TheGRID™ Beacon Multi-Factor Authentication

The Most Revolutionary Online Security For Your Web Portal

Smart Authentication | Out-of-Band | Transaction Approval

FEATURES

Secure ON-OFF access control - User's registered smartphone becomes the "Remote Control" to allow or deny access to user's login account. Fraudsters cannot login using stolen ID and password. GRID Beacon status must be switched to "ON" to login successfully. Automatic "OFF" feature for enhanced security.

Secure transaction approval - User's registered phone is used for authorizing transactions. User can review the transaction data on the phone before authorizing it. Fraudsters' transaction attempt will not succeed without user's phone authorization.

Simple ON-OFF switch to lock/unlock website login

Approve and reject transaction requests with a push of a button

BENEFITS

Strong security - Defeats identity attacks like phishing, DNS pharming, Man-in-the-Middle and advanced Man-in-the-Browser.

Easy phone registration - User's phone is used for additional security to complement ID & password. Simply scan the QR code shown on screen by TheGRID Server to register.

Ease of deployment - Minimal integration with merchant's existing web application. Cloud service available. No provisioning of additional hardware.

Low cost of ownership - No physical tokens or hardware to distribute to end-users. Cloud service option with no costly infrastructure setup, low maintenance and easily increase capacity as you go.

Value added features - Send service and marketing information direct to users via push notifications. Beacon can be integrated into many different applications including parental control, transaction signing and many other types of authentication and authorization control.

OVERVIEW

The typical approach for an online identity is by requesting the user to supply the user's login ID and a secret password supposedly only known to the user and the website. The rampant identity theft activities have made the traditional password authentication inadequate. Providing a secure and effective authentication & authorization has proven difficult and often cumbersome.

TheGRID Beacon is a new breakthrough implementation of a simple yet secure authentication & authorization system for Internet applications. By leveraging the growing adoption of smartphones, TheGRID Beacon mobile application and its supporting backend components effectively transforms a smartphone into a powerful platform for an <u>out-of-band</u>, second-factor <u>authentication & authorization</u> device.

Available on the App Store   Google play
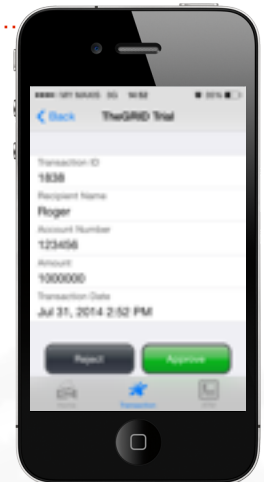
Unlike traditional cumbersome hardware security tokens, there is no need to enter any random digits to authenticate. TheGRID Beacon provides a simple ON-OFF switch that puts the user in control.

ABOUT E-LOCK

e-Lock is an information security solution and service provider founded in 1996. Headquartered in Kuala Lumpur with office in Tokyo, e-Lock is a member company of the Permodalan Nasional Berhad (PNB) Group, Malaysia's leading investment institution. e-Lock is also a member company of UMW Holdings Berhad, a large conglomerate with global interests in the automotive, equipment, manufacturing and engineering, and oil and gas industries. The company's flagship products include WebALARM, a data integrity monitoring and recovery solution and TheGRID, a smart two-factor authentication solution. Today, the company has strong market presence in Japan, Taiwan and South East Asia and its partners and distributors in Japan include Hitachi Systems, Softbank BB & Networld. Presently, the company is actively developing its business in the United States. More information is available at www.elock.com.my.

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The Digital Security Company

CASE STUDIES

I. One of Japan's largest internet banks implemented TheGRID Beacon as Japan internet banking's first smartphone-based authentication system to provide enhanced transaction approvals for its users. Leveraging the two major smartphone platforms; Apple iOS and Google Android, users are empowered with authorization control and assurance that only valid users can perform sensitive transactions on their account i.e. payment, fund transfer, and profile changes.

II. A country-code top-level domain registrar is implementing TheGRID Beacon to enforce 2-factor authentication for domain administration and change authorization to prevent domain hijacks.

DEPLOYMENT OPTIONS

TheGRID Authentication Server can be deployed on-premise with options for high-availability configurations. For organizations looking at zero hardware investment, subscription to TheGRID Cloud Authentication Service is recommended. Both public and private cloud infrastructure are available.

API documentation, integration guide and sample codes are provided to allow quick integration to your web applications.

BEYOND 2-FACTOR

In environments where additional security in a separate physical form is required to complement a Beacon-enabled second factor smartphone device; an inexpensive, personalized and encrypted QR card can be provisioned for the user as the third factor.
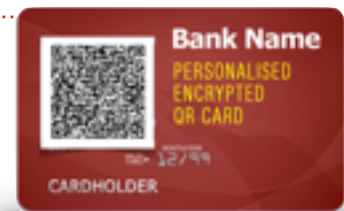
The benefits of using a **QR CARD**
(or a QR sticker which can be affixed onto existing cards):-

• Low provisioning and distribution cost
• Easy to carry and use
• Encrypted content with no risk from card theft
• Option to trigger use for high-value transactions only
• Option for co-branding & theme

TheGRID Beacon
Personal remote control
for your online identity.