**

On-premise and cloud-based scalable digital identity platform.



## **IS Decisions**

Access security solutions for windows active directory & cloud environments



## **PointSharp**

Certificate management and integrated MFA for desktop and mobile.



## **Elcomsoft**

Award-winning password recovery products



## **Yubico**

The perfect combination of hardware security, open standards, and software.



## 3 world-class components

powerful feature at your command

### Log management plan

An effective solution for collecting and analyzing logs regardless of the scale. Unlimited uses in any organization

### SIEM plan

A modern approach to a SIEM class solution. No limitation of the analyzed data and full control over data security in the organization.

### Network probe

High-performance probe for network traffic copy and netflow analysis. Precise information on the quality and security of the network while maintaining a simple configuration.

### Log management

Centralize the collection of data based on elasticsearch.

### Security analysis

See problems, not their consequences.

### Network analysis

Understand flow of you network

### Compliance

Be comply with requirements

### Infrastructure

See the heart of your IT, feel it beating.

### Cloud monitoring

Keep your cloud under control



## Next-level Hyperautomation

Energy SOAR is advanced, business-driven solution, that allows the organizations to rapidly identify, investigate and automate as many business and IT processes as possible.

Its hyperautomation involves the orchestrated use of multiple technologies, tools or platform

### Threat Analysis

Energy SOAR transforms the security operations with automated workflows for any security use case and orchestrate the incident response across all security areas.

### Custom Integration

System offers dedicated integrations for dozens of existing IT solutions. Moreover, Energy SOAR is exceptionally flexible and can easily adopt to any of the technologies you are using.

### Improved Efficiency

Boost your existing SIEM solution and enable your SOC team to realize greater efficiencies. By automating repetitive tasks lets analysts to Focus on the decision making part.

### Decrease your time to response and remediation

Our Security Orchestration, Automation, and Response (SOAR) Platform provides a central location to integrate not only your security tools, but all of your security processes.





## Secure Your Infrastructure

Protect your network against privileged data breaches, intentional or unintentional misuse, and prevent access rights abuse.

## Mitigate Risk & Enable Digital Transformation

Fudo Enterprise helps protect what's most important to you: your key data. With dangers and threats all around from stolen identities and passwords, the time of trust has passed. Fudo is able to secure and manage access in a comprehensive and holistic way.

**With our array of products, you can rely on Fudo to manage, monitor, and secure access, no matter where. Fudo ensures your organization is protected so it can grow and thrive in the digital age**

### Privileged Session Monitoring

Enable user session monitoring and allow visibility within your workforce. Identify source incidents and increase your incident response!

### Efficiency Analyzer

Manage and report users' actions with precise activity and ideal time information. With session analysis feedback, you can identify sessions, users, and third-party contractors' activity parameters!

### Secret Manager

Automatically manage login credentials on your monitored servers while periodically changing passwords for your personalized time intervals!



## Secure Remote Access

Facilitate secure remote access and establish a connection with the remote servers. Fudo provides a centralized management system to secure remote access connections for your employees, users, administrators, and 3rd party contractors.

## Privileged Access Management

Fudo systems establish and greatly enforce privilege management policies. Fudo Implementations provides control of access to resources, implement password vaults, provide efficiency reports based on user analytics, and monitor and audit all activity with live threat assessment thanks to AI/Machine Learning algorithms scanning user actions in the background.



## Gluu Identity and Access Management

Whether you need to connect legacy data sources, create particular audit logs, implement advanced authentication workflows, interact with end-users to get consent, add unique data into OAuth access tokens, or a myriad of other special requirements

### Improve your security and empower your users

Building your identity service takes work. But with a Gluu support subscription, we can make sure your deployment and operations are successful.

#### Single Sign-On (SSO)

Turnkey and custom systems to implement an organization and platform-wide authentication protocol.

#### Strong Authentication

Turnkey and custom systems to implement an organization and platform-wide authentication protocol.

#### Access Management

Turnkey and custom systems to implement an organization and platform-wide authentication protocol.

#### Identity Management

Turnkey and custom systems to implement an organization and platform-wide authentication protocol.

#### Directory Integration

Turnkey and custom systems to implement an organization and platform-wide authentication protocol.

#### Fast Deployment

Turnkey and custom systems to implement an organization and platform-wide authentication protocol.

## Scale

Very large deployments where control of scalability is critical. With Gluu's cloud-native distribution, you can scale out by adding more servers—automatically on the fly. No matter what your performance requirements are, the Gluu Server can handle it. Gluu is the only identity platform that can take advantage of Couchbase's next-generation persistence capabilities

## Privacy

Multi-tenant cloud-hosted identity services mix your personal data in a shared database with lots of other customers. It also means that secrets, like user passwords and client credentials, are stored in the cloud. By self-hosting a Gluu Server, you know where your personal data resides. Also, use the UMA protocol to interact with end-users after authentication to gather consent before sharing PII with third parties. This can help your organization comply with GDPR.

## Control

The Gluu Server is very flexible. You can add custom code to integrate backend systems at many points in the authentication and authorization workflow. We don't waste your time with a fancy workflow GUI. We define many interfaces, and let you write a little bit of Python or Java code to implement the exact logic you need to get the job done. Plus, Gluu is based on open-source code. You'll never again be stuck waiting for a vendor to ship some critical new feature.

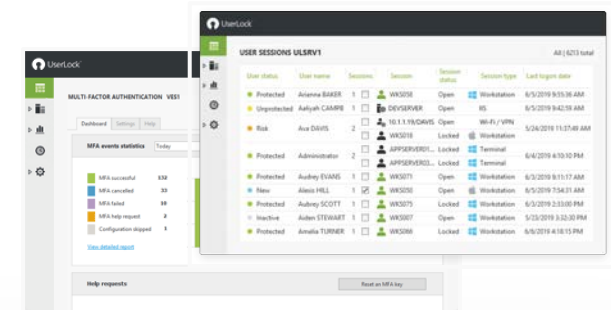




# IS Decisions®

## Stop unauthorized & unwanted access

Access security solutions for windows active directory & cloud environments



### Secure Access for Active Directory Identities, Anywhere.

With MFA, SSO and session management, UserLock can protect all employee access to corporate networks and cloud applications, whether on-site or remote..

#### Two Factor Authentication

Enable customized, two-factor authentication (2FA) on Windows logon, Remote Desktop (RDP & RD Gateway), IIS, VPN and Cloud Applications.

#### Single Sign-On

Secure and frictionless access to Microsoft 365 and Cloud applications using only your AD credentials, from anywhere.

#### Contextual Access Management

Set rules to authorize, deny or limit any login (including remote access), based on contextual factors, such as origin, time, session type and Simultaneous connections

## Monitor, Alert & Respond to Login Behavior

Get real time visibility and insights into all user access. Interact and respond to any session, directly from the console.

## User Login Reporting

A centralized hub to produce and audit reports on all Active Directory user login events and attempts. Meet regulatory compliance standards, support forensics and track down threats.



# IS Decisions®

## Stop unauthorized & unwanted access

Access security solutions for windows active directory & cloud environments



### File Auditing for Windows Server & Cloud Storage

Proactively track, audit, report, alert on and respond to, all access to files and folders on Windows Servers and in the cloud.

#### File and Folder Monitoring

Monitor, in real time, access to sensitive files stored on both Windows Servers and in the cloud. Powerful filtering helps you find the answers you need quickly; tracking IP address and machine name pinpoints the exact access.

#### Alerts and Automated Response

Set up email alerts and a triggered response for access events (access denied - file deletion - a specific user, machine or IP address - time of access) and mass access events such as the copy, deletion or movement of bulk files.

#### File and Folder Access Auditing

Review a searchable, secure and always-available audit trail. Analyze the access to and usage of files stored both on-premises and in the cloud. Schedule centralized reports according to multiple criteria.

## NTFS Permissions Reporting

Facilitate secure remote access and establish a connection with the remote servers. Fudo provides a centralized management system to secure remote access connections for your employees, users, administrators, and 3rd party contractors.

## Cloud Data Monitoring

In the era of the cloud, it is critical to achieve the same level of visibility into the access and usage of cloud data, that you can get with on-premise data. FileAudit makes it easy to monitor access to files stored on Microsoft OneDrive for Business, SharePoint Online, Google Drive, Dropbox Business and Box.



## Secure digital identities and access in a way that suits your infrastructure.

Pointsharp delivers cybersecurity software and services that support even the highest security and regulatory demands of large enterprise organizations and governmental institutions. Pointsharp customers are spread across the world. Often in markets requiring extra high levels of security, like the financial, governmental, industrial, and defense sectors.

### Pointsharp Enterprise

Pointsharp Enterprise includes the Pointsharp MFA platform and adds more enterprise functionality. Authentication Gateway Single Sign-On Password Reset

### Security analysis

Simplify administration with this powerful lifecycle management tool for all your tokens, certificates and more. Custom workflows Self-service Decentralize management

### Network analysis

Cryptshare is a solution for secure file sharing and advanced email security. Read more on the dedicated website below. Secure file sharing High security email Outlook integration

### Compliance

A user focused multi-factor authentication software installed and run in your own infrastructure. Smart Login App Self-Service Easy user enrollment

### Infrastructure

A versatile, out-of-band, certificate-based mobile authentication and signing solution. Broad client support Easy implementation User in focus

### Cloud monitoring

A high security and versatile PKI middleware that support most OS and tokens for a great user experience. Secure your devices Single Sign-On Signing & encryption



## Pointsharp Secure Cloud

A unique cloud service we've built to deliver our products with the same level of security, or even better, as if you run them in your own infrastructure.

### Skip the complicated part

Setting up a PKI infrastructure is complicated and expensive. Not anymore, as we solve that for you. The fast and easy way to secure all your devices and critical applications with multi-factor authentication.

### A complete package

You get everything you need to deploy certificate-based security in your organization in one package. Login software for all devices, a mobile solution and a powerful lifecycle management tool.

### Highest level of security

This unique service gives you access to the same level of security used by everyone from nuclear power plants to defense contractors. But without the upfront cost and hassle.





## Get Forensic Access to Protected Data at a blazing speed

With cutting-edge hardware acceleration technologies, Elcomsoft's products are the fastest on the market when using consumer-grade gaming video cards for accelerating the recovery.

### Get Forensic Access to Protected Data

ElcomSoft offers a comprehensive range of tools for unlocking access to many types of data, recovering passwords and decrypting encrypted files and volumes. The company's range of mobile forensic products enable forensically sound extraction of evidence from a wide range of smartphones and cloud services.

### Get Forensic Access to Protected Data

Elcomsoft provides desktop and mobile forensic tools to government, military, and law enforcement customers. Their tools are forensically sound, easy to use with no special training required, and produce evidence that is admissible in court. They also offer expert-level support and concise maintenance and update policies, making their products a solid investment.

### Get Forensic Access to Protected Data

Elcomsoft offers IT security and data extraction solutions to regain control over locked, encrypted or password-protected data, perform security audits, and extract information from mobile devices. Their products are affordable and use cutting-edge technology for high performance. They require no steep learning curve and are suitable for both continuous and one-off use.

### Get Forensic Access to Protected Data

Elcomsoft offers password recovery tools for computers and mobile devices, enabling users to unlock valuable information that has been protected with lost or forgotten passwords. Their products can help recover passwords and regain access to locked-out accounts in popular operating systems, applications, and services. Elcomsoft's tools utilize cutting-edge hardware acceleration technologies, making them the fastest on the market when using consumer-grade gaming video cards for recovery.

## Mobile Forensic Bundle

The complete mobile forensic kit in a single pack. Perform physical, logical and over-the-air acquisition of smartphones and tablets, break mobile backup passwords and decrypt encrypted backups, view and analyze information stored in mobile devices

Physical, logical and over-the-air acquisition tools in a single kit

Full over-the-air acquisition of Google Accounts

No other third-party alternatives exist for physical acquisition of iPhone 4S to 6S Plus

PC and macOS versions of mobile acquisition tools are included

GPU acceleration: patented technology reduces password recovery time by a factor of 50 (up to; click to see comparison chart)

iCloud acquisition possible without Apple ID password by using binary authentication tokens (includes token extraction tools for PC and Mac)

iCloud acquisition supports two-factor authentication, offers 2FA bypass if using binary authentication tokens

Used and trusted by most of the Fortune 500 corporations, multiple branches of the military all over the world, foreign governments, law enforcement organizations and all major accounting firms



## Plug & Play authentication and cyber security hardware

The only authentication technology that has been proven to stop account takeovers at scale. Loved by the world's largest brands and millions of users.



Yubico, a cyber security company founded in Sweden, pioneered the use of USB and NFC-based authentication keys. Manufactured in Sweden and USA, these keys are extremely portable; you simply insert and 'touch' the keys to verify your identity.

**Their product range includes the YubiKey 5 Series, the Security Key Series and YubiHSM 2.**

## YubiEnterprise Subscription

Flexible licensing approach to obtain industry-leading and trusted YubiKey hardware authentication, providing great flexibility and complete peace of mind. The only authentication technology that has been proven to stop account takeovers at scale.

Your business and employees are constantly evolving, from new hires and employee turnover, to remote and hybrid work environments, and support for new infrastructure needs.

And with users working across desktop, mobile, shared workstations, and using the latest devices and modern authentication, you need maximum flexibility in choosing YubiKey form factors based on device type and user preferences.

### Meet user preference

Select any YubiKey in a subscription tier and enable security on all the devices users love.

### Lower cost to entry

Leading authentication for less than the price of a cup of coffee per month per user, and easily upgrade to the latest YubiKeys.

### Predictable spend

Leverage OPEX vs. CAPEX to ensure security is covered as needs evolve.

### Premium support

The warranty and technical support over the entire term duration delivers complete peace of mind.

# >the\_kernel

## We're ready to assist you.

If you'd like to learn more about our products and solutions, please fill in the form and we will get in touch with you.



### United Arab Emirates

+971 4 7017 260  
2216, Churchill Tower, Business Bay, Dubai.  
hello@thekernel.com



### South Africa

+27 11 463 1933  
3A De La Rey Road, Rivonia, Johannesburg  
info@kernelafrica.com



### Ukraine

+38 (044) 35 81 888/999  
01001, Київ, вул. Михайла  
Грушевського 10, офіс №212  
info@thekernel.com.ua