

YESsafe AppPortal+

A comprehensive Enterprise Mobile App Security Management Solution that creates a unified security platform to help enterprises to deploy, secure and run their mobile apps and authenticate their users.

With the proliferation of mobile apps in many organizations, their employees depend heavily on companies' mobile apps to perform daily business activities. In order to provide a more efficient approach for companies to manage their mobile applications, YESsafe AppPortal+ has been designed to deliver a number of critical security functions and features to protect mobile Apps and sensitive business information:

User Security Features



Strong Authentication and Authorization

- Leverage 2FA and Biometrics for strong authentication requirements
- Provides contextual adaptive authentication feature to dynamically adjust the authentication process

SSO

Mobile Single Sign On Platform

- SSO using standard OAuth & OpenID Connect protocol
- SSO using user login activity simulation i.e. SSO Login and change password without any source code modifications



Secure Enrollment

Authenticate users with a one-time password and/or with a user's Active Directory/LDAP credentials.



Re-Authentication Capabilities

SSO using standard Policy control for re-authentication before single sign-on to enhance security for sensitive or high risk apps and to avoid unauthorized access by impersonate users.

Application Security Features



Secure Mobile Portal – Common Access Point for Apps on Mobile devices

- Access to native apps and HTML5 apps
- Single Sign-On to apps



Enterprise App Store To Access Authorized Applications

- Official download channel for enterprise apps
- Enterprise app management and user entitlements

SandBox

Sand Box Implementation (applicable for Android)

- Additional level of app data protection
- Applications running outside of the sandbox of AppPortal+ cannot access the data within it



Mobile App Integrity Protection

For Android Apps, AppPortal+ can prevent reverse engineering and tampering via code injection.

YESsafe AppPortal+

Integration SDK & APIs

YESsafe AppPortal+ provides open APIs, to enable developers to leverage the security features of YESsafe AppPortal+. This can greatly reduce their development efforts and enable enterprises to quickly launch secure mobile applications at a faster speed. It not only enhances the user authentication process, it also improves user experience by personalizing configurable application portal, and providing self-service and SSO capabilities.

System Security Features

Environmental Security Scan



Scan the operation system and installed apps to detect any risks on mobile devices.



Policy Control Based on Scanning Results

Based on the scanning results, company can determine the action for launching and limiting the functions of integrated apps.

Additional Security Features

Fast Enrolment and Device Insight



Quickly collect mobile devices and endpoints information individually after the user has successfully enrolled from different devices. View a complete inventory of users' devices via a dashboard, useful for auditing and security oversight.



Data Encryption Protection

Provides a secured environment for enterprises during data transmission:

- Supports International standard encryption Algorithms and China SM standards
- Supports E2EE
- Supports message authentication to ensure data integrity during transmission

Device Fingerprint Technology



Captures information about the mobile device for identification purpose during user enrolment process, leveraging on such information for data encryption and prevention of device and application cloning. It detects the state of the mobile device, e.g. Jail-broken, OS version etc. to determine the appropriate authentication factors.



Contextual Authentication

Provides contextual authentication feature to leverage a wide range of identity-related contextual data (e.g. geographic location, time-of-day and endpoint identity) to elevate the trust of the authentication process and dynamically change the authentication process to verify user identity by various factors gathered from the user during the authentication process.

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