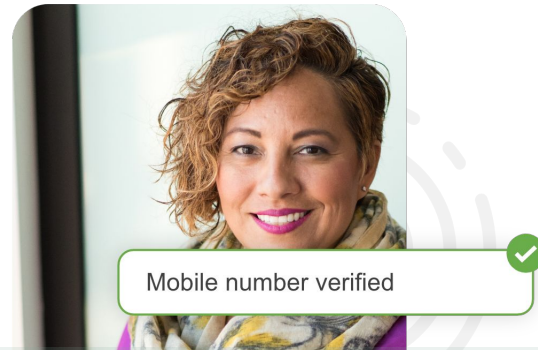


DATASHEET

SIM Binding

Secure remote access delivered through identity-based access controls



A device/authenticator app in the wrong hands can cause financial damage and authorization of unintended transactions. Hackers access user accounts not simply to steal data but to steal money. As customers are increasingly demanding online services, a shift is needed to focus on remote identity proofing and user authentication. These need to be accurate, fast and, most importantly, meet customer expectations to mitigate fraudulent activities.

The 1Kosmos BlockID SIM Binding Advantage

1Kosmos BlockID delivers identity-based passwordless access to any business system to ensure that only authorized individuals access data or applications regardless of where they are based. Our BlockID platform unifies identity proofing and passwordless authentication, including SIM (subscriber identity module) binding capabilities that prevent online fraud. Using a combination of SIM detection and SMS verification, BlockID validates a user's mobile number against the number registered with their financial institution or employer to protect against attacks that attempt to register an unauthorized device/phone number on a customer's account.

The 1Kosmos BlockID Platform ensures that only customers with a registered phone number can pair their device as an authenticator to approve/deny transactions.

The implementation of BlockID's device SIM binding helps reduce fraud, especially in the internet retail banking sector, where vulnerable customers can be duped into allowing unauthorized entities to register the app and take over the account.

SIM binding uses a combination of SIM detection and SMS verification that validates the user's cell phone number against the one that's registered with the financial institution or employer. That way, only a customer using the phone number registered to that account can pair their device to an identity authenticator to conduct any transactions..

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1KOSMOS FEATURES AND BENEFITS

- Use a mobile authenticator that attackers cannot intercept or coerce
- Upon successful validation, the customer is allowed to add a new account with the registered device as an authenticator
- BlockID validates the SIM and phone number by matching the phone number on record with the service provider or employer
- Easy administration through the 1Kosmos BlockID AdminX portal
- Customize the customer-facing content (emails, app, etc) to ensure brand consistency

REASONS TO CONSIDER

- Verify a user's cell phone number
- Bind the user, device and cell phone number
- Detect the age and location of the SIM
- Add an additional layer of customer security at the time of registration

Leverage advanced biometrics to validate user identity and irrefutable SIM verification to prevent SIM swapping attacks

SIM Binding Customer Experience

1Kosmos BlockID SIM binding is achieved during account registration in the 1Kosmos BlockID app. The user will click on an email invite from the institution, which will open the BlockID app. The user is then challenged to verify their phone number.

The BlockID platform uses a combination of SIM detection and SMS verification to validate a user's mobile number against the number registered with their service provider.

SIM Binding Administration

The 1Kosmos customer (bank, payment provider, enterprise, etc.) generates an email in BlockID that contains a link to send to end users. When the recipient (consumer, employee, etc.) clicks on the link, it opens the BlockID app, which initiates a process to detect the presence of a single or dual SIM. The user is then prompted to choose the SIM that is registered with their service provider or employer.

Mobile App and Mobile SDK

The 1Kosmos BlockID mobile app can be white labelled, so you customize the look and feel to fit in with your brand identity and improve the employee or contractor experience.

Alternatively, you can integrate functionality into your existing app or service by implementing our mobile SDK. This approach allows you to eliminate silos created when managing multiple apps and services.

