AccessDroid

Goals

The goal of the access-droid project was to develop an innovative push messaging service for developer-to-mobile communication. The service focuses on Service-Level-Agreement (SLA), end-to-end security and developers’ ease-of-use.

Description

Performance:
• Suitable for applications that heavily rely on push messaging.
• Operator friendly.
• Persistent communication channel over 3G, 4G and Wi-Fi optimized for energy efficiency and lowered modem signaling.

Security model:
• Message signing and encryption.
• Anti-pirating application authentication.
• Innovative obfuscation of private data onboard the device.

Reliability:
• Bounded maximum message delivery time.
• Assure message delivery.
• Prioritize messages.

Ease of use:
• Rich APIs for end-users (sender, receiver and admins) using cutting-edge technologies.
• Convenient default API implementations ready for organizational integration.

Researchers

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