

## **ACCESS42** | Secure, Easy and Fast Remote Access experience!



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**H**yper connected world demands, that the enterprise workforce is no longer confined to physical boundaries. Enterprise's ability to have its workforce digitally connected from across the world provides that crucial edge.

**ACCESS42** is engineered to provide a fast, scalable, easy and secure access to enterprise applications and other resources.

Powered by Fortytwo Labs' Indigenous Patented Military Grade identity-based cryptography.

# ACCESS42

The mantra for enhanced productivity is to be able to provide **right access to the enterprise digital assets to right persons at all times!**

## The essentials in the “New Normal” !



### Seamless Application Access

Workforce should be able to access the applications, digital assets with ease.



### Access Control

Fine grained access control is the need of an hour, enterprises should be able to control and monitor the access without additional overhead.



### Security and Compliance

Highest grade security not only to the workforce but also to the assets being accessed.



### No Hindrance

Should not pose any hindrance to the normal business operations even during provisioning or operations.



### Reduce Surface Area

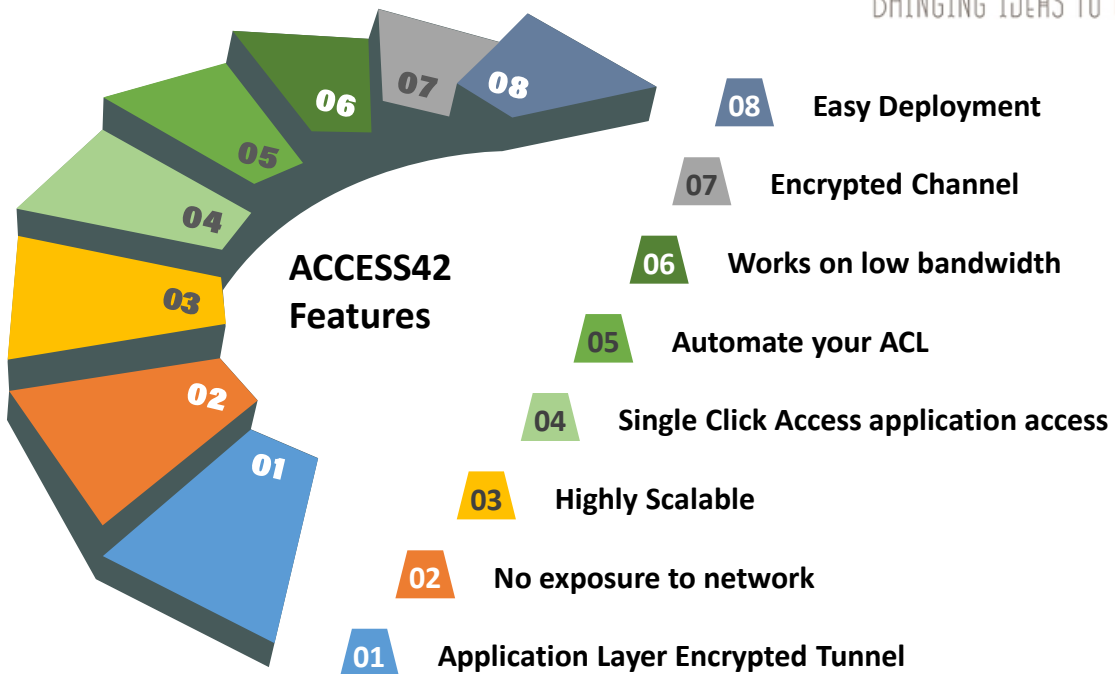
Reduce the risk of exposure of the digital assets to the outside world and should be only accessible to right person.



### Deployment in days

The deployment or enabling remote users should be matter of days and not weeks.

**Fortytwo Lab’s ACCESS42** - the innovative and secure remote application access solution, enables you to provide fast, seamless, secure and easy remote access to applications at scale irrespective of location of users or applications.



## The ACCESS42 Advantage

1. **Application Layer Encrypted Tunnel** – ACCESS42's innovative technology creates an application layer encrypted tunnel between the application and user's computing device.
2. **No Exposure to the network** – ACCESS42 exposes only the applications that are allowed for the user. Compare with other remote access solutions, where the entire network is exposed and then overlay of access control.
3. **Highly Scalable** – The application layer tunnelling technology ensures that overheads are minimal, this makes it scalable to thousands of end points.
4. **Single Click Application Access** – Users do not have to worry about remembering the URLs etc. It is as simple as point, click and access.
5. **Automate your ACL** – ACCESS42 comes with ready to use RESTful APIs which can be consumed by your ACL / Policy server to do automated ACL, resulting into reduction of administrative overheads.
6. **Works on low bandwidth** – ACCESS42 works seamlessly on low bandwidth.
7. **Encrypted Channel** – The entire access channel is encrypted using military grade security so less worry on network attacks.
8. **Easy Deployment** – With ACCESS42 the deployment is a breeze and without disrupting your existing business.

**Fortytwo Labs ACCESS42** is built on top of patented cryptographic services and identity platform  $\pi$ -Control™. Enterprises can avail other services such as Multifactor Authentication, eSigning, Consent etc. out of the box.



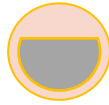
# ACCESS42

**How it works? – A simple and fast 3 step process**



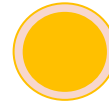
## Self Service Onboarding

- ✓ User downloads the ACCESS42 client on her machine
- ✓ User performs self service onboarding



## Admin Grants Access

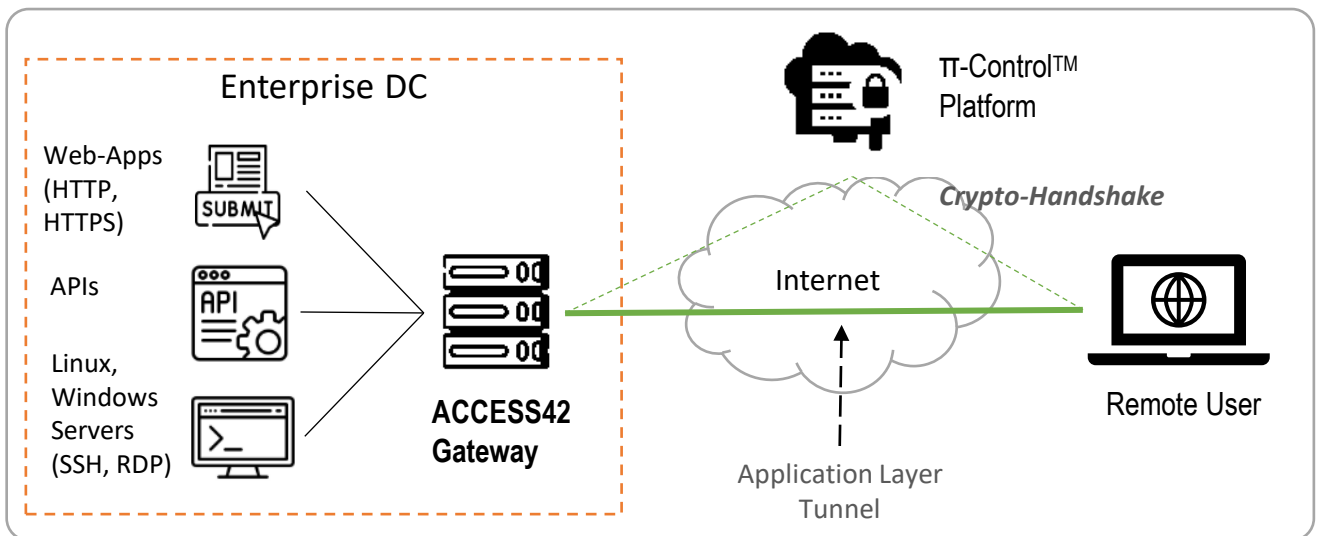
- ✓ Administrator set's the ACL - list of application allowed
- ✓ Maker checker work flow enables greater accountability.



## User Starts Secure Remote Access

- ✓ Applications / Servers instantly become visible to the user.
- ✓ User can click on any resources to start work normally.

## Simple Setup - High Level Deployment Architecture



### The setup would include -

1. Deployment of ACCESS42 gateway in the enterprise data centre (Gateway could be setup on Linux machine/ VM).
2. Making relevant network changes to allow applications to talk to the gateway server/(s).
3. Making necessary configurations/ ACLs in the administrative panel of gateway server and enterprise is ready to rollout.

**Do get in touch for a Demo !**

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Ensure that your endpoint is secure and compliant with Advanced End Point Detection and Response (EDPR)



## Patch Management

- Automated Policy based Deployment
- OS and 3<sup>rd</sup> Party Applications
- Contextual Patching
- Compliance and Review

## Application Whitelisting

- Reputation Analysis
- Dynamic Whitelisting
- Centralized Repository
- Application Control

## Device Control

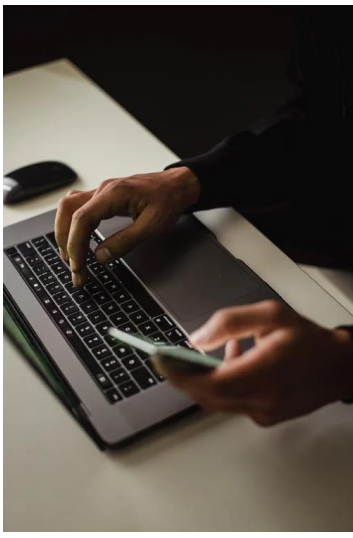
- Visibility of Rogue Devices
- Block Unauthorized Access
- Block Malware and Infections

## EDR

- Artificial Intelligence/ Machine Learning
- Behavior, Reputation based Protection
- Signature and Heuristic Detection
- Process Scanning
- Emulator/ Sandbox

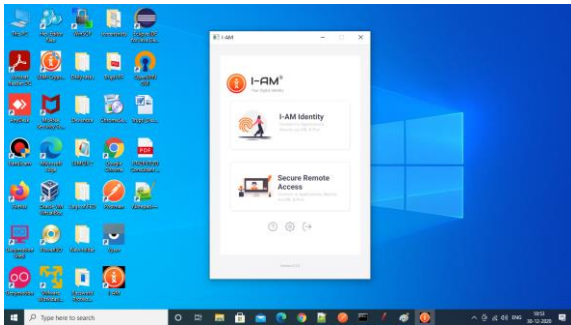
## VCM

- Self updates for latest Vulnerability
- Risk Prioritization based on Assets
- Compliance and Reporting



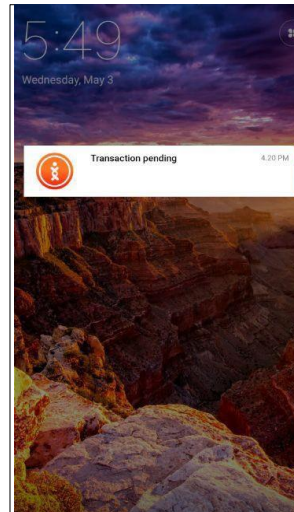
**Simple user experience & highly secure access** via creation of application level tunnel between resource and computing device.

## Simple User Experience!



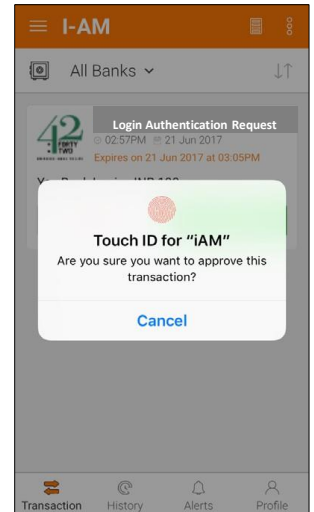
### Step 1

Login to the I-AM<sup>®</sup> Desktop App



### Step 2

User authorises the Login-Transaction on her I-AM<sup>®</sup> Mobile App and gets access to the respective resource



**ACCESS42 has inbuilt multifactor authentication feature which makes the solution secure and compliant.**

Gartner predicts that by 2023, 60% of enterprises will phase out most of their VPNs in favor of zero trust network access, which can take the form of a gateway or broker that authenticates both device and user before allowing role-based, context-aware access.

Gartner

**FORTYTWO**  
BRINGING IDEAS TO LIFE

**ACCESS42**



With VPN its all or none – third party access especially becomes tricky since one gets access to entire network.



Security issues – history has shown that VPNs are exploited by the attackers to gain access to the network.



End Point Security Concerns – Since VPN provides the network access end point security becomes a prime concern.



Audit Trail – Typically VPNs have very little or no audit trails which can come extremely handy in fixing the accountability.



Bandwidth Consumption – All the traffic goes through the corporate network even if user is browsing the web.



Support and Operations cost – Typically VPNs are bundled with various packs and for managing the remote device add on such as multifactor authentication etc. are needed. From managing the access control administrators have to sweat it out.

**ACCESS42 is built on  $\pi$ -Control™, a cryptographic platform is an elegant, easy to use, highly secure and scalable choice for remote access!**

*Genesis of the platform was at a defense establishment where the problem was about building indigenous cryptographic platform such that the target application can secure itself against variety of attack vectors. We are proud to state that it has passed several stringent tests at Ministry of Defense (MoD), Ministry of Electronics and Information Technology (MEITY), a DRDO lab, IIT Chennai and most importantly R. C. Bose institute of cryptography which is one of the premier recognized institute of cryptography in the world. FortyTwo Labs solution was also recognized by the National Center of Excellence (NCoE) for Cybersecurity.*

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