

Google Titan security lock is now available for G Suite users

Google has just released detailed information about some notable updates for its enterprise cloud platform.

Google has just published detailed information about some notable updates to its enterprise cloud platform, which specifically emphasizes improving user data security and application.

First of all, Google has expanded the scope of the Advanced Protection Program (APP), which will now include G Suite, Google Cloud Platform (GCP) and customers of the Cloud Identity service.

The central idea of APP is nothing more than improving the user's ability to protect personal Google accounts from specific targeted attacks, using a hardware-based security key. FIDO authentication technology facility such as Google's Security Security Key or Yubico YubiKey.

1. Chrome will support HTTP cache partitioning to prevent malicious attacks and unauthorized tracking



Account authentication security is one of the top concerns on G Suite

Basically, these security keys will help restrict access to user accounts of third-party applications, making them unapproved, and allow scanning of incoming emails to filter any behavior. often, phishing, viruses and attachments with malicious content.

In practical use, individual users operating in the corporate network, especially those with sensitive accounts (containing valuable information), may accidentally click on a malicious link that spreads malicious code on the system, thereby compromising the overall security situation of the entire company, can even lead to a cyber-security disaster, causing heavy damage.

By expanding the scope of APP, Google is seeking to facilitate IT administrators, senior executives and employees working in organizations and businesses in sensitive sectors such as finance and banking. public goods and services, government . have the opportunity to register for APP to benefit from additional security policies.

1. Apple, Google, Microsoft, Facebook and Twitter will join a large-scale shared data project



Titan Security Key - Google's new hardware security lock

To be able to effectively implement this program on a larger scale, Mountain View giant will bring Titan Security Keys to new markets such as Japan, Canada, France and the United Kingdom via Google Store. This marks the first international expansion of hardware security lock systems, which were previously available only in the United States.

The Google security key will take advantage of the FIDO2 standard to provide a second authentication layer for user login information, so when you sign up for this hardware with the online service for the first time, it will create a security key pair: public - private, using asymmetric encryption.

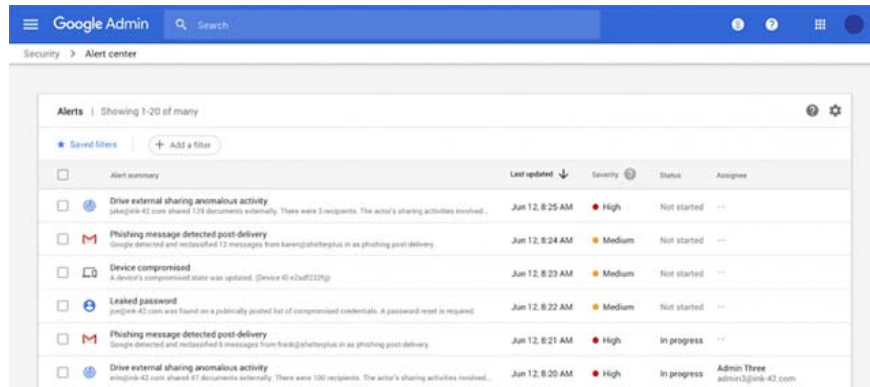
1. Google Chrome 76: Safer mode, improved PWA and some other noticeable changes

In the authentication process - using a PIN or biometric - the user's identity will be verified by encrypting the secret message through the private key and passing it to the online service, then decoding it Public key messages created earlier.

Google has previously expressed concern about security issues with Titan keys, but real tests have shown that they are a safe alternative to receiving authentication codes via SMS. In addition, Google has turned Titan into a multi-platform hardware security lock, allowing your Android phone to act as a security key when logging into your Google account from your iPhone and iPad.

In addition to APP and Titan security lock, also need to mention some other noticeable changes. The first is that Google has begun deploying a G Suite for online security warning center (G Suite Alert) that will be completely tweaked. G Suite Alert is responsible for quickly notifying administrators of any security risks, including violations related to file sharing and password leaks, in real time.

1. Google will launch Fast Share to replace Android Beam and compete with AirDrop



The new G Suite Alert online security center home page has just launched

In addition, Google will also deploy a number of additional support packages for Cloud Identity customer password staking applications. (Old applications require usernames and passwords for authentication).

The new features mentioned above appear exactly when the cloud service market is showing signs of rapid acceleration, in which security and privacy are the top priorities of major service providers, At the same time, it is also two factors that customers are most interested in.

Google's own cloud-based business has now hit \$ 8 billion in annual revenue, and is emerging rapidly as an important growth engine for parent company Inc. Inc.

According to 2019 Cloud Security Report, 2018 Cloud Security Report was implemented by Cybersecurity firm Check Point, acts of accessing the cloud illegally and appropriating the main cloud account 2 of the security issues. The biggest that any platform as well as any cloud service provider is currently facing, emphasizes the need for more robust information authentication mechanisms to protect accounts. users before those sneaky attacks.

1. Microsoft added new security features to OneDrive, folder protection with 2FA

With the explosive growth of non-password forms of authentication, which has become increasingly popular in recent years, it is not surprising that Google invested in IDaaS infrastructure (Identity as a Service), helping to reduce the worries about system security with businesses so that they can more easily focus on their core business activities.

In a post introducing new security features on the Google cloud, product manager Karthik Lakshminarayanan and product manager Vidya Nagarajan concluded that:

'Creating a safe, user-friendly information authentication environment, and maintaining a long-term stability for that environment, is a very important task for organizations operating on a cloud-based basis. These new Google features will be a necessary addition, which enhances the protection and security of the workload on the cloud and the business processes of each business. '

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